Hunan Province & Its Leading Industries and Enterprises

Hunan Provincial Department of Commerce
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Profile of Hunan Province

I. Profile of Hunan Province

Located in central China and along the middle reaches of the Yangtze River, Hunan Province was given the name Hunan (meaning south of the lake) since it lies to the south of the Dongting Lake. The province is also referred as “Xiang”, the name for its largest river running through the province from north to south. Hibiscus mutabilis, also known as cotton rose, has been widely planted in Hunan since ancient times. Early in the Five Dynasties (about 907-960AD), there was a poem describing the province and referred to it “the Kingdom of Hibiscus”. Hunan is 667 km wide and 774 km long (both figures for the maximum distances). It has a total area of 211,800 square km, accounting for 2.2% of the total territory of China, ranking the 10th in China, and the 1st in Central China. The province has jurisdiction over 13 municipalities, one autonomous prefecture and 122 counties (cities, districts), including 35 districts, 16 county-level cities, 64 counties, and 7 autonomous counties.

With a subtropical monsoon climate, Hunan enjoys beautiful landscape and the volume of its water resources ranks the top among the nine provinces in South China. It boasts a well-developed river
system with four major rivers known as Xiang (one of the seven major tributaries of the Yangtze River), Zi, Yuan and Li running across the entire province. There are altogether 5341 rivers in the province each with more than 5 kilometers long. The total freshwater area is 13,500 square kilometers, with Dongting Lake as the country's second largest freshwater lake.

By the end of 2017, Hunan boasts a permanent population of 68.602 million with a regional GDP of 3,459.06 billion yuan, an increase of 8.0% over the previous year, ranking the ninth in the country, among which, the added value of the primary industry totaled 369 billion yuan, increased by 3.6%; the added value of the secondary industry was 1,414.55 billion yuan, increased by 6.7%; the added value of the tertiary industry was 1,675.51 billion yuan, increased by 10.3%. Calculated on the basis of permanent population, the per capita regional GDP was 50,563 yuans, a 7.4% increase over the previous year.

II. The Main Features

1. Location

**Advantageous geographical location:** Located between latitudes 25° and 30° N, Hunan boarders Jiangxi Province on the east
with the Mufu Mountains and the Wugong Mountains, and Guangdong and Guangxi Province on the south with the Nanling Mountains. It is connected to Guizhou Province and Chongqing City on the west with the eastern end of the Yun Gui Plateau and to Hubei Province on the north with the Binhu Plain. Thus, Hunan is well-positioned to connect eastern coastal areas and the Midwest, as well as the Yangtze River Economic Belt and the coastal regions. It is literally a hub connecting East and West, and North and South.

**Convenient transport:** Hunan boasts a well-developed transport system, with a comprehensive multi-modal network integrating land, air and water transport. By the end of 2017, the mileage of highway in Hunan has reached 239,700 kilometers, of which the mileage of expressway exceeded 6419 kilometers, ranking the fifth in China. Its inland waterway mileage has reached 12,000 kilometers. Hunan has 63 ports and 1865 berths (including 116 1000-tonnage and above berths). The throughput of Yueyang Chenglingji port is over 100 million tons and it has routes to Hong Kong, Macao and Taiwan, and countries like Japan, and South Korea. Railway lines such as Beijing-Guangzhou railway, Hunan-Guangxi railway and Luoyang-Zhanjiang railway run through the province, with a mileage of 4697 kilometers, of which the high-speed rail mileage totals 1396
km, ranking among the top in the country. Besides, Hunan has 2 international airports including Changsha Huanghua International Airport and Zhangjiajie Hehua International Airport and 5 domestic airports including Changde Taohuayuan Airport, Huaihua Zhijiang Airport, Yongzhou Lingling Airport, Hengyang Nanyue Airport and Shaoyang Wugang Airport, providing routes to over 100 large and medium-sized cities at home and abroad directly. Among them, Changsha Huanghua International Airport has been among the ranks of the world's top 100 airports according to passenger throughput, with passenger throughput of more than 23.77 million in 2017, ranking the first in central China.

2. Resources

Mineral resources: With a wide range of rich mineral reserves, Hunan is known as "the land of non-ferrous metals" and "the land of non-metallic minerals". Among the 160-plus known deposits, 144 have been found in Hunan, among which, the reserves of 37 deposits are among the top 5 in China, and the reserves of 62 deposits are among the top 10. The reserves of tungsten, tin, bismuth and antimony rank the first in China, and the reserves of vanadium, barite, aphanitic graphite and ceramsite rank the second in China.
**Biological resources:** As it is home to the subtropical evergreen broad-leaved forest, Hunan enjoys lush and evergreen vegetation. It has 120 forest and wildlife nature reserves, 113 forest parks, and 27 national wetland parks. Its forest coverage rate is 59.68%, much higher than the 31.7% world average and the 21.6% national average. Boasting diverse biological resources, Hunan is a precious biological gene bank for China and the world at large. 18 species under Grade I Protection can be found in Hunan, including South China Tigers, Clouded Leopards, Siberian Cranes, etc. Hunan has more than 5,000 species of seed plants, ranking No.7 in China. Among them, more than 55 species are national key protected wild plants, including metasequoia, Davidia involucrate, Gleditsia vestita, etc., accounting for 17.7% of the national total.

**Tourism resources:** Hunan has numerous scenic spots, and is a popular tourist destination. During the ancient times, Hunan was famous for the “Eight Views of Xiaoxiang” (rain at night, the Descending of Wild Geese onto the Sand Bed, the Evening Bell from Mist-Shrouded Temple, the Mountain Market in the Clearing Mist, the River, the Sky and the Evening Snow, the Sail Returning from the Distant, the Autumn Moon over the Dongting Lake, and the Fishing Village in the Evening Glow). Hunan is home to two UNESCO World
Natural Heritage Sites (Zhangjiajie Wulingyuan Scenic Area and Shaoyang Langshan Mountain Danxia Landform), three national historical and cultural cities including Changsha, Yueyang and Fenghuang, 51 national forest parks and eight 5A scenic areas. Hunan also offers great views including Hengshan Mountain, one of the Five Sacred Mountains for Taoism in China, and Yueyang Tower, one of the three famous towers in southern China. Besides, other attractions are quickly gaining popularity among tourists at home and abroad as well, including Shaoshan, the hometown of Chairman Mao, Dacheng Mountain, a sacred mountain for Buddhists, Yuelu Academy, Fenghuang Ancient Town, and Changde Taohuayuan (Peach Garden), to name but a few. In 2017, Hunan received 670 million domestic tourists, an increase of 18.3% over the previous year; and 3.227 million inbound tourists, an increase of 8.6% over the previous year. The tourism revenue totaled 717.26 billion yuan, increased by 31.3%, among which, the domestic tourism revenue was 708.52 billion yuan, increased by 31.4%; the international tourism revenue was 1.3 billion US dollars, increased by 11.7%.

3. Culture

**Long history:** As one of the important birthplaces of Chinese
civilization, Hunan is said to be the place where Emperor Yan Shennong planted the five grains, wove linen and made pottery. Mausoleum of Emperor Yan located in Zhuzhou City symbolizes the spirit of the Chinese nation. Emperor Shun, a legendary emperor of ancient China, left his footsteps at the Dongting Lake. Jiuyi Mountain of Yongzhou City is reputed to be the burial place of Emperor Shun. The rich historical heritage in the province witnessed the long history of Hunan, such as Chengtoushan site in Li County, the unearthed Liye bamboo slips of Qin Dynasty and Zoumalou bamboo slips of the Wu Kingdom, the ancient Southern Great Wall in Fenghuang, Yuelu Academy, and Yueyang Tower.

**Great talents:** “The Kingdom of Chu, the unique home of talents; the Academy of Yuelu, the very cradle of all.” Mao Zedong, Liu Shaoqi, Ren Bishi, Peng Dehuai and other proletarian revolutionaries from Hunan had greatly contributed to the founding of the Communist Party of China and the People's Republic of China. In addition, Hunan is also the hometown of renowned scientists such as Yuan Longping, “the father of hybrid rice”, and Lu Guangxiu, “the mother of IVF”, famous writers and artists such as Tian Han, Qi Baishi, Shen Congwen and Zhou Libo, as well as a large number of Olympic champions. These outstanding figures have written a gorgeous chapter in the
historical arena of China and the world with their excellent talents, wisdom and morality.

**Rich cultural heritage:** 99 folk arts in the province have been listed as national intangible cultural heritage, including Hunan Embroidery, the New Year Paintings of Tantou, Chinese Shadow Puppetry and the Jiangyong Nü Shu (literally “women's script”, a syllabic script derived from Chinese characters used exclusively among women). Folk song and dance arts such as Flower-drum Opera, Kunqu Opera, Hunan Opera, Qiyang Opera and Changde Strings are well known both at home and abroad; the Nuo culture and the beautiful Dehang Village of the Miao nationality, and the Maogusi Dance and Baishou Dance of Tujia nationality represent the unique folk arts in the western Hunan. Hunan cuisine has a long history since the Han Dynasty and is one of the eight major regional cuisines of Han nationality in China.

**Advanced science and education:** The total number of academicians (CAS or CAE) either working or born in Hunan is 157. There are 107 higher learning institutions, including three universities (Central South University, Hunan University, National University of Defense Technology) under the National Project 985 and four under the National Project 211 (Hunan Normal University and the
above-mentioned three universities). There are 18 National Engineering (Technology) Research Centers, 7 National Engineering Laboratories, and 31 State-Recognized Enterprise Technology Centers. Its independent innovation capacity is continuously improving. The High Performance Computing Collaborative Innovation Center and Southern Regional Collaborative Innovation Center for Grain and Oil Crops in China have been approved by the state and 74 strategic alliances for technological innovation have been established.
Leading Industries & Enterprises in Hunan

Hunan boasts 10 competitive industrial clusters, namely, construction machinery, electronic information, new materials, petrochemicals, automobiles and parts, lead-and-zinc hard alloy and deep processing. In the industrial sector, there are 11 industries each produce an annual output of over 100 billion yuans, namely, equipment manufacturing, light industry, food (excluding tobacco products), electronic information, petrochemicals, nonferrous metals, metallurgy, building materials, electricity, rail transit equipment and construction machinery. It is also home to three industrial clusters, each with an annual output of over 100 billion yuans (Changsha-based construction machinery, Yueyang-based petrochemical industry and Hunan Gaoqiao Grand Market.) and 22 state-level demonstration bases for new industrialization.

Equipment Manufacturing

The core equipment manufacturing scored an income of 1.348812 trillion yuan in 2016, a yearly increase of 14.2%. It was the province's first one-trillion-yuan industry. Among its 14 sub-industries, construction machinery and rail transit equipment stand out as typical examples of “Made in Hunan” going global. Hunan's equipment
industry has already had in place four one-hundred-billion-yuan sub-industries including electrical appliances, construction machinery, automobiles and auto parts, and heavy mining machinery. New growth points are also emerging, including new energy vehicles, industrial robots, pharmaceutical machinery, and ship building, among others. In the whole equipment manufacturing sector, 24 state-level enterprise technology centers, 9 national model enterprises for technology innovation, and 112 provincial enterprise technology centers have been established. What's more, the sector is capable of producing concrete pump trucks with the world's longest boom (101 meters), tower cranes with the world's longest working radius (over 100 meters), crawler cranes with the world's largest lifting capacity (maximum 3,600 tons), AC driven locomotives with the world's highest power (uniaxial, 1600KW; six-axis, 9600kW), as well as world class urban mass transit vehicles of both type A and type B. It's fair to say that an industrial pattern with Hunan characteristics has taken shape for high-end equipment manufacturing.

The industry leaders have made great contributions to the development of equipment manufacturing in Hunan, including CRRC Zhuzhou Locomotive Co., Ltd. and China Railway Construction Heavy Industry Co., Ltd. in the rail transit equipment manufacturing
sector, SANY Group, Zoomlion Heavy Industry Science & Technology Co., Ltd., Sunward Intelligent Equipment Group and Tidfore Heavy Equipment Group Co., Ltd. in the construction machinery manufacturing sector, Changsha Foton Vehicle Technology Co., Ltd. and Zotye Automobile Manufacturing Co., Ltd. in the automobile sector, as well as Hunan Xiangliang Machinery Manufacture co., Ltd. and Hunan Nongyou Machinery Group Co., Ltd. in the agricultural machinery manufacturing sector.

1. **CRRC Zhuzhou Locomotive** founded in 1936, a super large SOE, is located in Zhuzhou, Hunan. Its main businesses include R&D, manufacturing, maintenance, sales and after-sales service of railway electric locomotives, EMUs, urban rail transit equipment, as well as their parts and components. Known as the leader of China's electric locomotives, it is China’s major development and production base for rail electric traction equipment, the designated enterprise for China's urban rail transit equipment and the only company in the country capable of exporting electric locomotive vehicles.

2. **China Railway Construction Heavy Industry** (hereinafter referred as CRCHI) is founded in 2007 and affiliated to China
Railway Construction Corporation (hereinafter referred as CRCC), which ranks 79th in the world's top 500 enterprise. CRCHI is a professional enterprise which integrated research, design, manufacture and service of high-end underground engineering equipment and track equipment. Currently the CRCHI has multiple manufacture bases in Changsha, Zhuzhou, Longchang, Lanzhou and Urumchi.

3. **SANY Group**, founded in 1989, is a private enterprise in the equipment manufacturing industry, and has now grown into China’s largest construction machinery enterprise, which is also the world's fifth largest. Under the Group, there are two public companies, namely SANY Heavy Industry and SANY Int’l. SANY Heavy Industry is the first enterprise in China that accompanied the equity division reform and the only Fortune Global 500 Company in the construction machinery sector in China. Its main products include concrete, mining, lifting, piling, road, and port machinery, as well as wind power equipment. The concrete machinery is the world's top brand. In 2012, SANY Heavy Industry acquired Germany-based Putzmeister, changing the world competition landscape of the construction machinery. At home, SANY has industrial bases in Beijing, Shanghai, Shenyang, Kunshan and Changsha. Globally, its business and exports
have covered over 100 countries and regions. It has also set up R&D and manufacturing bases in India and the United States, Germany, and Brazil.

4. Zoomlion Heavy Industry Science & Technology founded in 1992, is China's first construction machinery company listed on both the Shanghai and Hong Kong stock exchanges, is mainly committed to researching and manufacturing major high-tech equipment for infrastructure construction in the areas of building, energy, environmental, and transport engineering. Zoomlion is a continuously innovating global enterprise. The company owns independent intellectual property rights in 13 major categories and 86 product lines, as well as nearly 800 leading products, and it has the most complete product chain in the world’s machinery enterprises. The company ranks among the world's best in two segments: concrete machinery and hoisting machinery.

5. Sunward Intelligent Equipment Group, headquartered in Changsha, was founded in 1999. The group’s core company is the listed Sunward Intelligent Equipment Co., Ltd. It has set up subsidiaries in Changsha, Wuxi, Huaibei and Europe. Now, it has
gradually grown into an international enterprise with global reach that focuses on construction machinery, and owns independent intellectual property, ranking among top 50 global enterprises manufacturing construction machinery. With a total asset of over 6.5 billion yuan, the group has developed over 100 high-quality and high-performance construction machinery products with independent IPR in a dozen fields, e.g. large pile-driving machine, a full range of excavators, modern drilling equipment, industrial vehicles, mining equipment, cranes, road machinery, hydraulic components, military construction machinery, general aviation equipment and yachts.

6. **Tidfore Heavy Equipment Group** is an innovation-based group that centers on advanced manufacturing and system supporting services. It provides design, R&D, manufacturing, sale, installation, commissioning, after-sales service, financial leasing and related services for high-end material handling equipment, port and marine equipment. There are over 20 subsidiaries under the Group, including Tidfore Heavy Industry, Tidfore International Engineering, Tidfore Ocean Engineering, Tidfore Leasing, and Prudential International. It has branches in Beijing, Shanghai, Hong Kong and other places and offices in Rio de Janeiro (Brazil), Calcutta (India), Sydney
It has two green industrial parks: one in southern China (Jiuhua, Xiangtan, Hunan) and one in northern China (Lingang, Tianjin) and covers an area of 3.46 million square meters. In 2014, the company's industrial output value exceeded 10 billion yuan, getting on the list of Top 500 Chinese Private Manufacturing Enterprises.

7. **Changsha Foton Vehicle Technology** was founded in 1999, which integrates R&D, production, sales and service and owns five product lines, namely Forland Ruiwo, Forland King Kong, Beijing King Kong, Beijing Weilong and Foton Forland. The company boasts domestically advanced production line and automatic test line for light, medium and heavy commercial vehicles that cover the whole process from manufacturing, body assembly and welding, electro-coating to painting. As a domestic leader in truck exports, the company’s overseas business covers markets throughout the countries and regions in West Asia and North Africa, Southeast Asia, Central and South America, Central and South Africa, Central Asia, East Asia and Eastern Europe, with its products exported to more than 70 countries and regions.
8. **Zotye Automobile Manufacturing** is a wholly owned subsidiary of Zotye Holding Group, mainly engaged in the R&D and sales of BEV, auto parts, and in technical services. Based on its research and innovation in the new energy field, the company has developed and industrialized BEVs with an annual production capacity of 20,000 units. With an area of 78.67 hectares, the company owns four major automotive production lines covering the processes from stamping, welding, painting to assembly and a vehicle dynamics performance test line. In 2008, the base where we are now was officially put into operation, which was the only key car manufacturing project supported by Hunan Provincial Party Committee and Government at the time. With such important support, the project aims at creating a self-owned brand in national automobile industry, and a platform with Independent Intellectual Property Rights for car manufacturing.

9. **Hunan Xiangliang Machinery Manufacture** is a joint-equity enterprise offering integrated services such as research, processing manufacturing, engineering design, installation and construction for grain and oil machinery products. It was incorporated from formerly state-owned Hunan Xiang Liang Machinery Works, which was
founded in 1956. It is a national designated enterprise and export base for the manufacturing of rice milling machinery, oil extraction machinery, and grain elevators. The company has ISO9001: 2008 international quality management system certification. It has over 80 professionals in engineering design and manufacturing, grain engineering, oil engineering, electrical control and automation, warehousing engineering and so on, including four experts enjoying government subsidies of the State Council. The company is committed to the R&D of grain and oil machinery and its main products include over 100 varieties in four categories, namely rice milling machinery, warehousing and transportation machinery, oil extraction machinery, and grain elevators.

10. **Hunan Nongyou Machinery Group** founded in 1995, has five specialized subsidiaries, such as Nong Guangdong Equipment, Nong You Sheng Tai, mainly producing harvesters, rice transplanters, cultivators and combined rice polishers. It has set up Hunan Engineering Research Center for Modern Agricultural Equipment jointly with Hunan Agricultural University, Modern Agricultural Equipment Zhuzhou Combine Harvesters Co., Ltd. and taken the lead in establishing the National Strategic Alliance for Agricultural
Machinery Technology Innovation. It owns more than 100 national patents, including 12 invention patents. It has led or participated in the drafting of two provincial standards, five industry standards and two national standards. It has established more than 800 sales and after-sale service outlets in China as well as ASEAN and African countries. Its combined rice polishers have a market share of 21%, with its production and sales ranking the first in the country. The production and sales of cultivators rank the first in the province. 14 products of the company have been included in the national/provincial catalogs of agricultural machinery promotion and subsidy catalogs in 16 provinces including Hunan, Yunnan, and Guizhou. Its products are popular in over 20 provinces and cities in China and in Vietnam, Thailand, Myanmar, Malaysia, Laos and other countries and regions.
Energy and Power

To date, Hunan is capable of developing and manufacturing multiple power supply equipment covering wind, hydro energy, natural gas, nuclear power, solar power and renewables. The province can readily serve clean energy development with a full range of power generation, transmission, and distribution capacities. Among them, the hydropower sector is capable of producing a number of models of up to 100,000 KW; wind power boasts a complete industrial chain from R&D, equipment manufacturing, wind farm construction to power transmission; the PV industrial chain is notably cost-effective; the power transmission of the province leads the country and even the world in that it can produce a number of world-class extra- and ultra-high-voltage, high-capacity transformers. The sector is capable of producing reactors with the world's highest voltage and the largest capacity (320 Mvar/1100KV) and IGBT with the world's largest power (6500V).

Hydropower equipment manufacturing is led by Hunan Vanguard Group Co., Ltd., which has developed tubular turbine units of up to 50MW and Francis turbines, and axial flow turbines of up to 100MW. Wind power sector, headed by XEMC, has an installed capacity that ranks among the nation's top 5. Key components producer in Hunan
such as Timken bearings boasts competitive edge. CRRC Zhuzhou Times New Material Technology Co., Ltd. is the largest wind turbine developer and manufacturer in southern China. As the leader in the solar power sector, the PV manufacturing equipment of the 48th Research Institute of CETC takes up 80% of the domestic market share. Power transmission and distribution equipment is dominated by Hengyang-based TBEA, a world-leading manufacturer of transformers.

1. Zhongnan Engineering (a subsidiary of Power Construction Corporation of China), established in 1949, is mainly engaged in four major businesses, namely, hydropower engineering, new energy engineering, environmental protection and water works, municipal transportation and other construction projects, covering project planning, survey and design, EPC and complete sets of equipment, as well as investment, development and operation. The company obtained the ISO9001 certification and the World Bank DACON certification in 1998, and quality and OHSMS certification in 2009.

2. Forty-eighth Research Institute of China Electronics Technology Group Corporation (CETC48) was founded in 1964, it
has nearly 1000 sci-tech workers and Six major business sectors: PV, IC/LED, Magnetic Materials, Energy Storage, Sensors, and SOI. CETC48 products have been exported to more than 20 countries of Asia, Europe, America, Africa (including Egypt, Qatar, Sri Lanka, etc.) CETC48 is the China major PV equipment supplier with most varieties product, the only Chinese company which can provide whole PV industry chain turnkey solution, the only Chinese company rank top 10 in PV equipment, Chinese national PV Equipment Engineering Research Center and the Chinese undertaking unit of “China-Egypt Renewable Energy National Joint Laboratory”.

3. **Sinohydro Bureau 8** established in 1952, is a large comprehensive state-owned construction enterprise that offers integrated service for design, construction, research, manufacturing, and installation. It has six general contracting certificates (Top Class) for housing construction, roads, railways, municipal utilities, ports and waterways and water conservancy and hydropower construction, water conservancy engineering design certificate (Class A) and five professional contracting certificates (Class A) for subgrade and foundation engineering, earth and stone works, steel works, lifting equipment installation engineering, and road subgrade engineering.
4. **CEECE Hunan Electric Power Design Institute**, founded in 1958, is affiliated with Chinese Energy Engineering Co., Ltd. (CEECE). It has been awarded Grade-A Qualification for Electric Power Design by the Ministry of Housing and Urban-Rural Development and Grade-A Qualification for Engineering Consulting by National Development and Reform Commission. Its business scope includes survey, design, consultancy and EPC in fields such as electric power system planning, dispatching and communications, SHV/UHV power grid, nuclear power plants (conventional island), large-scale thermal power generation, pressure vessels and pipelines, new energy and distributed energy system. The company is authorized to engage in foreign economic and technological cooperation, and has been awarded as Hunan Provincial High-tech Enterprise and AAA Credit Enterprise of Construction Industry.

5. **Zhuzhou CRRC Times Electric** (TEC) was established in 2005. The company specializes in the R&D, manufacturing, sales and technical service of propulsion and control systems, network control, converter, train control system and signaling system for rail transit, railway maintenance & construction machines and electrical control system, electric products for passenger train, high power
semiconductor, general inverter, solar inverter, sensor, printed circuit board, composite busbar and urban intelligent transportation system. Its products are widely used in various industries and sectors such as high-speed EMUs, electric locomotives, diesel locomotives, passenger trains, metros, light rail vehicles, large railway maintenance machines, urban rail transit system, power, metallurgy, and etc.

6. Xiangtan Electric Manufacturing Group (XEMC) owns 5 branches, 7 wholly-owned subsidiaries, 10 holding and joint-stock companies and 1 listed company. Moreover, there are 5 companies controlled by the listed company. In recent years, relying on the advantage of its three core technologies, namely, electric traction technology, marine electric propulsion technology and electric vehicle manufacturing technology, XEMC focuses on the development of complete sets of equipment for national defense, GE, auto transport and new energy. XEMC’s medium and large-scale AC/DC mill motors enjoy great reputation in China and its exclusive high-tonnage trolley locomotives and electric-wheel mining dump trucks (108-, 154-, 220- and 300-ton) can be found in most open-pit mines across the country. The company is also a leading producer of complete sets of motors and electrical equipment for urban rail transit vehicles in China. Its
products are sold in many countries and regions, including South Asia, Europe and Central America.

7. **TBEA Hengyang Transformer** is the holding company of Tebian Electric Apparatus Stock Co., Ltd. (TBEA). Founded in 1951, the company has developed into a leading company in the ultra-high voltage transformer products manufacturing for the power transmission and transformation industry in China. It is the largest R&D, manufacturing, and export base for ultra-high voltage power transmission products in Southern China. The transformer output of the company plant is the largest in the world and it has grasped the most core key technologies of ultra-high voltage AC and DC transmission, large hydropower, thermal power, and nuclear power hosts and the installation and commissioning. It is capable of providing integrated services of engineering survey, advisory, construction, installation, commissioning, operation and maintenance overseas. The company established nearly 30 overseas offices overseas, and its products are exported to 32 countries and regions in Europe, Africa, the Americas, the Middle East, and Southeast Asia.

8. **Xiangtan Power Engineering Machine Works** is the only
professional manufacturer of power tools and live working tools, with advanced technology, rich experience in machinery manufacturing, complete processing equipment, sound quality assurance system as well as measurement and detection mechanism. Its products are ideal machinery and equipment for outdoor construction without power supply, which are mainly used in construction and lifting operation in the field of power, communication, construction, docks, mines, forests and oil pipelines and sell well all over the country. The fm type winch series has won provincial major scientific and technological achievement award and the nzy type vibration and drainage machine as well as other products are well received by the users.

9. Hunan Xuefeng Mechanical and Electrical Equipment Manufacture is a hi-tech enterprise specialized in the manufacture of hydraulic turbine generator unit and related automatic control equipment with over 50 years of experience in the production of hydraulic turbine generator unit. In 1972, the factory was appointed by the National Water Resource and Hydro Power Ministry as a designated factory of hydraulic turbine generator unit. The company is equipped with over 20 professional numerical controlled processing equipment and over 200 mechanical machining, heat treatment,
assembly, test and inspection equipment. It can produce Francis, Kaplan, Pelton, Turgo and Tubular turbine generator with unit capacity under 50MW, and 4 meter runner diameter. The company has independent import and export operation right. Its products are widely sold throughout the country and exported to Italy, Australia, Albania, Chile, Kazakhstan, Lithuania, Sri Lanka, India, Vietnam, Philippine, Democratic Republic Congo, Mongolia, North Korea, and Burma, etc.

10. Hengyang Hengfei Cable (formerly Hengyang Wire and Cable Plant) is a large integrated wire and cable manufacturing company located in Hengyang, Hunan. It is a designated producer for the State Administration of Machinery Industry, the Ministry Of Railways, the State Power Corporation, Commission of Science, Technology and Industry for National Defense, PLA General Armament Department, and Aerospace Industry Corporation. It is also a major supplier for urban and rural power grid construction and reconstruction program recommended by the State Economic and Trade Commission. It is one of the first wire and cable manufacturing companies that have passed by the ISO9002 quality system certification and the "3C" national compulsory certification. It has also passed the ISO14000:2004 environment management system.
certification and its products can meet the requirements of almost all sectors, such as construction, electric power, petrochemical, coal mining, aviation, railway, shipping, roads, machinery, household electrical appliances, metallurgy, etc. The company's products and services are widely used in various industries and key construction projects, and exported to over 20 countries and regions in Germany, Russia, Brazil, and Angola.

11. Hunan Sunny Hydropower Equipment Corporation (SHPE) was founded in November 2004. It is formerly known as Hunan Xinning Hydropower Equipment Manufactory founded in 1958, which is located in the beautiful World Natural Heritage Site--Langshan scenic area in the southwest of Hunan. The company can independently design, manufacture and install turbine-generating sets with unit capacity of no more than 50MW, covering Francis, Pelton, Inclined jet, Kaplan, Tubular, as well as complete auxiliary equipment. Its products are widely sold throughout the country and exported to Kazakhstan, Georgia, Azerbaijan, Russia, India, Nepal, Indonesia, Pakistan, Myanmar, Vietnam, Thailand, Sri Lanka, Peru, Chile and Ecuador, etc.
12. **Hunan Vanguard Group** is a large national civil-military integration enterprise directly under the China South Industries Group Corporation, which mainly focuses on manufacturing 5 series (Francis, Kaplan, Pelton, Turgo and Tubular) and 68 varieties of small hydraulic generators, 8 series and 118 varieties of vertical/horizontal generators, and providing integrated services of generator excitation panel, control panel, brake valve, speed controller, penstock production and equipment transportation, installation and commissioning.

13. **Hunan Neptune Pump** founded in 2000, is committed to development and production of energy-efficient pumps, and has established a quality assurance system integrated with R&D, manufacturing, testing, installation and commissioning, and after-sales service. It has been certified by an international authoritative system. Its main products are vertical turbine/mixed flow pump, motor or diesel drive emergency fire pump unit, horizontal split pump, magnetic pump, etc. Its products and services are used in petrochemical, electricity, iron & steel, and municipal sectors and ports, offshore platforms, and other works. The market includes China, Middle East, South America, Southeast Asia and Africa, etc.
14. **Huaneng Automation Tech** (a pre-IPO company for Changsha Huaneng Automation Group) provides automation solutions and EPC for water conservancy, hydropower, electricity and industrial users. The group was founded in the early 1990s and is located at Lugu Industrial Park -- Changsha National High-Tech Development Zone. The company is the one-and-only control equipment research and manufacturing base in the world for UNIDO International Centre for Small Hydro Power. It is also a designated key production enterprise for former Ministry of Electric Power and one of the first recommendation enterprises for the state urban and rural power grid construction and reconstruction project. It is one of the major drafters of quite a few standards for the automation control equipment industry organized by the Ministry of Water Resources, including "Pumping Station Automation and Informationization", and "Power Plant Automation Equipment Application Guidance". To date, it has provided quality products and service for over 6000 plants and stations in 32 countries and its market share in the hydropower station automation control equipment is No.1 in the world.

15. **Hunan Lenercom International Engineering** (hereinafter referred to as “Lenercom”) is a joined-ownership venture founded by
China Energy Engineering Group Hunan Electric Power Design Institute, HNAC Technology, Hunan C-Kingdom Group and Changlan Electric Technology. under the guidance of the Department of Commerce of Hunan Province. The company and its shareholders are mainly engaged in international power business, and the main business scope includes thermal power, hydropower, wind power, solar power and biomass power generation, international power transmission and transformation projects, provision of power industry chain resources and total power engineering solutions for international owners. At present, Lenercom and its cooperative companies have accomplished more than 50 overseas projects in 20 plus countries and regions in Southeast Asia, Middle East, North Africa, Latin America. To date, Lenercom has been appointed by the Department of Commerce of Hunan Province as the designer and the implementer for Silk Road Alliance, a member of Energy Alliance under Hunan-based Enterprises Going Global Initiative, and of “Power Enterprises Alliance for Going Global” designated by Hunan Smart Electric Power Alliance.

16. Zhangjiajie Tiancheng Mechanical and Electrical Equipment Manufacturing, founded in 1958, is located in
Zhangjiajie city, Hunan province. It is the first manufacturer of water
turbine generator in Hunan. In 1994, it was approved by Hunan
Provincial Department of Mechanical Industry in the category above
the SME scale. In 2007, the company was restructured with a
registered capital of 10 million Yuan. The company now is one of the
major hydropower equipment manufacturers in China, with a large
modern light steel and heavy steel plant of 15000 square meters, and
ISO9001:2008 certificate. Its products are sold throughout the country
and exported to over 20 countries and regions including Guinea,
Sudan, DR Congo, India, and Thailand, over more than.

17. Hunan Jiusheng New Energy Technology established in
2010, is a high-tech enterprise integrated with research and
development, production, sales and services. It is committed to the
development and manufacturing of solar flat plate collectors, air
source heat pumps, photovoltaic stents and other products. Meanwhile
the company can also provide photovoltaic and solar thermal project
design, construction and installation services. With advanced
technology and equipment, excellent team and its supporting Jiuhua
Production Base, it can fully meet customers’ demand for solar energy
products. The company has established long-term cooperative
relations with Central South University, Hunan University and other famous universities and research institutions. Its R&D team is made up of senior experts and qualified young professionals holding doctor and master degrees.

18. Sinopec Chemical Commercial Holding Company Limited (SCCHC) Hunan Branch, established in 1950, has 15 sub-branches and 89 county companies and the provincial branch has 19 offices (centers). As of the end of 2016, it had a total of 10858 employees. It currently has a total asset of 17 billion yuan, with 1577 gas stations, 1559 Easy Joy convenience stores, 21 oil depots, and 755-km finished oil pipeline. Since 2008, the company has been a top 50 taxpayer in Hunan for many years. In 2015, it ranked ninth on the list of Top 100 Companies in Hunan.

19. Changgao Electric, established in 1953, with registered capital of 520 million RMB, has long been recognized as the leader for development and production of high voltage electric equipment up to 1100kV and one of the key high-tech enterprise in China National Torch Program. Changgao Electric was listed in Shenzhen Stock Exchange in 2010. Changgao Electric’s business covers electric power
project investment, production capacity cooperation, designing and consulting, equipment manufacturing, project contracting, power plant operation and maintenance and new energy vehicles. In recent years, Changgao Electric develops international business actively, and has several representative offices in East Africa, Middle & West Africa, Southeast Asia, West Asia. Changgao Electric can provide full industry-chain services from project investment & financing, consulting, design, equipment manufacturing, project contracting, operation and management for the clients.

20. Hunan Rich PV Energy, located in the University Science and Technology Industrial Park, is a new energy enterprise and a famous brand in Hunan supported by the Provincial Government. As a manufacturer of original photovoltaic power generation integrated system, our company has an intelligent manufacturing production base for photovoltaic module and inverter meeting the Industrial 4.0 standard. The company has been actively expanding overseas market and participating in the “Belt and Road” Initiative.

21. Yiyang Jincan Agricultural Technology and Development, as a leading enterprise in agricultural industrialization in Yiyang, was
established in April 2009 with a registered capital of 10 million yuan. We have a 5,000-ton molding production line and mainly engage in R&D, production and sales of biogas digester. Our flagship product Hydraulic Residue Automatic Circulation Fiber-Reinforced Plastic Biogas Digester was awarded national patent in 2009 and the Hunan Provincial Scientific Research Achievement Certificate by the Hunan Provincial Science and Technology Department in 2012. In 2015, our company was listed as one of the fourth batch of enterprises committed in energy-saving and emission reduction by the Development and Reform Commission of Hunan Province. In 2016, the Hunan Animal Husbandry and Fishery Bureau piloted the hydraulic residue automatic circulation fiber-reinforced plastic biogas digester and our service model as a key demonstration model. Up to now, the biogas digester has been promoted to 14 cities in Hunan, and our service model in dealing with livestock and poultry manure has been continuously improved. We are committed to the development, utilization and reform of clean and renewable energy in the rural area.

22. Changsha Victory Electricity Technology, located at the CBD of Yuhua District, Changsha, Hunan Province, was founded in 2007. The company is a high-tech energy-saving enterprise which is
specialized in R&D, production and sales of automation equipment of electric system. Our company has a strong scientific research team, advanced R&D concept, plenty of technology experience and strong technical strength. Our main products include portable emergency power, general adjustable test power, relay protection test device, switching characteristic tester, small current tester and other instruments etc. Our company developed a series of mobile terminal-based IT applications, obtained quite a few intellectual property rights and patents, has won the title of High-Tech Enterprise and National AAA Credit Enterprise and is ISO9001 certified.


**Infrastructure**

In 2017, Hunan's construction enterprises achieved a total output of 842.286 billion RMB, increased by 15.3% year on year, of which 280.817 billion was achieved outside Hunan, up by 12.6% year on year. The added value of construction industry was 228.268 billion RMB, a year-on-year increase of 13.2%, taking up 6.6% of GDP. The province has 6,058 construction enterprises, including 12 top grade ones (China Construction Fifth Engineering Division Corp. Ltd., Sino Hydro Bureau 8 Co., Ltd., China Railway Urban Construction Group Co., Ltd. included), 404 Grade A enterprises, 1,097 Grade B enterprises, 3,089 Grade C enterprises, 72 companies without a grade and 1,384 labor service businesses. Creating 2.2 million jobs, the construction sector has become a pillar industry of Hunan.

In recent years, Hunan has worked vigorously to modernize the construction sector through field research and policy incentives for relevant projects. For example, modernization projects can be included in the quality and safety supervision and be granted construction permits. At the same time, the province has supported the construction industry to go global. By 2017, the turnover of overseas contracting projects has kept rising. Headed by leading players such as Sino Hydro Bureau 8 Co., Ltd., China Construction Fifth Engineering
Division Corp. Ltd., and Hunan Construction Engineering Group, the construction sector turned over USD 7.602 billion in foreign project contracting and labor cooperation, a year-on-year increase of 15.2%.

1. **China Construction Fifth Engineering Division** (CSCEC 5th Bureau), founded in 1965, is a wholly-owned subsidiary of China State Construction Engineering Corporation Ltd. With more than 18,000 employees, the company has total assets exceeding 50 billion yuan and business scale exceeding 150 billion yuan. The company takes building construction, infrastructure construction and real estate development as its core business and is the only CSCEC company that owns Grade-A Tunnel Construction Qualification. The company boasts great competitive advantages in constructing ultra-high-rise and super-large public buildings. CSCEC 5th Bureau pioneered expedition overseas in the early 1980s. Since 2003, its overseas business scale has developed from 1 billion yuan each year to tens of billions yuan per year. It undertook various overseas infrastructure construction projects, including 5,500 housing units in Algiers, Sétif University Town, Tipaza Provincial Expressway, North-South Expressway (No.1 State Highway) and Cherchell Ring Expressway in Algeria and Congo (Brazzaville) No.1 State Highway. In early 2015, CSCEC 5th Bureau
and CSCEC Algerian subsidiary jointly established an infrastructure business unit for Algerian infrastructure market.

2. The 23rd Metallurgical Construction Group of Minmetals is a state-owned enterprise mainly engaged in construction and installation, mining engineering, real estate development and infrastructure investment. Founded in 1953, it is now under the China Minmetals Corporation. The company is qualified as Top Grade General Contractor for Metallurgical Construction, Grade I General Contractor for Building Construction, Mining Construction, Municipal Works, Mechanical and Electrical Engineering, Grade I Professional Contractor for Steel Structure Works and Building Mechanical and Electrical Engineering, Grade II General Contractor for Highway Construction, Petrochemical Construction, Electrical Engineering, Grade III General Contractor for Railway Construction, Grade III Professional Contractor for Firefighting Facilities, Grade I Real Estate Developer and Grade I Property Services Provider. With a registered capital over 1.3 billion yuan and total assets exceeding 10 billion yuan, the company has nearly 5,000 employees, including more than 3,000 professional and technical personnel, 480 plus registered architects and 60 plus registered engineers of various disciplines. More than 300
employees of the company have senior professional titles and over 1,300 employees have intermediate professional titles.

3. China Machinery International Engineering Design & Research Institute (hereinafter referred to as CMIE), founded in 1951, is one of China’s earliest state-level large comprehensive design institutes. As part of China National Machinery Industry Corporation, a Fortune 500 company, CMIE is a high-tech enterprise that integrates engineering consulting, engineering design, general contracting, project management, project supervision, construction, design and manufacture of special equipment and R&D of complete sets of equipment and engineering technologies. The company consists of Comprehensive Design Institute, Architectural Design and Research Institute, Municipal Engineering and Environmental protection Design and Research Institute, Institute of Technology, engineering companies and other components and employs 1300 plus personnel of over 30 disciplines. The company has accomplished a total of nearly 20,000 engineering designs and nearly 500 achievements in scientific research. CMIE has won 200 plus national-, ministerial- and provincial-level excellent scientific and technological achievement and excellent design awards, owns 50 plus national patents and
proprietary technologies, and has led or participated in the development of more than 30 national technical standards and specifications.

4. **Zhongye Changtian International Engineering** (CIE) is a subsidiary under MCC, a SASAC listed company directly supervised by the central government. It is a leading general contractor and equipment supplier in the China’s metallurgical construction sector. It has now developed into a comprehensive international engineering company with integrated business in engineering consultation, engineering design, technology development, equipment manufacturing, general contracting and project management in the fields of metallurgical mining, beneficiation, sintering, pelletizing, direct reduction, green energy, civil construction, engineering supervision and real estate development. Committed to the principles of "environmental protection, efficiency, and energy saving", CIE is constantly improving its technologies. Its clients include Baosteel, Anshan Iron and Steel, Wuhan Iron and Steel, Panzhihua Iron and Steel and other major steel companies in China. It has undertaken engineering design and general contracting for over ten countries including Brazil, India, Saudi Arabia, Indonesia, Japan and Australia.
and conducted technical cooperation with over 20 countries and region, including United States, Germany, Japan, Korea, Sweden, Brazil, and India.

5. **China Railway Urban Construction Group** is a large construction engineering and general contracting company under China Railway Construction Cooperation (CRCC). Founded in 1948 and headquartered in Changsha, Hunan Province, it is a comprehensive urban construction and reconstruction operator integrating design, construction, installation and land development. The company owns Premium Qualification for General Contracting of Housing Construction, Grade-I Qualification for General Contracting of Municipal Works, Grade-I Qualification for General Contracting of Electrical & Mechanical Installation Engineering and multiple Grade-I qualifications for professional engineering. Its general contracting business covers housing construction, municipal works, highway and railway and its professional contracting business covers decoration, electrical and mechanical installation, ground foundation engineering, steel structure, curtain wall, fire fighting, garden, environmental protection, building intelligence, airport, subway, architectural design, land development and sales, etc. The company has constructed a large
number of projects in Angola, Venezuela, Mali, Saudi Arabia and Malaysia.

6. **Hunan Construction Engineering Group** (HNCEG), founded in 1952, has developed into a large enterprise with comprehensive capabilities ranging from survey & design, R&D, higher vocational education, building & installation, road & bridge works, water conservancy and hydropower construction, construction of new energy, equipment manufacturing, real estate development, overseas contracting, international labor services, import & export, urban facilities operation and more. With a registered capital of about 3 billion US dollars, HNCEG delivers contracts amounting to about 30 billion US dollars annually. HNCEG has been ranked among “Top 500 Chinese Enterprises” and “Top 80 Chinese Construction Contractors and Top 60 Architectural & Engineering Designing Firms” for 15 consecutive years, and awarded 97 Chinese Construction Project Luban Awards (Chinese National Quality Project Award) in the last 18 years. HNCEG has executed projects throughout China and has branches or project offices in over 30 countries and regions in Africa, Asia, South America and Oceania. Currently, we are executing construction projects in Malaysia, Liberia, Tanzania, Kenya,
Zambia, United Arab Emirates, Nigeria, Saudi Arabia, Ghana, Fiji, Samoa, Sri Lanka, Australia, Mongolia, Sierra Leone, Bangladesh, Vietnam, Laos, Guinea, Cape Verde and other countries.

7. Hunan Communication & Water Conservancy Group is a leading enterprise in Hunan's traffic and water conservancy construction market. The group has over 10000 employees, including more than 3000 researchers and senior and senior titles. The registered capital is 10 billion RMB, AA+ credit rating, and the business scope has covered all Chinese provinces and cities, and more than foreign 30 countries; it has 12 wholly-owned subsidiaries are well-known enterprises in the domestic transportation and water conservancy industries; the main business covers transportation, water conservancy, port and navigation, municipal, environmental protection and other related industries; there are 143 qualifications has been qualified, which including 1 special qualification of highway, 10 construction general contracting and comprehensive class one (grade A) Qualifications, 38 class one (grade A) special project.

8. Hunan Road & Bridge Construction Group (HNRB) is one of the first highway construction enterprises granted with the general
contracting qualification for highway construction. Its business scope covers road and bridge works, tunnel works, environmental protection works, municipal works, rail traffic, real estate as well as investment management. Up to date, HNRB has completed a total of 2400 km expressways and nearly 1000 large bridges, in a dozen provinces in China and countries around the world, including Kenya, Uganda, Mali, Rwanda, Mongolia, Fiji, the Philippines, Congo etc. Benefit from the outstanding technology and comprehensive strength, HNRB has won numerous awards such as Gustav Lindenthal Medal, GRAA Award, Tien-yow Jeme Civil Engineering Prize and Luban Architectural Award。 The Aizhai suspension bridge exclusively constructed by our company set four world records. HNRB is committed to undertake structural transformation, technical innovation and resources optimization so as to participate in high-level projects in the form of BT、BOT、PPP、EPC+F, covering investment, implementation and operation.

9. **Hunan Provincial Architectural Design Institute**, established in July 1952, is a survey and design consulting institute, which has been granted with Grade A Survey and Design Certificate and Grade A Urban and Rural Planning Certificate by the Ministry of
Housing and Urban-Rural Development, Grade A Engineering Consulting Certificate by National Development and Reform Commission, Grade B Environmental Impact Assessment Certificate by the Ministry of Environmental Protection, and external operating rights by the Ministry of Commerce. The institute has more than 1,300 employees, over 90% of which are professional and technical personnel. As a Grade-A design institute with great comprehensive strength, full professional equipment and modernized design and management mechanism, it provides a wide range of services, including design of civil buildings, municipal engineering, urban planning, landscape, electrical and mechanical engineering, intelligent building, engineering investigation & survey, engineering consulting, construction drawing review, construction cost consulting, interior design, curtain wall design, engineering inspection and testing, special structure, BIM technology, green building, environmental impact assessment, environmental pollution remediation, municipal works construction, construction supervision, general contracting and project management.

10. Hunan Huanda Road and Bridge Corporation, established in 1993, is a wholly state-owned subsidiary under Hunan Highway
Administration. Its main businesses include roads, bridges, maintenance, and municipal construction. Its construction qualifications issued by the Ministry of Housing and Urban-Rural Development include highway construction general contracting (Class A), bridge construction professional contracting (Class A), highway pavement construction professional contracting(Class A), highway subgrade construction professional contracting(Class A), road traffic engineering traffic safety facilities professional contracting (Class A), tunnel engineering contracting (Class B), municipal public works construction general contracting (Class C), road maintenance practitioners category I and category II (Class A), and road maintenance practitioners category II (Class B). The company’s projects over the years can be found all over the country and in Southeast Asia, South Asia and East Africa, and it is the first company in Hunan Province that has received direct international construction order.

**11. Hunan Foreign Construction Engineering** is a joint-stock company established through restructuring the complete sets of business of the former state-owned Hunan Technology Import and Export Company. As a significant professional foreign trade company
in China, it mainly engages in the bidding for large domestic and overseas projects, import and export of cement equipment, metallurgical electrical and mechanical equipment, water supply and flood control equipment, electric environmental protection equipment, construction machinery and other complete sets of technical equipment and processing and customized processing of hardware tools and machinery parts and its sideline includes import and export of minerals, chemicals and handicrafts, import and export agent service, cooperative/joint venture business and co-production business.

12. **Broad Homes Industrial International** is the first comprehensive above-scale enterprise engaged in the R&D and application of industrialized construction. Based on the advanced concepts and technologies from the United States, Japan, Germany, Singapore and other countries, Broad Homes established its home-grown R & D system, manufacturing system, construction system, material system and product system for industrialized construction. With nearly 300 patents and world-leading PC manufacturing and BIM design and construction technologies, the company has achieved a construction industrialization rate of over
85% while keeping quality, schedule and cost controllable. Relying on its unique advantages and technical strength in the field of industrialized construction, Broad Homes sustains an outstanding performance in the technical research and marketing of modernized construction. It has accomplished more than 200 industrialized construction projects with a total area of tens of millions of square meters, including affordable housing, commercial housing, villas, hotels, office buildings and so on. After 20 years of development, Broad Homes has become a pioneer and leader in industrialized construction. The company reformed the way of construction through industrialized manufacturing to improve construction quality and efficiency, conserve resources, reduce carbon emission, thereby providing customers with a green building solution that integrates design, manufacturing, development, construction and operation services and promoting all-round reform and sustainable development of China's construction industry.

**13. Broad Sustainable Building**, established in March 2009, is a wholly owned subsidiary of Broad Group. The company specializes in sustainable buildings, which are 90 percent factory made, 5 times more energy-efficient, 20 times more purified and offer resistance to
earthquakes of a magnitude of 9 on the Richter scale with only 1% of construction waste. The company’s headquarter and R&D base are settled in Hunan, with 360,000 square meters of workshop area, 19,000 employees, and an annual manufacturing and assembling capacity of 10 million square meters.

14. Hunan Zhongda Construction Engineering Testing Technology is engaged mainly in the testing, investigation, reinforcement, consultation and other comprehensive technical services in building engineering, municipal engineering, traffic engineering, marine traffic engineering, water conservancy project, railroad engineering, agricultural products, environment, water quality and forensic authentication. The company covers a building area of 38,400 square meters. The company boasts a testing team with reasonable allocation of high-quality professionals. The company is joined by 188 technicians involving in various fields. The company achieved an output value of 0.12 billion in 2014.

15. Changsha Sparten Science & Technology was established in 2004. It is a high-tech green company that focuses on “science and technology, humanity and environment”. In 2011, the company
founded a subsidiary in Vietnam, Vietnam Xinfutai Crafts and Trade Co., Ltd. The business scope of the company includes in engineering design, construction, installation, commissioning, research and development of core equipment and technology, with a focus on the treatment of solid waste, sewage and waste gas.

16. Hunan Lingxin Unite Electric Power Steel Structure is located in Changsha National Economic and Technical Development Zone and is specialized in the design, manufacture, installation and services of industrial and civil steel lattice truss structures. It is the first professional construction company in Changsha Economic and Technical Development Zone and Changsha County that has obtained steel structure specific construction qualification.

17. KingSums Glass Technology is a comprehensive enterprise, which integrate building decoration materials and art glass products in R & D, manufacturing and marketing. Formerly known as Changsha HaiFeng Glass Company LTD, found in the mid-1990s. Service in Wanda, Hilton, Vanke and a large number of well-known domestic and foreign enterprises and government units. Main products include curtain wall, architectural decoration of new materials and art glass,
and its ancillary products.

18. Hunan Kurbon Curtain Wall Decoration was established in January 1998 and is located in Changsha Economic and Technological Development Zone, Hunan. It is specialized in large-scale curtain wall, doors and windows, decoration engineering design, research and development, production and construction. In November 2015, the company got successfully listed on the NEEQ (new third board).

19. Friendship International Engineering Consulting is committed to be a high-quality supplier in the field of modern engineering services. It is one of the largest and fully-qualified modern comprehensive consultancy service institutions in China. The company’s headquarter is in Beijing and the home office is settled in Changsha, Hunan. Its business covers main provinces and cities in China and the annual project investment exceeds 300 billion RMB. The company has more than 1,400 employees with Registered Engineering Consultant Qualification, Registered Supervision Engineer Qualification, Registered Construction Cost Consultant Qualification and Class-A Construction Consultant Qualification.
Moreover, it is equipped with more than 10 class-A qualifications for engineering consulting, such as project bidding, cost consulting, engineering supervision and etc. All these qualifications enable the company to assist its clients to optimize their construction plan and make scientific investment decisions. Services provided by the company include: engineering consulting, engineering design, bidding and tendering, construction cost consulting, engineering supervision, project management, agent construction, experiment and testing, maintenance and reinforcement, land planning, BIM consulting, PPP consulting and financial and tax audit, evaluation rating as well as whole process engineering consulting services.

20. **CGCOC Zhongyang Construction** is a restructuring company of Sinopec Zhongnan Petroleum Bureau. It was registered in 2004 and is headquartered in Changsha. It is mainly engaged in road and bridge engineering, municipal engineering, foundation, engineering survey, hydrogeological survey, drilling and geotechnical engineering, offshore engineering construction and trade. The company has a foreign contracted engineering qualification certificate (Shanghepi [2008] No. 101), and A-level qualification for foreign aid complete sets projects. The company has branches in Xinjiang and
Jiutong and other places in China and overseas institutions in Chad, Angola, Equatorial Guinea and South Sudan and etc. The company has been ISO9001: 2000 and HSE certified.

21. **Hunan Longxin Housing Industry** is located in the beautiful star city, Hunan Changsha High tech Zone. It is a new type of energy-saving and environment-friendly enterprise engaged in the design, production and sale of cold-formed thin-walled assembly house and aluminum alloy assembly house. The company has a modern production base of 137333 m². High-end aluminum alloy energy-saving door and window are the two main products. The company has nearly 1316 employees, 765 installers and 268 professional technicians, which are divided into departments of new product research and development, production organization and guidance, and the application of project site in order to provide all-round quality service for customers.

22. **Hunan Bojia architectural Garden (Group)** is a group owned private joint-stock enterprise, with a registered capital of 218 million yuan, and the total output value of 3 billion yuan in 2017. The company has a comprehensive qualification of building, municipal
engineering, antique building, landscape architecture and landscape design, city lighting, environmental protection engineering, water conservancy and hydroelectric power, etc. The company has more than 3000 employees, and more than 800 managerial personnel and technical backbone. Among them, there are nearly 500 university graduates and more than 400 senior technical personnel.
Mining & Smelting

Hunan has already developed an industrial chain cluster covering exploration, mining, dressing, smelting, research and education. Among the province's 108 proven mineral reserves, there are 7 kinds of energy minerals, 38 kinds of metallic minerals, 61 kinds of non-metallic minerals, and 2 kinds of groundwater and gas minerals. Resource integration for 17 key mining areas and 8 kinds of important minerals has been completed. Hunan Coal Industry Group, Hunan Light Industry & Salt Industry Group, Hunan Gold Group, Hunan Provincial Bureau of Geology and Mineral Exploration and Development, Hunan Nonferrous Geological Prospecting Bureau, Hunan Provincial Coal Geology Bureau, the Provincial Nuclear Industry Geological Bureau and other large mining and exploration companies enjoy a good reputation both at home and abroad.

Hunan Valin Iron & Steel Group Co., Ltd. ranks among China's top 10 iron and steel producers, and Lengshuijiang Steel Co., Ltd. makes its way to the Chinese top 500 large enterprise list and the Chinese top 500 manufacturers list. The Hunan metallurgical industry has a production capacity of 19 million tons of pig iron, 22 million tons of crude steel, 30 million tons of steel and 4.4 million tons of iron alloys. The product mix is quite complete, covering “winding bars +
steel pipes + sheets + heavy plates + medium-wide strips”.

China Minmetals Nonferrous Metals, SUNTOWN Technology Group, Hunan Jinlong Copper International Group, Changsha Zensong Group, Chenzhou Jingui Silver Industry, and Hunan Jinwang Bismuth Industry, are leading the industry into a new prospect.

1. Bureau of Geology and Mineral Exploration and Development of Hunan Province, established in 1958, is directly under the management of Hunan People’s Government. With 21 directly affiliated institutions, 18,000 employees and 3,838 technical personnel, its major tasks given by the government include strengthening the geology and mineral exploration, developing the industrial economy and promoting employee’s competence and living standard. It has undertaken over 160 public geological exploration projects and more than 1000 commercial ones. At the same time, it also has made great achievements in many geological works, including the environmental geology survey on Dongting Lake, geological disaster prevention across the province, water exploration in water-deficient region, research on stony desertification in the west and south of Hunan and environmental geology survey on the soil and water quality in Changsha, Zhuzhou and Xiangtan. It has cooperated
with Germany, Belgium, Australia, Canada, South Korea and other countries in geological exploration and mining development.

2. Hunan Nonferrous Geological Prospecting Bureau, a department-level institute, was founded in 1953. It is mainly engaged in geological exploration and construction and its business covers the province's 14 cities (prefecture), other parts of the country and overseas markets. It has 54 Geological Survey Qualifications (A-class and B-class), three EPC qualifications (A-class), 8 professional contract qualifications (A-class). It has 6995 employees, among which 2283 professional and technical personnel and 1117 of them holding medium and high professional titles. The Bureau owns total assets of 1.38 billion yuan and over 3000 sets of ore production and research equipment. It has explored and evaluated 43 mineral ores and 237 large and medium-sized non-ferrous, ferrous, and precious metals deposits, provided 188 medium-sized, large and mega mineable mineral bases, among which 30 of them have become important production bases in Hunan, thus earning the title of “the King of Prospecting” in China. In recent years, it has gradually formed an industrial structure with three major industries, i.e. its cornerstone – the geological and mining industry and two major supplements – the
engineering construction industry and the real estate property industry.

3. **Bureau of Coal Geology of Hunan Province** was established in 1960, a public institution (Department Level) directly under the management of Hunan People’s Government. It is mainly engaged in the basic, public and strategic geological exploration as well as coal resources investigation and evaluation, offering geological technical support for green coal development. The bureau has 10 public institutions (Division Level), over 10 economic entities, 5,800 employees and 1,000 technical personnel. It has completed a drilled footage of over 5 million meters, found 430 coal reserves and submitted 1,000 geological reports. It has discovered 4.2 billion tons of coal and other mineral reserves with a potential value of over one hundred trillion yuan.

4. **Hunan Nuclear Geology** was established in 1955, it is China's first regional uranium prospecting and exploration management agency. The agency mainly undertakes the regional geological survey, reconnaissance, and exploration tasks of radioactive resources and metallic minerals such as gold, silver, lead, zinc and copper in Hunan Province and manages the reserves and geological archives of
radioactive mineral resources as well as the treatment of radioactive waste in central and southern China (Hunan, Hubei, Henan and Guangxi provinces). Hunan Nuclear Geology also provides major geological services including geological disaster prevention, geological environment investigation and land right confirmation. It administers six geological teams including 301, 302, 303, 304, 306 and 311, 14 division-level institutions including Hunan Institute of Geological Survey and Institute of Exploration Techniques and 7 companies subordinated to bureau.

5. **Hunan Coal Industry Group** is a large state-owned enterprise approved and directly affiliated by the Hunan Provincial People's Government, ranking top 50 in China coal industry, as well as energy security platform and key-supported enterprise confirmed by Hunan Provincial Government. Established on June 19, 2006, now it owns 37 wholly-owned and holding subsidiaries. Across Hunan, Guizhou, Xinjiang Province (Autonomous Region), it owns 60 coal mines, with total production capacity of 30 million tons per year.

6. **Hunan Light Industry & Salt Industry Group** is a large state-owned enterprise directly under the management of Hunan
Provincial Government, mainly engaged in salt producing and wholesaling, plastic products manufacturing, capital operating, as well as food circulation and trade, scientific and technological development, real estate development, exploration and designing, vocational education, and other businesses, performing its function of salt monopoly by law. Now it owns 16 wholly-owned, holding, joint-stock companies and researching institutes. Hunan Salt Industry Co., Ltd, one of its holding subsidiaries, is the first modern joint stock company combined cross-province salt industry and integrated of producing and marketing, with an annual capacity of 4 million tons of refined salt. Besides, "Xue Tian" brand salt, one of its salt products, is well-received in the South, East of China and Southeast Asia. By the end of 2014, the Group has more than 9,800 employees, with a total asset of 8.386 billion yuan, equity of 3.145 billion yuan and asset-liability ratio of 62%. In 2014, the Group’s salt and sodium sulfate production accounted to 3.09 million tons, with a total profit of 330 million yuan, gross revenue of 2.9 billion yuan, realizing profits and taxes of 677 million Yuan. Its comprehensive strength ranks the forefront in the sector in China.

7. **Hunan Gold Group** was established in 2006 by the Hunan
SASAC and the China National Gold Group, mainly engaged in the investment, development, production, and sales of gold, other non-ferrous metals and related products. It is also engaged in capital operation, assets management, design, consulting and technical services for mining, beneficiation and smelting. It is China's fifth-largest gold producer, the world's second largest antimony producer, and a significant tungsten producer. It serves as the vice presidency of China Gold Association, executive director of China Tungsten Association units, and director of China Nonferrous Metals Association.

8. Hunan Valin Iron and Steel was a joint venture established by Hunan Valin Iron and Steel Group as the major initiator, Changsha Research Institute of Mining and Metallurgy and other organizations, and approved by Hunan Provincial People's Government. It was listed on the Shenzhen Stock Exchange in 1999. Its development orientation is cold and hot-rolled super thin sheets, wide and heavy plates, seamless steel tubes of all diameters, and quality wire rods. Currently, it has an advanced equipment production lines of plates, tubes, and wire rods products; its leading products include high strength steel for cars and ship plates, extra-heavy plates for high power thermal power
and nuclear power stations, high-pressure boiler tube steel, X80 and above pipeline steel.

9. Hunan Valin Xiangtan Iron and Steel, founded in 1958, has an annual production capacity of 10 million tons. It now has complete process equipment from coking to sintering, iron-making, steel-making, steel rolling and metal products. After adjusting the process and product mix, the company now has three major products series, namely, special-use plate-oriented wide and heavy plate, industrial processing-oriented wire rods and bars. The group has formed five sideline industrial clusters, i.e. steel deep processing, circular economy, environmental protection, heavy industry equipment manufacturing, logistics, trade and services for its main business of the iron and steel industry. Its products are mainly sold to East China, Guangdong, Southwest China, and Hunan in China and exported to the United States, South Korea, and Japan and countries and regions in Europe, Southeast Asia and the Middle East.

10. Hunan Valine Lianyuan Iron and Steel, Ltd. is a major plate production base in Central South of China. Located in Loudi, Hunan, it was put into operation in 1958. With a total capacity of 8
million tons per year, it now has complete process equipment from coking to sintering, smelting and to steel rolling. Its major products are super thin strips, auto sheets, and electrical steel with high technological content and high added value; its minor products are section bars. Now it is able to produce cold rolled automotive steel for deep drawing covering CQ grade and DC03-DCO6 series. It can also provide high-quality cold-rolled steel for automobile structures, hot-rolled automobile beam steels, steel for automotive wheels, hot-rolled steel for automotive structures. Lianyuan steel X70 and X80 pipeline steel is successfully applied in China’s key oil and gas pipeline projects. As it is a proved supplier for high strength pipeline steel of stable quality and excellent service, the company has been listed on the Chinese Supplier List of Heavy-Gauge and High-Level Steel for Oil and Gas Pipelines.

11. Hunan Hengyang Valin Steel Tube, founded in 1958, is a subsidiary of Hunan Valin Iron and Steel Co., Ltd.. It boasts the most complete production units and product specifications as well as the most advanced equipment in the seamless tube sector in the world. With an annual capacity of 2 million tons, it has a complete and professional deep-processing process of iron, steel, and tube. It is fully
equipped to produce seamless tubes of all specifications and all varieties with diameters of 6-800mm and wall thickness of 1.5-120mm. Its three leading products are oil and gas tube, pressure vessel tube, and machining tube and HS products series with proprietary intellectual property. The oil and gas tubes mainly serve for oil and gas authoritative departments like ABS and CCS and well recognized by internationally famous oil companies like Chevron, Total and Maersk. The company is a strategic partner of PetroChina, Sinopec, and CNOOC. Its nuclear power tubes have helped the four major pipelines all made in China. The product quality enjoys a high reputation in the oil, petrochemical, machinery, boilers, power generation, coal, chemical and other industries.

guarantee, construction and installation, machinery, slag and powders, steel products and other fields.

13. Hunan SUNTOWN Technology Group, by integrating of 8 small-sized electrolytic aluminum plants, founded a manufacturing base specialized in China’s “low-Si and low-Fe” primary aluminum, high-quality aluminum foil and industry aluminum profiles and owns a complete industrial chain including electricity generation, anode, electrolysis, cast-rolling, cold rolling, foil rolling, casting, industry aluminum alloy extruded profile, etc. It becomes one of Hunan’s core non-ferrous enterprises and high-tech enterprise with over 10 billion yuan of production value. The group has science and technology R&D platform such as national-approved enterprise technology center and national R&D team, made a series of achievements in energy conservation, emission reduction, technology improvement and market innovations, which have provided customers high-end products as well as solutions to transformation and upgrading.

14. Hunan Jinlong Group, founded in 1997, is a large enterprise engaged in the whole industrial chain of renewable resource circular economy, with total assets of 1.018 billion yuan. It takes non-ferrous
metal recycling and deep processing as core business and has six wholly-owned subsidiaries: Hunan Jinlong Copper International Group, Hunan Jinlong Electric Cable Manufacturing Company, Hunan Jinlong Renewable Resources Company, Hunan Jinlong Aluminum Product Manufacturing Company, Hunan Jinlong Metal Product Manufacturing Company and Hunan Jinlong Investment Company. Their products are mainly applied in sectors including electric power, machinery, construction, transportation, communication, aerospace, petrochemicals, metallurgy and mining, military, and nuclear power.

15. **Changsha Zensong Aluminum** is a modern enterprise engaged in aluminum ingot, civil construction and industry aluminum profiles, spare parts production and engineering design, fabrication and installation of door, window and curtain wall. It is committed to the production and research & development on new energy-efficient construction materials. Its annual production capacity reached 80,000 tons and owns two brands, Zensong and Jingang, main products including aluminum profiles and high-quality spare parts of doors, windows and curtain walls.

16. **Chenzhou Jingui Silver Industry** is a high-tech enterprise
engaged in high purity silver production and silver deep processing. It is one of China’s important silver production and export bases. With its nation’s leading silver smelting and deep processing technology, the annual silver output ranks in the forefront among other enterprises in the industry, becoming one of top 100 Hunan industrial enterprises and top 30 Hunan private enterprises. The company takes silver melting and deep processing products as its core business, continues to expand silver industry chain and recycle precious metals like indium, copper, antimony, tin, etc.

17. Hunan Jinwang Bismuth Industry, formerly as Hunan Jinwang Enterprises Co., Ltd., was founded in 2001, which is mainly engaged in smelting and deep processing of bismuth metal, integrating scientific research, production and sales. It is authorized to engage in the import and export trade in fields such as non-ferrous metal, chemical and new superconductors. With a registered capital of 120 million yuan and a total asset of 700 million yuan, it has 2 wholly-owned subsidiaries, 1 high-profile quality inspection center and 2 bismuth products R&D and production institutions and owns shares of 2 companies.
18. Hunan Yulong Minerals was established in 2012 and is mainly engaged in the sales of non-ferrous minerals, handicrafts, chemical materials, machinery equipment, agricultural machinery, hardware and tools as well as the import and export of various commodities and technologies. Now the company is working on the exploration and development activities of gold and other non-ferrous metal resources in Zimbabwe, Africa.
New Materials

In 2016, Hunan's 695 new material enterprises achieved 67.317 billion RMB of added value, up by 12.2% year on year. The total income was 374.599 billion RMB, an increase of 5.5%. In addition, the new material industry has put in place a whole system from R&D to production and education. New metallic materials, advanced battery materials, advanced composite materials, advanced hard materials, advanced polymer materials and special inorganic non-metallic materials are the six areas with comparative advantage.

Hunan new materials industry boasts 2 national engineering centers, 6 state-level enterprise technology centers, and over 60 provincial (ministerial) level innovation platforms. Carbon/carbon composites are among world-class cutting-edge technologies; rare earth functional materials and super-hard materials are also at the forefront of the nation. Biomedical ceramics and other cutting-edge areas continue to achieve new breakthroughs. Hunan Boyun New Materials Co., Ltd., Hunan SUNTOWN Technology Group, Zhuzhou Cemented Carbide Group Co., Ltd, Hunan Nonferrous Metals Holding Group, Baling Petrochemical, and Lens Technology are the key enterprises driving the integration of the new material industry. Wind turbine blades, vibration and noise reduction materials, along with
elastic components developed by Zhuzhou Times New Material Technology Co., Ltd, metal powder materials by Hunan Metallurgy Material Institute, lithium-ion battery cathodes by Shanshan New Materials Co., Ltd, and 3D printing materials by Hunan Farsoon High-Technology Co., Ltd. are also highlights in China.

1. China Minmetals Non-ferrous Metals (CMN), specialized in non-ferrous metals such as copper, aluminum, lead, zinc, tin and nickel, is a comprehensive mineral enterprise, the business scope of which includes overseas resources development, international and domestic trading and metal deep processing. CMN focuses on development and utilization of overseas metal resources. With the joint effort of all sides, in 2014 CMN acquired Las Bambas in Peru — the world largest copper project in construction, ranking among Top 10 copper producers in the world, No.1 in Asia.

2. SINOPEC Baling Petrochemical has become an extra-large scale petrochemical joint enterprise. Taking petroleum refining as its competitive sector, the company also integrates operation and production of petrochemicals, chemical fibers and fertilizers. As the largest domestic manufacturer of SBS, epoxy resin, caprolactam and
commercial cyclohexanone, Baling has more than 160 products, including gasoline, diesel, diluents, cyclohexanone, SBS, epoxy resin, caprolactam, urea, and registered trademarks including “Baling”, “Furong”, “Yingwang” and “Bairong”. The total output of the company is approximately 4 million tons per year, with sales revenue over RMB 30 billion.

3. Zhuzhou Cemented Carbide Group is one of the 156 national key projects during the 1st Five-Year Plan period. The company has 6 main series of products, namely, tools for metal cutting and mine & oil field exploration, hard materials, molybdenum and tungsten products, titanium and tantalum products, and rare metal powder products. Known as the “teeth of industry”, cemented carbide is widely applied in metallurgy, machinery, geology, coal production, oil and chemical production, light industry, textile manufacturing, national defense and other sectors. At present, the company owns one product development department, 13 manufacturing plants and 5 holding subsidiaries. It boasts the national large-scale base of production, research, operation and export of cemented carbide, and is recognized as the Top 10 Iconic Enterprise in Hunan province.
4. **Hunan Boyun New Materials**, founded by Professor Huang Boyun, academician of Chinese Academy of Engineering, vice president of China Association for Science and Technology and former president of Central South University, is a hi-tech enterprise gathering national top experts in powder metallurgy sector together. The company specializes in R&D, production and sales of its products including powder metallurgy for military and civil aircraft, carbon/carbon (C/C) composites parking brake, aero and civil C/C composites product, eco-friendly high-performance auto brake pad, high-performance die material, wheel and braking system for military and civil airplane, which are widely applied in aviation, railway, automobile, metallurgy, chemicals and other sectors.

5. **Hunan Nonferrous Metals Holding Group** is China's largest composite manufacturer in production with many kinds of non-ferrous metals (except for aluminum), which has a complete and integrated industrial chain as follows: exploration, mining, ore dressing, smelting, deep processing and R&D. The company’s tungsten and bismuth reserves and the hard alloy, antimony, fluoride salt, beryllium and copper production rank the first place in the world and its production of lead and zinc ranks the first in China and the third in the world. The
group is engaged in many sectors, including non-ferrous metals (mining, ore dressing, smelting, processing, R&D), machinery manufacturing, inorganic chemicals, biomedicine, real estate. It also has 1 H-share listed company, two A-share listed companies, and hold equity interest in two Australian listed companies.

6. **Lens Technology** is a listed company engaged in the R&D, production and promotion of high-end touch screen glass panel, touch module and new materials for touch screen and protective glass. At present, the company’s business has covered cameras, buttons, ceramics and metal parts, which have been widely applied in mobile phones, tablet PC, laptop, digital camera, player, GPS navigator, automotive touchscreen, wearable smart devices, smart home appliances and so on. The company enjoys a promising market prospect.

7. **Zhuzhou Times New Material Technology** (TMT), originally founded in 1984 as the Rubber Lab of Zhuzhou Electric Locomotive Research Institute of Ministry of Railways, is now a subsidiary of CRRC Corporation Limited and a Shanghai Stock Exchange listed company since December 2002. In September 2014, TMT
successfully acquired ZF’s Rubber & Plastics Business Unit and now ranks first domestically and among the Top 20 manufacturer of Non-Tire Rubber Products globally. TMT specializes in engineering research and product application of polymer material product, anti-vibration and noise-reduction components and lightweight technology; its products have been widely applied across different industries including railway, automotive, new energy and special equipment. TMT’s presence has spun across the global with R&D centers and production sites in 7 countries and 5 continents.

8. Hunan Metallurgy Material Institute, established in 1973, is mainly engaged in the R&D and production of new materials such as powder metallurgy, steel bonded carbide, advanced surface coating technology, precision alloy and intermediate alloy. It has contributed to the development of China’s artificial satellite, carrier rocket, advanced combat aircraft, nuclear submarine, gyroscope with inertial control system, which has been rewarded by the Central Committee of the Communist Party of China, State Council and the central military commission. The institute is an important base for the scientific research, production and test of the new material in Hunan province.
9. **Hunan Shanshan Toda New Materials**, a wholly-owned subsidiary of Ningbo Shanshan Co., Ltd., devotes itself to the development and production of new cathode material for Li-ion battery, and it has the production scale of an annual output of 5,000 tons of cathode materials for Li-ion battery, making it the fastest growing professional manufacturer and the leader in terms of producing and marketing scale of the Li-ion battery cathode materials in China. The main products of the company are Lithium cobalt oxide, lithium manganese oxide, Ni-Co binary system, Ni-Co-Mn ternary system, lithium iron phosphate, lithium titanate and so on.

10. **Hunan Farsoon High-Technology** specializes in the manufacturing of Selective Laser Sintering (LS) 3D printers and Selective Laser Melting (SLM) metal 3D printers, the R&D of nylon and metal materials, and the processing for 3D printing. It is a leading enterprise of industrial 3D printing, and the only demonstration enterprise of intelligent manufacturing nationwide. It domiciles a National Additive Manufacturing Laboratory for Polymers, a global application and development system, as well as a global sales and service network.
11. **Hunan Hongyu New Wear-Resistant Materials** is a high-tech enterprise engaged in development, design, production and sales of wear-resistant casting products. It is committed to saving energy, reducing consumption and boosting productivity for the ball-milling link in the high-consuming sectors like mining, cement, thermal power, and smelting. It is the only wear-resistant casting manufacturer in China that has been listed and the only technology application and service provider in China for high-end ball-mill wear-resistant casting products and new technology. Headquartered in Changsha, the company has 6 branches (subsidiaries), as well as a provincial engineering technology research center and a provincial enterprise technology center. It is one of the first organizations that have participated in the establishment of the academician workstation in Changsha. The development team of the company has led the drafting of Chromiu, Manganese and Tungsten Wear-Resistant Cast Iron Grinding Ball Standards (GB/T24597-2009) and it was published in 2010.
Light Manufacturing

Hunan has already formed a relatively complete industrial system covering papermaking, furniture, leather, arts and crafts, plastics, consumer ceramics, fireworks and firecrackers, household appliances, household chemicals, and lighting equipment, etc.

Papermaking: Hunan has 323 manufacturers of paper and cardboard above designated size, which yield 62.79 billion yuan in main business revenue, and 18.17 billion yuan in industrial added value. The province also boasts the Yueyang Forest & Paper state-level enterprise technology center and the Hunan Guangxin Technology provincial technology center. The quality of high-grade graphic paper, wrapping paper, household paper, and special insular cardboard is globally advanced.

Leather: There are 266 leather manufacturers above designated size in Hunan, whose main business income totals 43.28 billion yuan, and industrial added value, 12.15 billion yuan. Hunan Huaiqi Leather Group and Hunan Lead Leather are Hunan's two provincial-level technology centers. Pig leather production is concentrated in the leather industrial park of Xiangxiang, whereas cowhide production, in Shaoyang. Shaodong produces leather goods of over 2,000 varieties, covering seven series: school bags, backpacks, traveling bags,
handbags, men's bags, belts, and wallets. Among them, sales of schoolbags take up 70% of the domestic market share.

Ceramics for daily use: Liling, which has produced ceramics for over 1,700 years, is home to the well-known underglaze color ceramic, Mao ceramic and special ceramic for the state banquets. Liling City is also an important base for ceramics production and export. The city has more than 500 ceramic enterprises with 150,000 employees. Hunan Hualian China Industry Co., Ltd. is the largest and strongest player with a state-level enterprise technology center in Hunan.

Fireworks: Liuyang City, known as the “Birthplace of Firecrackers”, has become the world's largest production base of fireworks, with over 50% of China's output and a world-class quality. Dancing Fireworks Group provides fireworks and displays for large events at home and abroad, showcasing Hunan's leading position in fireworks manufacturing and pyrotechnics.

1. Hunan Huasheng Group was incorporated in 1988, with the approval by Hunan Provincial People's Government, from Zhuzhou Ramie Textile, Printing and Dyeing Plant, Yiyang Ramie Textile, Printing and Dyeing Plant, and Dongting Ramie Textile Plant. In the same year, the group obtained the import and export operation
certificate. It is an export-oriented group integrated with R&D, Industry and trade. At present, its subsidiaries include four major manufacturers (Dongting Ramie Textile, Printing and Dyeing Co., Ltd., ISUNTE Ramie Textile, Printing and Dyeing Co., Ltd., Hua Sheng Cedar Co., Ltd., Hunan Xiangwei Co., Ltd.) and a listed company –Huasheng. The group is mainly engaged in the development, production and sales of ramie, flax, hemp and bamboo fiber textile as well as cotton clothing products. Its ramie processing capacity and annual export volume both rank among the tops in China. At present, its products are popular in more than 50 countries and regions, and it owns well-recognized brands such as ISUNTE ramie clothing, and DT. AAA ramie yarns.

2. Hunan WONBLY Garment, founded in 1984, is the first company in China that has produced suit pants in a large scale and has become a Top 100 Company in both the textile and apparels industry in China. Its overall annual capacity has reached 5 million pieces, including suits, suit pants, jackets, shirts, down jackets, T-shirts, and windbreakers. With 51 national patents with proprietary IPR, it is the first private company in Hunan that has won the title of “AAAA Enterprise for National Standardization Good Behavior”. Other titles
include "China Famous Trademark", "National Inspection-Free Product", "National Trustworthy Enterprise", and "National User Satisfaction Product", and "Hunan Province Quality Management Award".

3. **Xiangtan Shenzhoulong Industry**, established in 1994, enjoys import and export rights and was approved in 2000 to invest overseas. Currently, the company has developed into a modern manufacturing enterprise engaged in domestic and international trade in diversified businesses. Its production focuses on clothing, bedding and other textile products; its international trade, textiles, light industry, nonferrous metals, and mineral products; its domestic trade, non-ferrous metals, raw materials and chemical products. The company is also engaged in real estate development and sales. In early 2012 the company was officially incorporated Shenglong Steel Co., Ltd. in Algeria, with a bar production line with an annual capacity of 300,000 tons.

4. **Yueyang Forest & Paper**, of which main business involves machine-made paper and pulp, wood planting and sales. With ability of producing dozens kinds of paper such as copy paper, LWC paper,
news-printing paper, munken paper, pigment decoration paper, thermo sensitive paper, release base paper, packing paper (include food packing paper), industrial paper, the company’s paper production capacity reached 1 million tons per year and its commercial pulp production capacity reached 400,000 tons per year. Three wholly-owned subsidiaries are under its jurisdiction, namely Hunan Juntai Pulp & Paper Co., Ltd., Hunan MaoYuan Forestry Co., Ltd. and Yongzhou Xiangjiang Paper Co., Ltd.

5. Hunan Guangxin Technology is a high-tech company specialized in R&D, producing and sales on transformer insulation paper and board, insulation molded production and new insulation materials. It has a provincial enterprise technology center and a provincial engineering research center and business relations with several famous transformer manufacturers at home and abroad. With its annual sales of transformer paper and board exceeded 30,000 tons and transformer insulator production capacity reached 1000 sets annually, the company has obtained 61 patent licenses (including 6 invention patents) and is taking the lead in China’s UHV transformer insulation adhesive-free products.
6. Hunan Huaiqi Leather Group, established in March 2004, owns 6 subsidiaries: Tannery Co., Ltd., Fengmao Tannery Co., Ltd., Leather Products Co., Ltd., Waste Water Treatment Co., Ltd., I&E Co., Ltd. and Construction and Development Co., Ltd. With 10 pork skin processing lines with an annual capacity of 500,000 pieces of pork skin and 5 glove production lines with an annual capacity of 500,000 pairs of gloves, the company has 860 employees, including 90 technical staff, focused on pork skin processing, along with leather garment and glove production, industrial and civil building and real estate development.

7. Hunan Lead Science and Technology (the former Hunan Lead Leather Company), found in June 1993, is composed by Pigskin tannery plant, Cow hide tannery plant and Sofa leather tannery plant as its main products include cow-hide leather, Handbag Leather, Sofa Leather, Pigskin leather etc.. It has more than 280 sets of professional tanning equipment and a waste water treatment plant with capacity of treating waste water about 6000 tons/day. The company has a producing process ranging from tanning process till finishing process and it owns a dedicated new products R&D center with floor area of 5,000 m² with many national patents approved.
8. Hunan Hualian China Industry was founded in 1966 and turned into a joint venture in 1994 to partner with Malaysia Macrolink Group. With a focus on glazed stoneware, Hualian now has 8 production subsidiaries, 1 trading corporation, 1 provincial-level porcelain research institute and 1 world-class porcelain design center. It has over 6,000 employees, among which more than 300 are researchers. With an annual production capacity of nearly 100 million pieces, it has topped the export sales of household porcelain products in China for several consecutive years, and has become the leading household porcelain producer in China.

9. Hunan Karpery Industrial is a porcelain producer authorized to engage in import and export trade, the main products of which include fine porcelain fired at high temperature, stoneware fired at low temperature and glazed porcelain fired at high temperature (such as mug, bowl, plate, cup & saucer, coffee ware, tableware and teaware). Founded in 1991, the company is now one of Hunan’s major export enterprises in porcelain industry with annual sales of nearly 100 million RMB.

10. Dancing Fireworks Group, incorporated in 2004, covers the
entire chain of firework production, including R&D, manufacturing, marketing, raw and auxiliary materials, packaging and printing, and firework display, with 9 product lines and more than 3,000 kinds of firework products. The company has Grade-A qualification for firework display and has provided fireworks and services for over 500 major events at home and abroad, including the Opening and Closing Ceremony for 2008 Beijing Olympic and Paralympic Games, Celebration for the 60th Anniversary of the Founding of the People's Republic of China at Tiananmen Square, Beijing in 2009, 2010 Shanghai Expo, and 2010 Guangzhou Asian Games. Dancing Fireworks is authorized to engage in import and export trade, whose products are sold to dozens of countries and regions, including Asia, America, Europe, Australia, and Africa.

11. Celebration Fireworks Cultural Group is a company that integrates R&D, manufacturing, marketing, firework display and cultural transmission. It has planned and organized more than 1,000 firework shows at home and abroad and has been rewarded many awards, such as the Excellence Award in the 8th International Fireworks Festival, the Gold Prize in the 17th National Invention Exposition, and Top 10 Most Influential Firework Display Company
in the World. Celebration Fireworks has successfully broken the Guinness World Records for three consecutive years from 2009 to 2011 with its firework displays, “Flag of China”, “Image of Chairman Mao”, and “Firework Girl”. Its products are sold in more than 20 countries and regions, including Japan, Europe, the United States and Australia.

12. Hunan Resun Industrial, found in 1956, once named Hunan Daily Chemical Factory, is a domestic company specialized in producing surfactant, household and hotel cleaning products. The company leads the industry in the surfactant R&D and production and sales capacity and has established long-term partnership with several famous transnational corporations at home and abroad.

13. Shaoyang Sunshine Hair Products was established in 2004 with a registered capital of 15 million yuan. It is mainly engaged in purchase, processing, and sales of human hair and animal fur products and craft products. Its products are popular in over 20 countries and regions in Europe, the Middle East, and Africa.

14. Hunan Taiyanglong Medical Tech is a high-tech enterprise
specializes in R&D, manufacturing and marketing of ceiling pendant system for operating room and ICU. The company has more than 20,000 square meters of production workshop and R&D building. With outstanding quality, its products have been topping the market share in China and are sold in many countries and regions, including the United States, Australia, Russia, India, and Egypt.

15. Hunan Erkang Pharmaceutical was established in 2003, and got listed on the Shenzhen Stock Exchange in 2011. It is China's largest leading pharmaceutical aid enterprise with the most complete variety. It is one of few registered companies in China supplying raw materials and finished drugs for innovative penicillin-antibiotics like Sulbenicillin Sodium. Currently, the company has developed into a new development pattern with three categories of leading products: pharmaceutical aid (120 varieties), drug substance (43 varieties) and approved finished drugs (148 varieties). The company supplies pharmaceutical aid for tablets, injections, hard capsules, granules, pills, oral liquids and its main products include glycerine, sugar, alcohol, propylene glycol, sodium hydroxide for medicinal purposes.

16. Hunan FE Pharmatech is located in Changsha Economic &
Technological Development Zone, which is a high-tech enterprise in Hunan Province, a member of China Pharmaceutical Equipment Association, a member of National Technical Committee on Pharmaceutical Equipment Standardization and a leading company in China's pharmaceutical machinery industry. With registered capital of RMB 20 million and net assets of RMB 190 million, FE owns highly production capacity by more than 200 employees, modern factory area of 15,000 m², world's first class machinery manufacturing centers and more than 100 sets of HASS machining equipment, and etc. The “Central South University -- FE Modern Pharmaceutical Machinery R&D Center” established by FE and Central South University, which is the best R&D center cooperated between university and pharmaceutical industry domestic of China. Till now, The company has been granted more than 100 national patents. The latest new-generation automatic glass bottle infusion production line, the automatic Non-PVC soft bag infusion production line and PP bottle infusion production line help FE win the good reputation in both the domestic market and overseas market. Currently, the high-speed glass bottle infusion line has reached a market share of over 70%, and the non-PVC soft bag infusion line near 50%. Meanwhile, FE has developed the vial production line with full on-line weighing system,
which promoted China's vial production technology into a higher stage.

17. Hunan Kelun Pharmaceutical has 11 formulations (including large-capacity injection, small-capacity injection, freeze-dried powder for injection, mixture, capsules and and so on), 131 varieties, 252 SKUs, and 33 production lines. It has formed strong product clusters, including glass bottles, plastic bottles, PP soft bags, liquid-solid double room bags, vertical soft bags, tail irrigation soft bags, small capacity injection, freeze-drying agent, powder for injection, mixtures, capsules, tablets and so on. It is a comprehensive pharmaceutical company with the most complete formulations and varieties in the central south region. Its production and sales of large-capacity injection and antibiotics are among the tops in the country and No.1 in the province. Kangfu Xinye (new rehabilitation liquid), its strategic variety of TCM, is one of the a few TCM varieties in Hunan that have an annual sales revenue of over 100 million yuan.

18. Hunan Chang Xiang Industrial is located in the National Changsha Economic and Technological Development Zone, founded in 1993. It is a national high-tech enterprise specialized in the
development, production and sale of drinking water device and equipment of purification, maintain quality, supply and usage. The company invented the Long Xiang central water treatment machine which has declared and authorized more than 40 national invention patents; and Chang Xiang ZCSJ central water treatment machine product series have been identified as "environment-friendly" and "resource-saving" products in Hunan province.

19. Hunan Sunfield Machinery is located in Hexiang Industrial Park, Changsha Economic & Technological Development Zone of Hunan Province, China, with registered capital of 10 billion RMB. It is an integrated and specialize enterprise focuses on R&D. manufacturing, sales and after sale service of the medium and small agricultural machinery. Sunfield has a complete set of production line for medium and small rice processing machinery, grain thresher and agricultural transportation machinery etc. It has cutting-edge equipment such as 3015 interactive laser cutting machine, JH21-125 precision pneumatic punching machine, Delink hydraulic - pneumatic automatic molding machine, automatic powder painting line and a series of modern high-precision processing equipment. The company has built a complete product line and formed a board domestic and
international marketing network, the productions are exported to more than 30 countries and regions covering Southeast Asia, Africa, South America, the CIS etc.

20. **Hunan Mul-T-Lock Security Technology**, for over four decades, Mul-T-Lock has been a worldwide leader in developing, manufacturing and marketing High Security locking products and access control solutions for institutional, commercial, industrial and residential applications. Mul-T-Lock is fully owned by ASSA ABLOY, the global leader in total door opening solutions. From locks to security doors, entrance automation and access control systems, ASSA ABLOY has an annual turnover of SEK71.2 Billion and employs approximately 47,000 people worldwide. To be the preferred partner for locksmiths and system Installers globally by providing differentiated, relevant and innovative High Security locking and access control solutions.

21. **Hunan Nepuenergy Industrial** founded in May 2010, is a high-tech enterprise specializing in super capacitor pole, single to module application and development process. Master the core preparation technology of super capacitor, have complete independent
intellectual property rights, fill the domestic gap. The company is an enterprise which has been tested by the IEC62391 whole project and obtained the TUV certification of NAND. The products have been certified by the Hunan science and technology department and the AQSIQ's scientific and technological achievements to reach the international excellent level. The company has produced the international leading products such as power type 3000F and energy 300000F super capacitor monomer through the independently developed process line.

**22. Hunan Suiyong Xiangxin Technology Development** mainly engaged in software development, electronic product development, new material technology development services, and agricultural technology development services. After approval by the relevant departments, the products that are required to be approved according to law can be carried out. The company respecting the enterprise spirit of "steadfast, hard work and responsibility", and creating a good enterprise environment with good faith, win-win and opening business philosophy, with a new management model, perfect technology, thoughtful service and excellent quality for survival. We always insist
on serving customers with the heart and insisting on the use of self. The service to the customer. 22, Hunan Sui Yong Xiang Xin Technology Development Co., Ltd. mainly engaged in software development, electronic product development, new material technology development services, and agricultural technology development services. After approval by the relevant departments, the products that are required to be approved according to law can be carried out. The company respecting the enterprise spirit of "steadfast, hard work and responsibility", and creating a good enterprise environment with good faith, win-win and opening business philosophy, with a new management model, perfect technology, thoughtful service and excellent quality for survival. We always insist on serving customers with the heart and insisting on the use of self. The service to the customer.

23. Hunan Xiang Lian Technology is a high-tech private enterprise engaged in multi-functional European aluminum alloy protective rolling curtain doors and windows, tubular motor and related control system and metal processing, powder spraying, surface treatment. Located in Changsha national economic and Technological Development Zone, it covers an area of more than 70 mu and has a
building area of 50000 square meters. It is the only large and comprehensive high-tech private enterprise integrating scientific research, production, sales and service in the same industry at present. The company has advanced domestic surface treatment technology, metal extrusion and sheet metal processing capacity and a large number of professional engineers from the senior engineer.

**24. Shaodong Xingang Tools**, founded in 2000, mainly engaged in tools as well as cases and bags trade. With 20 years of experience in the production and export of tools, its products are mainly exported to the Middle East, Southeast Asia, Africa and South America. It has offices in Mexico and Pakistan. Its annual import and export value reaches $14 million. Its subsidiary Shaodong Xingang Tool Plant was founded in the early 1990s in Shaodong County, mainly producing hand tools and farm tools. Its brands include "HUKUNG" and "STEEL COCK". Another subsidiary Hunan HOLYDA Cases & Bags Manufacturing Co., Ltd., was established in 2010, mainly producing backpacks, bags, and travelling bags. Its brands include "HOLYDA" and "TKLUV".
Agriculture and Agro-processing

Hunan is China's major food production base. Since ancient times, it has been known as “the land of fish and rice”. Also the saying goes “A bumpy harvest of Huguang Region can well feed the entire nation”. In 2017, Hunan's agriculture, forestry, animal husbandry and fishery achieved an added value of 385.288 billion RMB, increased by 3.9% according to comparable prices. The total grain output was 29.84 billion kg, slaughtered hogs 61.163 million and live hogs 39.681 million. The number of slaughtered pigs ranks the second in the country and hog sales tops the country. Camellia planting area of 20.922 million mu (1.3948 million hectares), camellia yields of 291,000 tons, and its output value of 35 billion yuan were all the highest in the country. Rape harvest area and ramie production ranked first in the country; citrus output, the third in the country; tobacco, tea, and freshwater products, the fourth; vegetables, the seventh; and fruits, the ninth. The output of lotus seeds, whose production boasts a history of over 3,000 years, ranks the first. Anhua dark tea is one of China's top 10 teas exhibited at the Shanghai World Expo; Junshan Silver Needle Tea is a treasured Chinese yellow tea.

The province established 10 major industrial belts for agricultural products with comparative advantages, including grain, vegetables, oil,
cotton, citrus, tea, pig, poultry, herbivore, and aquatic products. Mass production rate of crop planting and pig farming reached 18% and 65% respectively, and improved varieties took up more than 95% of crops. Agricultural machinery reached a total power of 57 million kilowatts, and 68% of the rice tilling and harvesting was mechanized. Agro-processing enterprises numbered 51,000, whose sales revenue reached 1.18 trillion yuan. The ratio of agro-processing value to agricultural output value rose to 2.1:1. In 2017, the per capita disposable income of rural residents was 12,936 RMB, increased by 8.4%.

The province boasts strong agricultural innovation capacity, which is evidenced by academicians Yuan Longping, Guan Chunyun and Yin Yulong and influential innovative agro-products such as hybrid rice, hybrid crucian carps, hybrid rapes, new varieties of hot chili, and hybrid cotton. Yuan Longping High-tech Co., Ltd., Hunan Yuan Longping Hybrid Rice International Co., Ltd., Yongzhou Dingxin Trading Co. Ltd., Hunan Nordic Investment Management Co., Ltd., Hunan Xuanye Ecological Agriculture Development Co., Ltd., Hunan King Tea Co., Ltd., Hunan Vigor Foods Bio-tech Co., Ltd., and Keeplong Seeds Co., Ltd. are leading agro-businesses of the province to go global.
1. **Hunan Grain Group** approved by the Hunan provincial government, is co-operated by the Hunan Provincial Food Bureau and the people's Government of Changsha to integrate the large and comprehensive grain enterprises formed by the relevant resources. The total assets of the group are 4 billion yuan, and there are more than 2000 workers on duty. The main business includes grain oil reserves, grain and oil processing, transfer logistics, market trading, futures delivery, business trade, electronic commerce, and so on: 850 thousand tons of grain and oil reserves, annual reserve policy and about 500000 tons of commodity and grain and oil, 2 railway special lines and 1000 tons. 2 level berths, with 7 rice processing lines and 430 thousand tons of annual grain and oil processing capacity, with Changsha national grain and oil trading center, the annual trading volume of up to about 3000000 tons, trading volume nearly 6 billion yuan, Hunan grain feed spot trading market, annual cargo throughput of 3 million 500 thousand tons, early indica rice, rapeseed oil and hard wheat futures The delivery warehouse, 250 thousand tons of delivery, is the largest futures delivery bank in central and South China. It has 2 national key leading enterprises of agricultural industrialization, Hunan Jin Xia grain industry Co., Ltd. and Chenzhou Yuxiang noodle industry Co., Ltd., with 2 Chinese well-known trademarks "Jin Xia"
and "Yuxiang", and the products diversify into rice, noodles, oil and so on.

2. Hunan Modern Agriculture Group is a large state-owned enterprise with 4,967 employees, a registered capital of 4 billion yuan and total assets of 7.8 billion yuan. It is formed by merging Hunan’s flagship agricultural companies with the approval of Hunan Provincial People’s Government. In 2017, its annual sales reached more than 4 billion yuan. The Group has 27 wholly-owned subsidiaries/joint stock companies, covering 7 major sectors, namely, animal husbandry, grain and oil storage, food processing, land remediation, pharmacy and health, international trade, and agricultural finance. Its main businesses include animal husbandry, futures trading, cold chain logistics, pig breeding, trade, slaughtering and processing, grain and oil purchase, storage, logistics and trade, camellia oleifera planting and camellia oil production, as well as the production and sales of health care products made of traditional Chinese medicines. Meanwhile, based on an open business model, the Group has been developing international trade and e-commerce to provide high quality agricultural products imported from all over the world for consumers at home and abroad. The Group has also initiated investment and
financing platforms of development funds, agricultural insurance, agricultural guarantees, and agricultural investment to extend the agricultural industrial chain.

3. Hunan Prospecting Designing & Researching General Institute for Agriculture & Forestry & Industry. Founded in 1956, Hunan Prospecting Designing & Researching General Institute for Agriculture & Forestry & Industry (hereinafter referred to as Hunan Institute for Agriculture Forestry & Industry), adheres to the policy of "vitalizing the institute with technology and talent", and advocating the spirit of "pursuing excellence with unity and endeavor, honesty and pragmatism". It has been developed into a comprehensive survey and design unit with forestry as the main sector, involving agriculture, construction, forestry product industry, transportation, municipal, planning, landscape, garden, survey, supervision, engineering contract etc. Its business presence covers the whole country and more than 20 countries joining “the Belt and Road Initiatives” in Asia, Europe, Africa. At present, the institute holds 34 qualifications issued by the country, including 20 A-class qualifications. It boasts strong technical strength with 23 departments, 70 professional categories and more than 800 technical personnel. In recent years, the college has
completed more than 4000 large and medium-sized projects and won more than 200 items of the national and provincial awards for survey and design, and scientific and technological progress, contributing to the economic and social development of Hunan and even the whole country. In addition, it is a participant and contributor of the “the Belt and Road Initiatives”.

4. **Yuan Longping High-tech Agriculture** (herein referred to as Longping High-tech) is a leading seed company in China. It is named after Mr. YUAN Longping, “Father of Hybrid Rice”, Academician of Chinese Engineering Academy. Mr. Yuan Longping serves as honorary Chairman of Longping High-tech. The company was founded in 1999 and was listed on Shenzhen Stock Exchange in 2000 (SZ:000998). The current controlling shareholder is China CITIC Group. Its business scope covers hybrid rice seeds, corn seeds, vegetable seeds, wheat seeds, etc. Longping High-tech has established R&D centers in the Philippines, India, Brazil, US, Pakistan, etc.; and branches in the Philippines, India and East Timor, extending its business relations worldwide.

5. **Hunan Guoxiu Food** was established in 1997, and
incorporated with US-based EJ company in 1999 and established a joint venture -- Hunan Chic Foods Co., Ltd.. It has developed into a modernized food company integrated with fruit and vegetable bases, food production, packaging, manufacturing, logistics and distribution to both domestic and international markets. With a complete eco-friendly industrial chain, it ranks the first in China’s citrus canning industry. The company has investment projects in Hunan, Anhui, Beijing, Guangzhou and so on and altogether six joint ventures/sole proprietorships. At present, the company owns orchards of around 7000 hectares, two fruit seedlings bases, one fruit industry, food processing plants in both southern and northern China, 20 plus production lines, one national research and development center and one international quality inspection center.

6. Hunan Weihong Food is located at Hetang Township, Yuetang District, Xiangtan City. It is a leading national agro-business company with import and export permission and multiple titles including national transformation and upgrading demonstration base for export-oriented economy, MOA breeding demonstration base, national agricultural processing demonstration enterprise and high-tech enterprise. The company has become a large,
world-renowned and integrated hog processing company engaged in breeding, slaughter and processing, chain sales, cold chain logistics, export, and research service. The company owns a plant with an export capacity of 2 million hogs per year, one cold storage of 10,000 tons, 43 demonstration farming cooperatives, more than 100 chain stores and direct sales outlets. It offers over 100 types of products, including frozen pork cut, chilled pork, fresh pork, and deep-processing products.

7. Jinjian Cereals Industry, under Hunan Food Group Holdings was listed on the Shanghai Stock Exchange in April, 1998 and is known as China's No. 1 grain stock. It has won many awards, including one of the first national leading agro-businesses, one of the first national leading technology innovation companies during the tenth Five Year Plan period, national outstanding food industry enterprise, Chinese staple food processing demonstration enterprise, Top 100 Chinese Cereals & Oils Enterprises, Top 50 Chinese Rice Processing Enterprises. The main orientation of the company is high-quality grain, new health food and drug development, production and sales. It is committed to integrated modern operation of agriculture, industry, science, and trade. Its main products are rice,
flour, noodles, vegetable oil, rice noodles, milk, medicine, and etc. Its market covers 85% of medium and large cities in all provinces and the US, Japan, South Korea, the European Union and Southeast Asia.

8. **Hunan New Wellful**, founded in 2001, is headquartered in Changsha, Hunan province. Listed on the Shanghai Stock Exchange in 2004, it became the first listed company in China whose main business is pig farming and export. The company boasts a complete industry chain covering feed, raw material, boars, commercial pigs, butchering, cold chain, logistics, hogs, chilled meat products processing and sales, farming equipment, and so on. With 11 large standardized breeding bases, 700 cooperative farmers for the "company + small farms of appropriate size" model, the company has reached an annual production capacity of more than 600,000 hogs. Its subsidiary Xiangtan Pig Breeding Farm is one of the first national core farms of the kind in Hunan. It compasses two sales companies for safe and high quality fresh meat products, two feed production companies, and seven other branches/subsidiaries. It has also established a strategic partnership with a dozen hog farms with export certificates in Hunan, thus able to provide over 2 million quality hogs.
9. **Dahu Aquaculture**, based in Changde City, is a group company integrated with the main business of freshwater fish breeding and sales and side businesses of liquor, medicine trade, food processing, investment and high-tech development. Founded in January 1999, the company was listed on the Shanghai Stock Exchange in June 2000 as China's largest listed company in the freshwater fish sector. Today the company boasts China's largest freshwater aquaculture base and aquatic breeding base, the most advanced aquaculture and processing technology in China. The following technologies are even leading in the international market, e.g. the technology of domestication and breeding of Dongting blue crucian carp, breeding of disease-resistant grass carp, artificial breeding of Mongolia culter and Erythroculter ilishaeformis, breeding of Hyriopsis cumingii, integrated technology for large water surface development and pearl biological enzyme technology.

10. **Yuan’s Seed** is an agricultural enterprise that integrates scientific research, production and sales of hybrid rice seeds. Led by Academician Yuan Longping and supported by the East China Branch of China National Hybrid Rice Research and Development Center, the company is committed to breeding new hybrid rice varieties and making full use of China's comprehensive
advantages in the field of hybrid rice to serve domestic and foreign markets through independent R&D, innovation and paid introduction and adopting conventional breeding and molecular breeding methods. The company's main overseas operations are currently concentrated in Bangladesh, Pakistan, Indonesia, the Philippines, Vietnam, Nigeria, Costa Rica, Madagascar and other countries. In these countries, more than 20 varieties of hybrid rice from the company have been approved. The company has exported over 25,000 tons of hybrid rice seeds to overseas markets, ranking top among the peers in China. Its overseas business is highly aligned with China’s Belt and Road Initiative and it has carried out extensive cooperation in the hybrid rice sector with the countries along the Belt and Road.

11. Hunan Huixiangxuan Bio-technology, established in 2005, is located at Longping high-tech Park, Furong district of Changsha. It was the first producer of salty flavor and fragrance in Hunan. Its honors include "Top 10 Brands of Food Additives and Raw Materials in China", "Famous Trademark of Hunan Province", "Changsha Famous Brand", "2010 Model Company of China Food Safety Annual Meeting". The company focuses on high-tech development, and holds 14 invention patents. The company has set up two branch companies (Central South and Chongqing), and 17 Offices in the country. Its
market share of salty flavor and fragrance in Hunan province is above 70%.

12. **Yudelian Agricultural Technology Development** is one of the first companies that have been registered with Hunan Entry-Exit Inspection and Quarantine Bureau for Imports and Exports. Through integrating quality resources in the agricultural export sector, it has grown from a producer of frozen pork and cut meat to a producer of cut meat of pigs, cattle, sheep, poultry and aquatic products, and a deep processor for preserved meat products.

13. **Hunan Huoli Seed Industry Science and Technology** is a large joint-stock enterprise specialized in breeding, space breeding, production, processing, and marketing of major crops (rice, cotton, corn, wheat, sunflower, etc.). It got listed on Tianjin Equity Exchange in 2011. The company has over 20 nationally registered varieties and a production base of 2000 hectares. The company boasts an annual output of 4 million kg, a room temperature storage capacity of 4,000 tons and low temperature and low humidity storage capacity of 500 tons.
14. **Hunan Keeplong Seeds** was vested with the qualification to engage in “integrated business of seed breeding, reproduction and marketing” and the right of import and export by the Ministry of Agriculture. With a production area of 31,000 mu (about 2066.67 ha), a transferred land area of 17,000 mu (about 1133.33 ha), and an entrusted land area of 140,000 mu (about 9333.33 ha), its annual seed production stands around 5 million kg and the seed quality is in full compliance with the relevant provisions of Crop Management Regulations and national technical specifications and requirements on seed production. The company boasts a total 12,259.89 square meters of processing plant and warehouse, 2,000 square meters of business area, about 3,000 square meters of threshing ground, and complete sets of seed processing and inspection equipment.

15. **Hunan Kanglong Biotechnology** is professional producer and supplier of plant extracts for the global health industry. With a strong research and development capability, the company can provide quality, stable, safe and reliable active substance for the industries of food, beverages, cosmetics, food supplements, health care products, and animal feed.
16. **Hunan Xuanye Ecological Agriculture Development** (the former Hunan Xuanye Investment Co., Ltd.) is mainly engaged in planting grain and other economic crops, the acquisition, processing, sales, investment in agricultural projects, agricultural technology development etc. The company consists of two wholly-owned subsidiaries, a research center and an agricultural industrial park, i.e. Hunan Xuanye Trading Co., Ltd., Xuanye (Laos) Sole Co. Ltd., and Laos Rice Research Center, wherein grains and other economic crops R&D, cultivation, acquisition, processing, logistics, international trade and other systemic chain of agricultural production has formed.

17. **Hunan Vigor Foods Bio-tech** is an integrated hi-tech private enterprise including R&D, production, promotion, deep-processing, sales, exports and imports of rare edible fungus. The Company has passed ISO9001-2008 notarization of quality management system. Its product has acquired organic-food certification under the Chinese Ministry of Agriculture and was awarded with Golden Prize by Central China (Hunan) International Agriculture Fair (CCIAF), which is well-received at home and abroad and win good reputation among the consumers.
18. Xiangxi Laodie Biotechnology, a leading enterprise in terms of the industrialization of high-tech agriculture, specializes in comprehensive development of the plant resources of west Hunan, such as kiwi and eucommia ulmoides. It produces more than 30 intensively processed products of 4 categories, including kiwi essence, kiwi spot essential oil, fruit juice, preserved fruit and fruit seeds biscuits, making it a leading enterprise in terms of kiwi intensive processing in China.

19. Hunan Jiayan Food Service, established in 1993, is a modern food service provider that specializes in the R&D, production and sales of raw materials for hotel specialty dishes and pre-made dishes for family feast. As a national standardized research base for pre-made Chinese feast dishes, it has developed over a hundred specialty dishes, and launched “Wanglanshu”, a leading brand providing raw materials for hotel specialty dishes, and other brands such as “Chushangchu” and “Xixile” to meet the demands of mass market.

20. Hunan Tea Group is a leading agro business in China specialized in tea production and engaged in the whole industry chain,
integrating tea cultivation, production, processing, marketing, research, and dissemination of tea culture. It is also a top 10 agro businesses in Hunan, a provincial high-tech enterprise, ranking the third in terms of overall strength in the tea industry. The group has ten business units, six overseas offices and 34 holdings (JVs), 12 refined tea factories, 74 quality tea bases in the province with a total area up to 34133 hectares. It is home to three R&D centers, namely, Hunan branch of the National Tea Processing Technology Development Center, Hunan Tea Planting And Processing Technology Development Center and Provincial-Recognized Enterprise Technology Center. It has established long-term and stable trade relations with clients from over 80 countries and regions.

21. **Hunan King Tea** is a leading enterprise in agricultural industrialization that integrates tea cultivation, purchase, processing, production and domestic and overseas sales. Its main products include “King Tea-Shennun Tea”, its own international teabag brand, and bulk tea for export. The company is also engaged in the export of agro-products with Hunan characteristics to Russia.

22. **HANDSUN Dark Tea** has two local tea factories in Yiyang
City, with 3000mu of self-owned mountain tea plantation and more than 20,000 m² of standardized production workshop. The company has been using Anhua local mountain tea leaves for the past ten years for making authentic Anhua dark tea. Produced in an ancient way inherited from the old days, HANDSUN Tea is mild and unique. It has been awarded national trademark protection, shaping design patent protection, and copyright protection for using. It entered “Hunan Tea Competition” in China Food Expo in 2014 and was awarded the only Gold Award.

23. Chenzhou Tongyuan Biotech, located in the Taiwan Industrial Park of Chenzhou High-tech Zone, is a high-tech enterprise committed to the research and development, production and sales of new fertilizers. The company currently has more than 20 domestic and foreign experts, 21 independent invention patents, 13 fertilizer qualification certificates of enterprise standard, national standard and industry standard and 17 registered trademarks. Besides, it has an advanced automatic production line of water-soluble fertilizer, a lab and a research and development center of new fertilizers and soil environment. It is also home to an organic fertilizer plant with an annual output of 30,000 tons, which can provide a full set of crop
cultivation techniques and precision fertilization solutions.

24. **Hunan Thersun Heat Energy Science and Technology**, established in 2011, owns 57 technical patents of microwave applications. The company is mainly engaged in the research and development, application, equipment manufacturing, sales, technical consulting and accessories services of microwave heat technology, the products of which can be applied in the microwave pyrolysis of various types of biomass, household garbage, industrial solid waste, and hazardous waste; microwave drying, roasting, synthesis, demulsification and pyrolysis of catalyst in petrochemical industry; microwave sintering and synthesis of ferroalloy materials, power cell materials and ceramic materials; microwave synthesis and purification of synthetic diamond and microwave drying and firing in magnetic materials industry.

25. **Hunan Yidao Supply Chain Management** established in 2016, is an integrated operator specialized in large-scale agriculture and agricultural supply chain investment and management. Its main businesses include large-scale agriculture and agricultural supply chain investment and management, research and development,
processing and sales of organic food (grain, etc.), international market development and food trade and investment and management of industrial and logistics parks.

26. **Yanker Shop Food** is a comprehensive enterprise specialized in food research, production, processing and sales. specializes in the leisure food industry including leisure bean products, dried fruits, candied fruit, nuts, leisure food, leisure meat products, pastry products, etc. The company has reached the leading level in the industry of raw material formula, production technology, technical equipment, quality standard, product quality and brand reputation. With the concept of "direct business super leading, distribution and following" marketing network development concept, a multi level, wide coverage and high efficiency three-dimensional marketing network has been formed. The sales area covers 31 provinces in China.

27. **Hunan Jinmofang Food** founded in 2002, the company adopts self production and self marketing mode of production, refuses to OEM, and every package company's products are derived from the company's own production base. We have 3 production bases, with a
total area of 65000 square meters of production plant, and nearly 1000 employees with nearly one thousand square meters of laboratory and new product research and development center. The company has a series of production licenses for a series of casual food products (fermented bean products, other bean products, non fermented soy products), meat products (sauce bittern products, meat irrigated products), leisure fish products, leisure fish surimi products, leisure vegetarian vegetable products and konjac products. At present, customers throughout the country, products are exported to the United States, Australia, New Zealand and Southeast Asian countries.
Cultural & Creative Industry

Industries such as broadcasting, animation, cultural and creative industries, publishing, and tourism have registered a rapid development in Hunan, among which, the broadcasting and publishing sectors take the lead in the country and the animation sector is also known nationwide. In 2017, the added value of cultural and creative industry in Hunan reached around 219.6 billion RMB, up by 14.9% year on year, accounting for 6.35% of GDP, making Hunan a leading player in the country. With years of rapid growth, the cultural and creative industry has become one of the pillar industries, multi-billion industries and strategic emerging industries in Hunan. Major market players, such as television, publishing, performing arts, animation, and arts and crafts, retain their competitive edge, while creative design, digital publishing, digital printing, new media and other new cultural market players continue to grow.

There are 75,300 entities in various cultural markets across Hunan, including 40,000 legal entities, among which, 2,325 are above scale. The sales revenue and total assets of both Hunan Publishing Investment Holding Group and Hunan Broadcasting System exceeded 10 billion yuan. 8 state-owned cultural enterprises administered by province achieved income of about 41.424 billion RMB in 2016, with
a total profit of 4.085 billion RMB. 8 listed cultural enterprises of Hunan formed a Hunan cultural squad in the Chinese stock market including China South Publishing & Media Group, Hunan TV & Broadcast Intermediary Co. Ltd and Happigo.

Hunan Broadcasting System has been ranked among "Asia's 500 Most Influential Brands" and the 5th in “Asia's 10 Most Influential TV Brands” by World Brand Lab. China South Publishing & Media Group, a listed company under Hunan Publishing Investment Holding Group, was rated as one of the World's Top 50 Publishers. Loved by the audience with its innovative, lively and happy characteristics, Hunan TV is the most watched provincial satellite TV channel in China. Hunan Publishing Investment Holding Group, Hunan TV & Broadcast Intermediary Co. Ltd. and Talkweb Information System Inc. were listed among Top 30 Cultural Enterprises in China. Tangel Publishing Co., Ltd. was ranked among the World's Top 500 Media Companies. Traditional products with rich cultural characteristics of Hunan such as firework, Hunan embroidery (or Xiang embroidery), Liling porcelain, black tea, Yuezhou fan, oil-paper umbrella and blue cloth with design in white and emerging cultural products such as radio and television programs, animation and games, e-schoolbag and pop-up books have become the main force driving Hunan's cultural
exports.

1. **Hunan Broadcasting System** is a large cross-media and cross-industry media group. It has ten television channels: Hunan Satellite TV, Golden Eagle Cartoon Channel, Hunan TV Fashion Channel, ETV, Hunan TV Urban Channel, Hunan TV Life Channel, Hunan TV Entertainment Channel, Hunan Film Channel, Hunan TV Public Channel, Xiaoxiang Film Channel; one film subsidiary: Xiaoxiang Film Group; five radio channels: Hunan Radio Traffic Channel, Economy Channel, Arts Channel, News Channels and Golden Eagle 955 Channel; three public journals: Golden Eagle Press Agency's Golden Eagle Daily, Legal Weekly, MangoPic; one comprehensive news website: Hunantv.com; and dozens of wholly-owned or holding companies.

2. **Hunan Publishing Investment Holding Group**, the former Hunan Publishing Group, was re-organized and listed in 2008. The company established China South Publishing & Media Group, which was listed in Shanghai Stock Exchange in October 2010 and became the first leading stock in publishing industry with a whole industrial chain. Its main business covers a variety of media, namely books,
newspaper, journals, audio-video products, electronic, network, animation, mobile-newspaper, digital newspaper, metro media, mobile media and television media with integration of editing, printing, publishing and supply.

3. **Hunan TV & Broadcast Intermediary**’s business scope includes: the releasing, agency service, planning and production of advertisements, the producing and distribution of television programs, and cable network information transmission services, as well as real estate, tourism, convention & exhibition and other services. The corporation has three branches of advertisement, TV program and network, relying on the resource advantage of Hunan TV’s seven major media, with hundreds of millions of audience in China and more than two million cable subscribers in Hunan province, forming the core competitiveness of its business. The corporation has more than 40 holding and joint stock companies, forming a business network with Changsha, Beijing, Shanghai and Shenzhen as regional centers which radiating its influence across the whole country, so that the business development can be sustained and healthy, and through capital expansion it is stepping forward to an integrated international cross-media and cross-regional media group.
4. **Hunan CATV Network Group** is the main cable network operator in Hunan Province, obtained the permit of basic telecommunication services based on cable TV networks issued by the National Ministry of Industry and Information Technology. At present, Hunan CATV Network Group has 102 county/city-level cable network companies and 1 long-distance transmission company, and its over 11,000 kilometers major fiber optic cable achieves full coverage of urban area and more than 80% coverage of villages and towns, with total assets of over 7 billion yuan, net assets of 3 billion yuan, cable digital TV users over 5.4 million households and an annual revenue exceeding 2.4 billion yuan.

5. **Hunan Sports Industry Group** is a large provincial state-owned culture enterprise approved by Hunan provincial people’s government in March, 2011 and became one of the eight culture enterprises under the management of publicity department, CPC Hunan provincial committee. The company currently has 10 second-tier subsidiaries, 22 third-tier subsidiaries and 8 fourth-tier subsidiaries and its main business covering sports media, general aviation, sports tourism, sports real estate, stadiums development and operation, sports equipment production, sporting events development
and operation, healthy food development and marketing, etc., which has formed a preliminary development system involving sports, culture, health and food.

6. **Hunan Performance Group** is a large state-owned culture enterprise approved by CPC Hunan provincial committee and Hunan people’s government, which consists of 8 institutions, namely Hunan Acrobat & Art Theatre, Hunan Theatre, Hunan Province Song & Dance Theater, Hunan Grand Theatre, Hunan Performance Group, Hunan Culture & Entertainment Center, Hunan Cultural Audio-Visual Publishing Company and Hunan Cultural Materials Company. It has created a glorious past for Hunan’s culture and is writing a new chapter of Hunan culture development and prosperity.

7. **Macrolink Group** was founded in October, 1990. After 28 years’ continued fast development, the Group has established a solid presence across sectors including real estate, mining, petroleum, chemical engineering, investment and finance. In 2017, its total assets exceeded 130 billion yuan, with a turnover of 83.378 billion yuan and tax nearly 5 billion yuan. It owns over 100 enterprises including 10 public-listed companies. The Group boasts 14 Renowned Brands of
China, such as “Macrolink Culturaltainment”, “DongYue Refrigerants”, “Jinliufu Liquor”, “Macrolink Ceramics”, “Shangrila Zangmi” and “Red Imperial Kiln”. It holds over 6000 patents and has over 65,000 employees. Measured by comprehensive strength, the Group has ranked among the “TOP 500 Chinese Companies” and “TOP 100 Chinese Private Companies” for 14 consecutive years.

8. Talkweb Information System Inc. (Talkweb Information), determined to make an innovative technology company since its inception in 1996, is a mobile internet company focusing on online education and mobile games, with subsidiaries or branches in Beijing, Shanghai, Shenzhen, Hong Kong and South Korea. In 2008, Talkweb Information was successfully listed in Shenzhen Stock Exchange.

9. Tangel Culture, whose predecessor could date back the early 1980s’ book business of Huangnijie Book Market, one of then China’s Top Four Book Markets, and was once engaged in the traditional book distribution industry, was founded on August 18, 2003. At present, based on textbooks and teaching guidance materials, the company is devoted to providing excellent resources and services in education and entertainment, so as to spread and inherit quality culture. On
December 15th, 2010, Tangel was listed in Shenzhen Stock Exchange GEM (stock code: 300148), known as "China’s No.1 Private Publishing Medium".

10. **Xin Printing Technology** was founded in 2017. business scope includes: office equipment and printing consumables, network technology, computer software technology research and development; the development and construction of e-commerce platform; archives management and archives digital processing; duplicator, printer, office equipment manufacturing, rent, sale and online sales; printing consumables and production, sales and online sales of accessories and office supplies; computer graphics design, production, copying, painting, and drawing services; packaging and printing and other printing and design; advertising design, production, agency, release; import and export of goods and technology. It is also engaged in except for goods and technologies that can be operated or prohibited from import and export; supply chain management and services; government procurement agents; design and planning of books and periodicals; retail, wholesale, and delivery services for books, electronic publications and network publications; conference and exhibition services; office equipment, machinery and equipment.
Remanufacturing, professional cleaning, repair and maintenance services.

11. Hunan China International Travel Service

China International Travel Service Limited, Head Office (CITS), previously known as China International Travel Service Head office, was founded in 1954 and is currently the largest and the most reputed travel agency group in China and the only tourism company ranked among the country’s Top 500 Enterprises by the National Bureau of Statistics. It is now one of the two major subsidiaries under China International Travel Service Co., Ltd. In 2016, according to the 13th Five-Year Plan on enhancing the networking between the central enterprises and the provinces and cities, CITS established Hunan China International Travel Service Co., Ltd. in Changsha, Hunan on June 15, 2016. Since its establishment, Hunan CITS has set up branches in Yueyang, Liuyang, Loudi, Shaoyang, Hengyang, Chenzhou, Yongzhou, Zhangjiajie, Changde, Huaihua and Yiyang and nearly 200 service outlets across the province. Hunan CITS has been awarded the Advanced Land Operator and the Travel Agency Award at the scale level by the CPC Changsha Municipal Committee and Changsha Municipal People’s Government in 2017 and the “Five-Star
Travel Agency” by Hunan Tourism Development Commission. It has been ranked among the 2017 Top Ten Land Operators in Changsha City in 2018.

12. Xiangmengyou (Beijing) Network Technology Registered in 2018, Xiangmengyou (Beijing) Network Technology specializes in e-commerce, tourism and technology with its businesses including network platform, tourism product and service, chartered airplane planning, tourist attraction development and promotion. It has a new-type tourism operation system by using network technologies to conduct tourism business activities, such as tourism products information services and trading. It is an international tourist agency with all travel services qualified for outbound, inbound and domestic tourism approved by National Tourism Administration. The company has advanced business philosophy, professional marketing teams, standardized operation modes, dedicated tour guides and complete after-sales services, and is highly recognized by the market and tourists, thus becoming a large-scale, professional and honest tourist agency in Hunan who is qualified to organize outbound, inbound and domestic tourism. On the basis of advanced computer network and communications technology as well as e-commerce, the company
integrates the internal and external resources of travel agencies, promotes the dissemination of tourism information and realizes online release and sales of tourism products, so as to provide a platform for knowledge sharing, exchanges and communication for both tourists and tourism enterprises.

13. Hunan Palm Xunlong River Travel is a professional company dedicated to “Rural Revitalization Xunlong River Model” planning and “Internet +Integrated Tourism” investment and management. The company was established in January 2016, registered in Changsha County, Hunan Province and has a registered capital of 50 million yuan. Based on the project of Xiaolong River Eco-Art Town, the company has developed a planning system for “Rural Revitalization Xunlong River Model”, and created the “Internet + Integrated Tourism” model, forming a complete system integrating project planning, investment, operation, service and supervision. Based on the success story of rural revitalization in the Xunlong River, the company has created a “Rural Revitalization Xunlong River Model” project planning and output system, and relied on the original ecological resources of the 933-hectare Xunlong River Eco-Art Town to adopt a light asset platform operation and Internet
operation model. Through “building platforms, setting standards, guiding tourist flow, and providing services”, the company aims to attract, integrate and introduce talents, projects, and capital, creates a new business model of “Internet + Integrated Tourism” that involves all sectors, all areas and comprehensive supervision and duplicate its model to other places in China.

14. Zhonghuilv Smart Scenic Site Management (hereinafter referred to as ZHL, stock code: 834260) was co-founded in March 2007 by Sheng Jianhua and Xiao Peiyu, etc. The main business of ZHL is operation and management of scenic sites, and the scope of its business include tourism service, travel planning, smart scenic site system, and tourism investment and operation management. ZHL was listed on NEEQ in 2015. ZHL owns more than 30 hotels in scenic sites and in China.

ZHL is an integrated service provider for tourist destinations, a PPP projects delivering expert, and a national hi-tech enterprise. ZHL holds over 100 patents and copyrights, and provides all-in-one services including Scenic Site planning and designing, Scenic Site operation and management, tourism e-commerce cloud platform R&D and operation, smart scenic site system output, and tourist PPP project
15. Shaping Yuling Hunan Embroidery is a large modern enterprise that integrates research, design, manufacturing, and marketing. "Yuling Hunan Embroidery" has been awarded as Famous Trademark of Hunan Province and Famous Brand of Changsha City. There are 6 branches under the company, including Yuling Hunan Embroidery Complex, Hunan Embroidery Art Museum of China, Hunan Embroidery Global Business Department, and Yuling Hunan Embroidery Art Training School. With more than 800 professional embroidery artisans, 5,000 square meters of exhibition area and an annual output of 50 million Yuan, the company produces over 20,000 kinds of products, including upscale double-sided embroidery, single-sided embroidery, double-sided embroidery with varied colors and patterns, folding screen, carved table screen, cheongsam, clothing, and other daily embroidery products, which are well-received at home and abroad.
Integrated services for economic and trade cooperation

1. Kilimall was established in 2014 in Kenya with a vision of to become the No.1 online shopping center in Africa, serving 1.3 billion people. To achieve this vision, Kilimall since then has developed cost-efficient online selling channels for exports to Africa, with online payment platform, warehouse and logistics services. Kilimall is helping Chinese vendors and brands to expand their business in Africa. It is also improving the living standards of Africans, thereby creating a win-win partnership between Africa and China.

2. Hunan Chinese Overseas Home Information Technology is an international platform dedicated to providing professional services for Chinese companies to develop business aboard and introduce overseas resources. At present, our platform “Chinese Overseas Home” is an online platform dedicated to pooling Chinese overseas talents from all fields of industries. The platform has over 70,000 registered Chinese overseas talents in 90 countries in the world, of which 80% are in 54 countries and regions of Africa. With 13 overseas offices, we are now the biggest platform for overseas Chinese in Africa. Our team has more than 10 years of overseas work experience.
By pooling our resources of overseas talents and local partners, we provide overseas human resource service and overseas business matchmaking service for more than 300 Chinese companies to develop business overseas and dozens of overseas companies to develop business in China, including China State Construction Engineering Corporation, Zoomlion, Sunward Intelligent Equipment and other reputed domestic enterprises. We currently operate 3 online platforms, including “Chinese Overseas Home” official account on WeChat, “Chinese Overseas Home International Human Resources website”, and “Chinese Overseas Home International Business website” and 13 overseas offices. We provide professional overseas HR services and one-stop solutions for enterprises to go global.


The International Trade Base for Overseas Personnel has been launched on 21st June 2018. It is a public service platform for international trade, overseas government organizations, overseas enterprises and overseas individual investors, approved by the Changsha Municipal Government. It is operated by Hunan Huayou Times Enterprise Management and Service Co., Ltd. Currently enterprises from 28 different counties have settled in, including
Nigeria, Cameroon, Yemen, Ecuador, Uzbekistan, Saudi Arabia, Russia, United States, United Kingdom, Canada, Mongolia, India etc. We focus on building an international economic and trade business platform for the “Belt and Road Initiative”, and a China-Africa economic and trade service platform. In addition to culture exchange, we introduce foreign high-quality products to China, and help high-quality Chinese products go global. Based on the one-stop service of the base, through the product supplier system and distribution system, we aim to help overseas investors to set up companies, and realize one-stopprocumbent of Chinese products and one-stop distribution of foreign products, so as to realize international trade liberalization and international market operation integration.

4. HITAL International Transportation Agent. Founded in May 1996 and headquartered in Changsha, Hunan, HITAL International Transportation Agent has a registered capital of RMB 30 million and over 400 employees. The company's business covers sea and air freight services, customs and inspection declaration, warehouse management, domestic transportation, international trade, supply chain management, information services, international express delivery, insurance agency, and integrated foreign trade services. With
over 20 wholly-owned subsidiaries and branches in China and more than 150 agent networks across the world, the company boasts a mature and competitive network platform and stands out among its peers in Hunan. In 2014 and 2015, the company was certified as a customs clearance agency and an integrated foreign trade service provider successively by the government. By 2018, the company has been granted the approval to build 34 provincial or higher level integrated foreign trade service centers in Hunan Province and has served over 5000 enterprises. It is committed to building an integrated and trustworthy online-to-offline foreign trade service platform to provide services for enterprises, especially SMEs, that cover various links of foreign trade, including customs clearance, logistics, financing, tax refund, foreign exchange settlement, credit insurance, etc.

5. **Changsha Overseas Investment**, under the background of "the Belt and Road" and guided by Hunan Commercial Department, is a wholly state-owned company established by Changsha Economic and Technological Development Zone. Beginning with the Ethiopia-Hunan (Adama) Industrial Park and aiming to promote Hunan companies to "go out" for international capacity cooperation,
Changsha Overseas Investment Co., Ltd is a functional company with integrated public service platform nature, whose main business scope is overseas industrial park investment, operation and management, and business consultation.
1. Changsha Economic and Technological Development Zone was founded in August 1992, and was approved by the State Council in February 2000 as a state-level economic and Technological Development Zone. The park has a planned area of 100 square kilometers, with three industrial parks of Xingsha, Lang pear and Huanghua, and has an area of 32.6 square kilometers. Since the construction of the District, the park has adhered to the development ideas of "industrial area, industrial development area, investment promotion area, strong scientific and technological area, construction and expansion area and harmonious safe area", which has preliminarily stepped out a high speed, high technology and high efficiency scientific development road. By the end of 2012, there were 497 enterprises in the whole region, including 109 Industrial Enterprises above scale, 54 enterprises with annual output value of more than 100 billion yuan, 14 enterprises over 1 billion yuan, and 26 of the world's top 500 enterprises. The industrial development pattern of construction machinery, automobiles and parts, electronic information, new materials, food and beverage, light printing and packaging has been formed. Changsha Economic Development Zone has become an important growth pole and core driving force for
Changsha and even Hunan's industrial development.

2. **Liuyang Economic and Technology Development Zone**, formerly known as Liuyang Industrial Park, was founded in 1997, and was renamed Liuyang Biological Medicine Park in September 2001. In October 2006, it was approved by the national development and Reform Commission as the first national bio-industrial base in the central and western regions; in October 2010, the State Ministry of science and technology was approved as the only national innovative drug hatching base in the central and western regions. In March 2012, approved by the State Council as the national Economic and Technology Development Zone, it has become an important growth pole for the development of Hunan's high-tech industry. In 2015, the park jumped into the top four of the Hunan Industrial Park and became a new 100 billion Park in Hunan; the overall strength of biological medicine ranked fifth in the national biological industry base. In 2016, the comprehensive competitiveness of the park ranked third in Hunan province. The regional competitiveness, the proportion of high and new technology output value and the structural optimization were ranked first in Hunan province. It was approved to be the first batch of Hunan province's double creation demonstration
base, "bio medicine characteristic industrial park" and "electronic information characteristic industrial park", and the only electronic letter in Hunan province. The new industrial industrialization demonstration base of the rest countries has been selected as the national transformation and upgrading demonstration zone of the Yangtze River economic belt.

3. Hunan Yuanjiang Hi-Tech Industrial Park located in Yuanjiang, Hunan Province, is a provincial hi-tech industrial Park approved by Hunan Province Government in April 2012, has a planned area of 10 square kilometers. In 2012, the total industrial output of the park exceeded 10 billion yuan for the first time, and ranked among the Top 20 comprehensive strength of similar parks in Hunan Province. In 2013, it was rated as the Top 10 Investment Value Economic Parks of Hunan Province. In 2017, the Gross value of industry reached 25 billion yuan, Among this ,the Gross value of large industry reached 23 billion yuan, and actually paid taxes 17 million yuan. Up to now, there is 135 enterprises in the park, mainly divided into Machinery Industry lead by Zoomlion Heavy Industry Company, Food Industry lead by Hot Girl Food Company, Clothing Industry lead by Xinma Clothing Company, and Shipping industry lead by
4. Hunan Lugu International Medical Device Industrial Park

is a modern specialized park integrating production, R&D, technology trade and incubation, inspection, exhibition and industrial communication etc. The whole building area is 270,000 m². Up to now there are about 150 medical device enterprises in the park producing over 300 types of products; the main products include self-use oxygen generator, medical centrifuge, protein surgical suture, automatic biochemical analyzer, biochemical reagent, rehabilitation instrument, medical dressing, infusions, syringe and so on. The total output value is 4.48 billion RMB in 2017. And it is the president of Hunan Association for Medical Devices Industry, the president of Hunan High-tech Zone Biomedical Industry Alliance, a key 10 billion-yuan park listed in the 13th Five-Year Plan for the Biomedicine Industry in Hunan Province. It ranks first among the top 10 best medical device parks selected by China Medical Device information (http://www.cmdin.cn/) and the title of “Best Medical Device Industry Park in China”. It was awarded as “A Core Service Organization for SMEs and Micro-Enterprises in Hunan Province” by Hunan Provincial Economic and Information Committee.
5. **Bank of China** is one of China’s four state-owned commercial banks. Its businesses cover commercial banking, investment banking and insurance. Members of the group include BOC Hong Kong, BOC International, BOCG Insurance and other financial institutions. The Bank provides a comprehensive range of high-quality financial services to individual and corporate customers as well as financial institutions worldwide.

6. **ICBC (Industrial and Commercial Bank of China) Hunan Branch** has been a leading bank worldwide in terms of total asset and profit. The bank provides high quality and integrated service for global and domestic clients and endeavors to achieve co-prosper. ICBC was established on January 1st 1984. On October 28th 2005, the bank was wholly restructured to a joint-stock limited company. On October 27th 2006, the bank was successfully listed on both Shanghai Stock Exchange and the Stock Exchange of HongKong Limited. Through its continuous endeavor and stable development, the bank has become into the top largest bank in the world. The pattern of internationalized and diversified operation was further improved; covering 45 countries and regions, as well as purchasing 20% stake of the Standard Bank of South Africa which made us become the biggest
shareholder. The bank regards service as the very foundation to seek further development and has made efforts to build a “bank to satisfaction of customers” while providing a wild range of finance products and services to 5,784 thousand corporate customers and 530 million personal customers. ICBC Hunan Branch is one of the most significant branch in the central China area. By the end of 2017, ICBC Hunan Branch had 541 physical outlets with nearly 13,529 employees. The outstanding domestic and foreign currency loans reached RMB 319 billion (US dollar 50 billion), while the balance of domestic and foreign currency registered RMB 434 billion (US dollar 68 billion).

7. China Construction Bank Hunan Branch, was established on 1954, it is a large state-owned bank under the central government and one of China's four largest Banks. China construction bank, the main business areas such as banking, personal banking business and capital business, in Hong Kong, Taiwan, Melbourne and other places has offices. It owns construction credit fund, construction credit leasing, construction credit trust, construction credit insurance, Sino-German housing savings bank, China construction bank Asia, London, Russia, Dubai, and China Construction Bank international and many other subsidiaries, providing comprehensive financial
services to our customers.

8. **The Export-Import Bank of China** is a state-funded and state-owned policy bank with the status of an independent legal entity. It is a bank directly under the leadership of the State Council and dedicated to supporting China’s foreign trade, investment and international economic cooperation. With the Chinese government’s credit support, the Bank plays a crucial role in promoting steady economic growth and structural adjustment, supporting foreign trade, and implementing the “going global” strategy. It is committed to reinforcing financial support to key sectors and weak links in the Chinese economy to ensure sustainable and healthy economic and social development. By the end of 2016, the Bank has 29 domestic branches and one domestic representative office in Hong Kong, four overseas institutions, namely, the Paris Branch, Representative Office for Southern and Eastern Africa, Representative Office for Northern and Western Africa, and St. Petersburg Representative Office.

9. **China Development Bank (CDB)** was founded in 1994, registered capital of RMB 421.248 billion. CDB provides medium- to long-term financing facilities that serve China’s major long-term
economic and social development strategies. By the end of 2016, its assets grew to RMB 14.34 trillion, a balance of loans of RMB 10.32 trillion. We also further enhanced our sustainability and risk management, delivering a net profit of RMB 109,667 million, ROA of 0.81%, ROE of 9.82%, and capital adequacy of 11.57%. Professional credit rating agencies including Moody's and Standard & Poor's have rated CDB at the same level as China’s sovereign rate. CDB is the world’s largest development finance institution, and the largest Chinese bank for foreign investment and financing cooperation, long-term lending and bond issuance. CDB currently has 37 primary branches and 3 secondary branches on the Chinese mainland, one offshore branch in Hong Kong and five representative offices in Cairo, Moscow, Rio de Janeiro, Caracas and London, with about 9,000 staff. Its subsidiaries include CDB Capital Co., Ltd., CDB Securities Co., Ltd., CDB Leasing Co., Ltd. and China-Africa Development Fund Co., Ltd.

10. China Export & Credit Insurance Corporation (“Sinosure” in short) is a state-funded policy-oriented insurance company established and supported by the state to promote China’s foreign economic and trade development and cooperation. With the
independent legal person status, it was officially operated on December 18, 2001 and its service network covers the whole country. The business tenet of Sinosure is: “By means of export credit insurance against non-payment risks, promote Chinese exports of goods, technologies and services, especially high-tech and high-value-added capital products such as mechanical and electrical products, thus further support foreign trade and economic cooperation, economic growth, employment, and international balance of payments.” The main products and services include: medium and long-term export credit insurance, overseas investment insurance, short-term export credit insurance, domestic trade credit insurance, bonds & guarantees related to export credit insurance, accounts receivable management, and information consultation.

11. Hunan University of Commerce (HNUC) is a full-time provincial university with diverse disciplines covering economics, management, law, liberal arts, natural science, engineering, and arts, among which economics and management are its two pillar disciplines. It is the only one which has an academician in it among all the colleges and institutes in China. The university occupies a total area of 903438 square meters (or 1355.158) with a floor space of over 480,000
square meters, equipped with 100 million RMB worth of teaching facilities and over 2 million volumes of library stock. The University encompasses 14 colleges and departments, 70 scientific research institutions. College of Beijin, one of the earliest independent colleges approved by National Ministry of Education, is attached to HNUC. Currently, over 21,000 students are enrolled on campus. We are developing international collaborative programs on academic research and scientific and technological innovation with foreign universities and institutions in as many as 15 countries like USA, UK, Ireland, Australia, New Zealand, Holland, South Korea, Thailand and so on.

12. Hunan Airport Management Group is a large state-owned air transport service enterprise directly subordinate to the Hunan provincial government. It is responsible for operating and managing the Hunan Airports, and the overall planning of development of airports in the province. By the end of 2016, the Group has 5160 employees with total firm capital of 13.8 Billion RMB. The Group has two subsidiaries of Airport Joint-stock Company and Airport Industrial Company, and one wholly-owned Subsidiary of Airport Economic Development Company. The Airport Joint-stock Company has governed five airports as Changsha Huanghua International
Airport, Zhangjiajie Hehua International Airport, Changde Taoyuan Airport, Yongzhou Lingling Airport and Huaihua Zhijiang, and the Headquarter of Hunan airport expansion construction projects, it is responsible for all aviation business of the airports above; the Airport Industrial Company is responsible for all the non aeronautical business of airports; the Airport Economic Development Company is mainly responsible for the planning and construction of the aeronautical city and the development of airport economic industry. Additionally the Hunan Airport Management Group is commissioned by the Hengyang and Shaoyang municipal governments to manage Hengyang Nanyue Airport and Wugang Airport.

13. **Hunan Gaoqiao big market** was officially opened in 1996. with more than 1000 Chinese mile of market land area, more than 6000 households with high quality operators and more than 150 thousand people from industry, and annual trading volume. 100 billion yuan, bear the Hunan 70% daily necessities consumption transaction, is the third largest comprehensive market in the country and the largest, the most mature 100 billion trade and commercial industry market cluster in central and South China. At present, Hunan Gaoqiao big market consists of eight major professional markets, such as Wine
and Food City, Hotel Supplies City, Modern Trade City, Clothing Home Textile City, Stylistic Goods City, Tea and Tea Set city, Medical Circulation Park and Agricultural and Sideline Products City. The product category covers sugar wine, non-staple food, tea, daily chemicals, household appliances, department stores, computers and leather goods. Jewelry, style, toys, herbs, medical equipment, grain and oil, dry goods, clothing, home textiles and so on 1 million 700 thousand kinds.

14. **Changsha Qimei Coffee** founded in 2007, has more than 10 years, which is a service operators as one of business coffee raw material, coffee equipment, water purification equipment, drink equipment, milk raw material supplier provide the below services just as retail, wholesale, distribution, storage, research and development, planning, design, training. We have developed own brands : Qimei Tea, Yongsheng, Haoyiyuansu, Jiaximo for these years. The well-known brands we represent: SANREMO semi-automatic coffee machine, Yourui automatic coffee machine, Weizhen water purifier, Dafenqi, Heibai, Haoyou, Yifang. The annual sales of Hunan and Hubei exceeded one hundred million, with more than 200 employees. There are nearly 1000 franchised stores in China. A total of 1000 tons of
coffee beans were sold throughout the year. The main cooperation partners are the large chain enterprises such as Man coffee, Lanji, Guangyuan and so on.

15. Changsha Shengye Information Technology is established in 2017, which is a professional coffee beverage system operator. We could provide the following services to the customers: business planning, store design, store decoration, products training, new products development, equipment supply, raw material distribution, one stop system integration services. The well-known brands we represent: Italy Nuova APPIA12 semi-automatic coffee machine, Delux 11L coffee machine, Aihuipu Water Purifier, Heibai, France Sport and so on. The sales exceeded 10 million every year and have more than 100 partners and dealers. The main cooperation partners are Jinniujiao, Luoman Cake, Shangdao, Ludao, Chayuhuajian and other large chain enterprises. Also we are the organizers of World Barista Competition Changsha Division last year.

16. Shaodong Longyuan Trade, located at Shaodong County, Shaoyang City, was established in 2003. It is an international trade company with businesses in garment, building materials, cases and
bags, auto parts, food and hardware. It has branches in China, Thailand and Indonesia, and its market has expanded into South Asia, Africa, and Europe.

17. Hunan Xinguang International Investment was established in 2011 with a registered capital of 80 million RMB yuan. Its shareholders include Hunan Tongsheng Construction Co., Ltd. under Hunan Road and Bridge Construction Corporation, Changsha Hengyi Investment Co., Ltd. and other individual natural shareholders. The company is mainly engaged in industrial investment, import and export, and business consulting. The company short-term goal is to develop building materials, transportation, civil engineering and other markets in Africa. At present, the company’s 1000t/d cement production line with a total investment of 60 million USD in Congo (Brazzaville) has been put into operation.

18. Hunan Bosen Industrial Group was set up in 2010, whose headquarter is located in Hunan Technology Building, state-level sci-tech achievements incubator. With the registered capital of 600 million RMB, Bosen Group currently possesses 8 wholly-owned subsidiaries, 3 holding companies and 3 joint stock companies, and
mainly engages in the business of investment, trade, high and new technology, real estate, city resources operation, industrial park economy, and overseas market. Bosen Group is one of top 500 private enterprises in China, and top 100 private enterprises in Hunan. In addition, Bosen Group has been awarded as key enterprise of strategic emerging industry in Hunan, new industrial enterprise in Hunan, model enterprise for undertaking industrial transfer in Changsha, key enterprise of government “two supports and two promotes” in Changsha, etc. The industry spreads across many cities in China, including Changsha, Ningxiang, Hengyang in Hunan Province, Yixing in Jiangsu Province and Shenzhen in Guangdong Province, as well as many countries abroad, including Italy, UAE and Ukraine.

19. Hunan Lishi Technology mainly offers business solutions for the three customer bases including energy, traffic and finance. As for the electric power customer base, the company mainly supplies the network distribution and communication solution, wireless integrated communication solution, comprehensive solution of power environment in the machine room of a substation and comprehensive solution of dispatching data network; as for the customer base of urban rail transit, the company mainly supplies the exclusive
communication system solution for police and monitoring solution; as for the financial customer base, the company mainly supplies the comprehensive integrated solution based on ICT infrastructure.

20. **Hongyuan Institute of Economic and Trade** (Economic and Trade Promotion Center of Hunan Province) was established in March 2012 as SMEs in Hunan, approved by Hunan economic and information Committee. Its major functions are international cooperation, policy advisory, business tour organization, international exhibition and research and promotion of investment introduction for Hunan enterprises, especially SMEs. It also undertakes related research analysis and promotion work for other government departments, and provides reference for the government to make trade-related development policies.

21. **Changsha Haotian Health Industry Development** is the wholly owned subsidiary of China Railway Haotian Shareholding Co., Ltd. It is approved and registered on April 12, 2018 by Liuyang Market and Quality Supervision Authority. And it is located in the State-level Economic and Technological Development Zone with the registered capital of 100 million yuan. The company adheres to the
corporate culture of integrity, pragmatic, pioneering and innovation, giving full play to the enterprise spirit of being brave to overcome difficulties and pursuing outstanding achievements. Combined with various advantages of Liuyang Economic and Technological Development Zone, Changsha Haotian is committed to create an International Health Industrial Park with high standard, high profile and high starting point. The International Health Industrial Park will set up five functional areas which are Science and Technology Industrial Area, Industrial Supporting Area, Commerce and Exhibition Area, Logistics and Warehousing Area, and Electronic Business Area respectively. After production, the output plan within five years will exceed 50 billion yuan. And the annual taxes will achieve 4 billion yuan above.

22. **Aerospace Kaitian Environmental Technology** (Aerospace Kaitian) is a China Aerospace Science and Industry Corporation (CASIC) holding company. CASIC is a large state-owned hi-tech enterprise that under direct administration of central government, ranks 381 in world’s top 500 enterprises. CASIC owns multiple national key laboratories, technical innovation centres, technical achievement incubation centres, established professional and
well-equipped scientific research and production systems. It is a comprehensive environmental service provider that devotes to environmental planning, environmental products R&D, manufacturing, engineering and operating. Aerospace Kaitian Environmental Technology Group consists of 5 divisions, 12 branches, 10 subsidiaries, 1 research institute and 4 industrial parks, has over thousand employees. Aerospace Kaitian in mainly engaged in industrial environment treatment, atmospheric environment treatment (PM2.5 treatment), heavy metal waste water, air and residue treatment, soil remediation, sewage treatment, rural environment management, environmental service, Solid waste disposal and other environmental business.

23. CHEKU Net endeavors to fulfill its industrial ideal of Resources sharing and channels sharing by employing the Internet-Plus mode. Through Internet, we would like to provide the whole parallel import car industry with various advanced resources accumulated by companies in the original car industry. And at the same time, in order to offer the most comprehensive services to users, we dedicate ourselves to build a platform that serves the whole parallel import car field. CHEKU Net’s major business lies in
overseas purchasing, port wholesale and domestic retail of the parallel import cars. We provide registered dealers in all platform with all services in the parallel import car industry. These services include: financial support (such as the opening of L/C, TT, pledge of bulk commodity, domestic trade finance, logistics finance and inventory finance); logistics support (customs declaration and inspection, warehouse transportation); exhibition display (maker space, city experience store, VR experience museum) and technological support (ERP management system, transportation system, OA platform, club platform).

24. HuaShun safety & security is a new provider of safety & security decision-making and service, in the integration of internationalization, specialization and technicalization. HuaShun with an industry mode of “internet+” offers safety & security service and consulting assessment, advanced security dispatching, emergency handling and technology equipment service, etc. To meet the demands of international and regional safety & security by the way of train leading, technique supporting and linkage safeguarding to serve international community.
25. **Go-Shine Manpower** established in 2004. The corporate headquarters located in Changsha, Hunan. We also had branches in Pekin and Xinjiang. We dispatched more than 10 thousand engineers and construction professional workers to overseas counties from establishment. They came from across the country, who worked in more than 30 Africa and Asia countries.

26. **Hunan Topview International Communication** is a professional HR service supplier approved by the Department of Commerce of Hunan Province with the qualification of international labor cooperation. The Qualification license No. is Lw43002016x00x. It is focused at the International labor service with more than 20 years experience of HR service. The registered capital of the company is ten million RMB. Now, It has the representative office in Germany in charge of its EU market.

27. **Hunan Zhongyu Enterprise Management** was established in 2011 with a registered capital of RMB 6 million. It is a private company with an independent legal personality which was approved by the Trade and Industry Bureau of Hunan Province. Its main business is labor dispatch service. The service network covers the
United States, Japan, Nigeria, Germany, China (Macao) and other countries and regions.

**28. Changsha Star Real Estate** was founded in 2015, its predecessor is Hunan Railway Real Estate Development Co., Ltd. is a real estate development and management as the core, involving property management, real estate consulting, comprehensive private enterprise management services in the field of land. The company currently has a variety of senior professional and technical personnel more than 30 people in the engineering management, engineering, financial management, marketing planning, property services and other aspects of a mature management experience.

**29. Hunan Hongxing International Exhibition.** Founded in 2003, Hunan Hongxing International Exhibition Co., Ltd. is a wholly-owned subsidiary under Hongxing Industry Group Co., Ltd., a national key leading company of Agricultural Industrialization. As a specialized and market-oriented enterprise providing intensive and comprehensive exhibition service, it integrates exhibition organizing, conference affairs, exhibition venue provision and service. Changsha Hongxing International Exhibition Center covers an exhibition area of
50,000 square meters. It holds more than 10 large-scale exhibitions annually and undertakes more than 120 exhibitions of various kinds, with an annual exhibition scale of nearly 1 million square meters. In particular, the Central China (Hunan) Agricultural Expo initiated in 1999, has been held for 20 consecutive sessions, with more than 200,000 kinds of exhibits, over 230 billion yuan of transactions and 21 million participants. It is the first Agricultural Expo in China that has been certified by the Union of International Fairs (UFI). Meanwhile, the company and its Changsha Hongxing International Exhibition Center are member enterprises certified by UFI. It is a large-scale comprehensive exhibition enterprise in central China, also a star exhibition enterprise with rapid, sound and sustainable development.

30. **Hunan Jingyang Logistics** was founded in 1998 with a registered capital of 60 million yuan. It follows the principle of integrity and has its own logistic base, information system, complete service system and operation technologies. As a third-party logistics enterprise, it offers services including road transport, warehouse management, regional distribution, logistics management, logistics information service and supply chain management supported by its Jing Yang Logistic Center. The company is a standing director unit of
China Federation of Logistics & Purchasing (CFLP), pilot base of the modern logistics service of the medium and small corporation recognized by the National Development and Reform Commission, Deputy Chair of Professional Committee of Logistic Finance, CFLP. The company carries out the ISO9001 international quality management system and has passed the certification. It has also been assessed as an AAAA-level logistics company by CFLP.

31. **Hunan Zhongyou Logistics**, a subsidiary of China Post Group Corporation, is a modern and comprehensive logistics service enterprise. Based on the advantages of abundant network resources and professional logistics operation experience, it can provide both comprehensive logistics service and customized logistics solutions. Our annual business revenue is about 0.4 billion RMB. We are cooperating with Fortune Global 500 companies and the provincial leading companies, and our partners include Bosch, Zoomlion, China Tobacco Hunan Industrial Corporation, Sinopec, Hengan Paper Industry and Red Dragonfly Shoe Company. At the same time, as a SOE, we actively implement the national strategy of “Belt and Road Initiative”. In 2018, we arranged China-Europe Express trains in many major cities of China to provide comprehensive cross-border services.
Based on the network advantages and vehicle resources of China Post, door-to-door road transport services of various vehicle types can be provided. In the meantime, with our storage bases and years’ storage management experience, we can provide customers with storage, tallying, VMI and delivering upon landing services.
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