

# Changsha

#### Changsha is a central link between the coastal areas and inland China

- Changsha is the capital as well as the economic, political and cultural centre of Hunan province. It is also one of the largest cities in central China(a)
- Changsha is located at the intersection of three major national highspeed railways: Beijing-Guangzhou railway, Shanghai-Kunming railway (to commence in 2014) and Chongqing-Xiamen railway (scheduled to start construction before 2016)
- As one of China's 17 major regional logistics hubs, Changsha offers convenient access to China's coastal areas; Hong Kong is reachable by a 1.5-hour flight or a 3-hour ride by CRH (China Railways High-speed)

#### Changsha is well connected to inland China and the world economy(b)

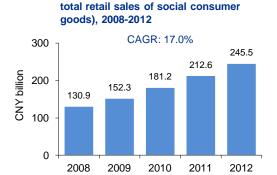
Domestic trade (total retail sales of consumer goods)	CNY 245.5 billion	Total value of imports and exports	USD 8.7 billion
Total value of logistics goods and y-o-y growth rate	CNY 2 trillion, 19.3%	Value of foreign direct investment and y-o-y growth rate	USD 3.0 billion, 14.4%
Total number of domestic tourists and y-o-y growth rate	79.9 million, 34.7%	Number of Fortune 500 companies with direct investment in Changsha	49

(a) Central China area includes Hunan Province, Hubei Province, Jiangxi Province, Anhui Province, Henan Province and Shanxi Province (b) Figures come from 2012 statistics

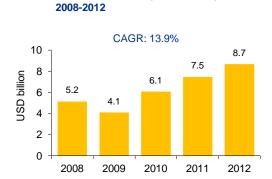
Sources: Changsha Bureau of Commerce; Changsha 2012 National Economic and Social Development Report



Map of Changsha and its friendship cities around the world



Growth of domestic trade (measured by



Total amount of imports and exports,

Sources: Changsha Bureau of Commerce; Changsha 2012 National Economic and Social Development Report; Changsha Bureau of Statistics



# Many multinational companies choose Changsha as a bridge to access the China market

# **Europe**

- Carrefour, France
- Danone, France
- Veolia Environment, France
- HSBC, UK
- Fiat, Italy
- Arcelor Mittal, Luxembourg
- Volkswagen, Germany
- Metro, Germany
- Bosch, Germany
- Siemens, Germany
- Nokia, Finland
- A.B. Inbev, Belgium

### North America

- Citi, USA
- Cisco, USA
- Honeywell, USA
- McDonald's, USA
- Pepsi, USA
- Magna, Canada

# Japan and South Korea

- Marubeni, Japan
- Mitsubishi Heavy Industries, Japan
- Sumitomo, Japan
- Itochu, Japan
- NEC, Japan
- Suzuki, Japan

- Toyota, Japan
- Hitachi, Japan
  - Mitsui, Japan
- Fujitsu, Japan
- NYK Group, Japan
- Samsung, South Korea

# Other countries and regions

- Hutchison Whampoa, Hong Kong
- Jardine Matheson, Hong Kong
- China Resources, Hong Kong
- Hon Hai, Taiwan

# **Comments from** Fortune 500 companies and investors in Changsha<sup>(a)</sup>



"We have benefitted by providing services Changsha's many construction machinery companies who are making outbound investment to regions such as Africa."



"Changsha is well positioned for the automobile sector due to its position in central China, its convenient transportation to other areas, and developed industry base"

(a) Companies listed above are part of the 49 Fortune 500 companies with direct investment in Changsha Sources: Changsha Bureau of Commerce, China Daily

...or as a base to access wider markets

"The 4<sup>th</sup> fastest growing city in global city competitiveness"

"Global City Competitiveness Report", Chinese Academy of Social Sciences, 2012

"National Pilot City for Intellectual Property"

**State Intellectual Property Office, 2012** 

"2012 Top 10 Cities for Business"

**China Institute of City Competitiveness, 2012** 

**Best City for Business in Central China**"

Forbes Chinese Edition, 2012

"National Culturally-Advanced City"

The Publicity Department of the Central Committee of the Communist Party, 2012



# Multinational companies are leveraging Changsha's resources and customer base to implement their growth strategies

# **Access fast growing local** and China market

#### The consumer market in Changsha and central China is growing rapidly, playing a greater role in China's economy

- Total retail sales of consumer goods for Changsha and Hunan reached CNY 245.5 billion and CNY 785.5 billion in 2012, representing a y-o-y increase of 15.7 percent and 15.4 percent respectively, both figures exceeding the national average of 14.3 percent
- Urban disposable income per capita in 2012 was CNY 30,288 for Changsha and CNY 21,319 for Hunan, an increase of 14.5 percent and 13.1 percent from last year respectively, both higher than the national average of 12.6 percent
- From Changsha, companies can reach the central China(a) market of 361 million people, about 28 percent of the total Chinese population

# Unlock synergies within Changsha's value chain

#### Changsha has a mature value chain in construction machinery, automobile and parts manufacturing as well as the cultural and creative industry

- Attracted by Changsha's established automobile industry value chain, Guangzhou Automobile Group formed another JV with Mitsubishi after its investment in GAC Fiat
  - "Changsha's comprehensive value chain and good investment environment in automobile and parts created a possible site for GAC's second manufacturing base" - GAC Group management
- Hunan TV has wide-reaching acceptance and influence in China, which was a factor in the decision of other companies to invest in Changsha. An example is Taobao's cross-media JV with Hunan TV in 2009

# Leverage cost advantage to build factories and service centres

#### Changsha's labour and operating cost is at least 10 percent lower than coastal areas

- Changsha is becoming a key alternative for companies in coastal areas to initiate their cost control strategy
  - "Compared to developed cities such as Beijing and Shanghai, Changsha's lower labour cost has provided us with a cost advantage and opportunity to increase profits" - Management, Jingu Service Outsourcing
- Compared to coastal areas, Changsha's labour cost is at least 10 percent lower
  - Changsha's average monthly salary in 2012 was CNY 2,900, which is at least 10 percent lower than that of major coastal cities(b)

(a) Central China area includes Hunan Province, Hubei Province, Jiangxi Province, Anhui Province, Henan Province and Shanxi Province (b) Examples are Nanjing, Suzhou, Hangzhou and Fuzhou Sources: Changsha Bureau of Commerce; askci.com; Hunan Bureau of Statistics; Baidu Baike; Sohu.com

# PepsiCo. Changsha

Changsha PepsiCo Beverage Co., Ltd.

#### **Enter fast growing local and China market**

- In 2005, PepsiCo China invested in PepsiCo Changsha as its 20th bottling company in the country. By 2009, the company's performance ranked in the top tier among PepsiCo China's subsidiaries. It has around 1,000 employees
- PepsiCo Changsha's production covers the entire Hunan market, and its carbonated beverage production capacity is around 44 million TEU

# PepsiCo. Changsha Management

"Changsha's consumer market has tremendous potential, which allows PepsiCo Changsha to expand capacity"

"Even during financial crises, PepsiCo Changsha's sales kept increasing. One of the reasons was significant demand from Changsha"

# A.B. Inbev, Hunan

Hunan Inbev Baisha Beverage Co., Ltd.

#### Leverage cost advantage to build factories

- A.B. Inbev is a leading global beverage company as well as one of the top five global consumer products companies. It has more than 30 factories in China, including Hunan Inbev, which was established in
- Around 300 employees work at Hunan Inbev's factory which has an annual capacity of around 180,000 tons

# A.B. Inbev, Hunan Management

"Inbev benefits from Changsha's convenient transportation and lower logistics cost"

"In order to recruit talented employees, the local government provided us with incentives such as an accommodation subsidy"

# Bosch, Changsha

Bosch Automotive Products (Changsha) Co., Ltd.

#### Unlock synergies with Changsha's value chain

- Bosch Changsha was set up as a wholly foreignowned enterprise in 2004. Its major business is R&D, manufacturing, and sales of automotive parts and automobile electronic control systems
- In 2012, in order to strengthen automotive parts technology, Bosch Changsha invested CNY 700 million to establish an R&D centre



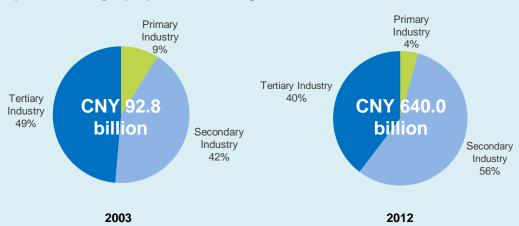
# Bosch, Changsha Management

"Our Changsha R&D centre is developing highly localised products and this will benefit our cooperation with the local value chain"

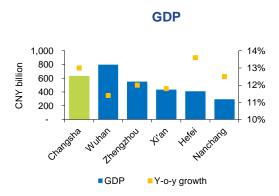
"Changsha's air, railway and highway logistics are all very convenient"

# Changsha continues to strengthen its competitiveness

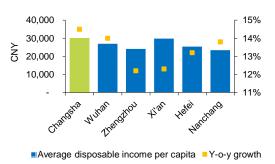
### Compared with 10 years ago, Hunan's secondary industry represents a larger proportion of the region's GDP



### Changsha is economically competitive with other central region cities in China



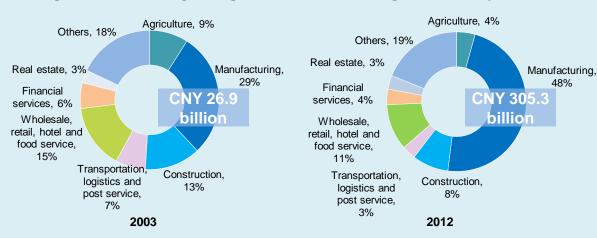


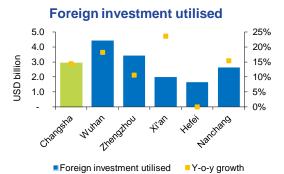


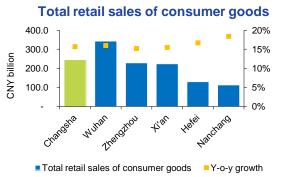
Sources: Changsha Bureau of Commerce; Changsha 2012 National Economic and Social Development Report; Changsha Bureau of Statistics; Wuhan Bureau of Statistics; Zhengzhou Bureau of Statistics; Xi'an Bureau of Statistics; Hefei Bureau of Statistics; Nanchang Bureau of Statistics

48%

### Compared with 10 years ago, the scale of Changsha's manufacturing industry has grown 10-fold, strengthening its contribution to Changsha's economy







Sources: Changsha Bureau of Commerce; Changsha 2012 National Economic and Social Development Report; Changsha Bureau of Statistics; Wuhan Bureau of Statistics; Zhengzhou Bureau of Statistics; Xi'an Bureau of Statistics; Hefei Bureau of Statistics; Nanchang Bureau of Statistics



# Changsha's strategic vision is driving investment opportunities



# **Development strategy**

#### **Economic quality**

- Create industry clusters and develop high value-added industry sectors
- Increase domestic consumption and demand
- Develop Changsha as a cultural centre
- Attract and support financial services organisations

#### City living environment

- Combine urban planning with natural scenic resources
- Improve transportation infrastructure
- Develop cloud computing and digitalisation of public service
- Enhance energy saving

#### Rural development

- Complete rural public infrastructure
- Enhance rural public services such as healthcare and financial services
- Drive the development of agriculture, tourism and agricultural product processing

#### Citizen satisfaction

- Recruit and develop talented employees
- Leverage historical / cultural resources
- Increase healthcare resources and promote medical system and public hospital reform

# Government service efficiency

- Provide a favourable investment environment, including establishing a tax-free zone, electronic port information platform, etc.
- Simplify administrative processes

# **Implications** for investors

#### **Expanding market:**

- The local market is projected to expand as the economy grows and demand increases
- More advanced transportation strengthens connections to other regions within China and globally

#### **Investment opportunity:**

Benefit from city resources in manufacturing. logistics. financial services. eneray conservation, agriculture, culture, and healthcare

### Improving city support:

- Government support for talented employee recruitment and development
- More convenient public service such as customs and administration service
- Better business and living environment

Changsha's development vision **Modern city** in central China

International city with a unique culture



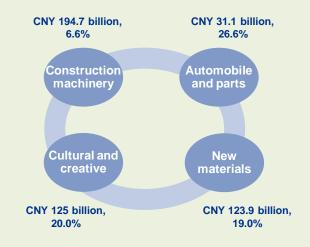
Sources: Changsha's 12th Five-year Plan of Economic and Social Development

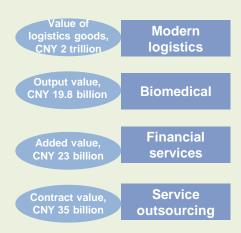
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#### Focus industries' output value and y-o-y growth rate (a)

### Emerging industries are forming clusters (a) (illustrated with the four industries below)







# Strong foundation for the construction machinery industry



### The construction machinery industry is one of Changsha's major industries. Products such as concrete pumps have a leading position in domestic and global markets

- In 2012, Changsha's construction machinery industry generated an output value of CNY 194.7 billion, a 6.6 percent increase from last year and it represented 24 percent of Changsha's total industrial output value
  - Changsha's construction machinery industry output value is 32 percent of China's total
- Major companies in this industry have strong R&D capability. Their products, such as concrete pumps, have a leading position within China
  - Major machinery companies such as Zoomlion, Sany and Sunward own hundreds of national patents
  - Sany's concrete pump product set the Guinness World Record three times by exceeding the maximum height of extending arm
- These industry leading construction companies have been focusing on global expansion
  - Sany announced the acquisition of German company Putzmeister in early 2012
  - Zoomlion completed the acquisition of Italian concrete machinery company CIFA in 2012

Construction machinery industry's 2015 sales revenue is expected to reach

# CNY 250 billion

### Future development is expected to include:

- Extend and complete the industry value chain
- Improve innovation ability and develop core technology
- Strengthen international cooperation and global expansion

#### **Examples of major construction machinery companies in Changsha**

- Zoomlion
- Sany
- Sunward
- CHTC Jove
- Osaint
- Sinoboom

- Feny
- Ruilong Heavy Industries
- Zhongli Machinery
- Dingli Tech
- Xieli Hydraulic Co.
- AVIC Landing Gear

Sources: Changsha Bureau of Commerce; Changsha government website; China consulting.cn; Sohu.com; cntv.cn; Changsha's 12th Five-year Plan of Economic and Social Development

# **Case company introduction**

Case study **AVIC Landing Gear Advanced Manufacturing Corp.** (AVIC Landing Gear) AVIC Landing Gear was established in 2008. It is a company focusing on the manufacturing of aeroplane landing gear, hydraulic parts, foreign advanced landing gear parts, and forklift cylinders In addition to landing gear, the company has been leveraging Changsha's other machinery industry value chain and has developed more than 500 hydraulic products for automobiles, motorcycles and forklifts. These products are sold to more than 300 companies across 29 provinces in China The company has total assets of CNY 1.3 billion and is staffed with more than 3,000 employees



"Changsha government has actively provided support to us. On one occasion they helped us negotiate with the power company and solved the problem with the power connection without interfering with the project process"

Notes: (a) "Provinces" in this document is understood to include provinces, Special Autonomous Regions, and other constructs Sources: Official website of AVIC Landing Gear; Interview with AVIC Landing Gear management; People.com



# Complete value chain for automobile manufacturing



### Changsha's automobile manufacturing industry benefits from a cluster covering the whole value chain and improved R&D capability

- In 2012, Changsha's automobile and parts industry reached an industrial output value of CNY 31.1 billion, representing a 26.6 percent increase from 2011
- The complete value chain includes companies covering R&D, parts manufacturing automotive and manufacturing, creating synergies for auto industry participants
- Emerging R&D capability includes:
  - Remote driving control
  - Vehicle-to-Grid technology, which allows battery charging from the grid as well as battery power release
  - Dual Mode technology, which can control both the power generator and the engine
  - Dual Dry Clutch Transmission technology

Automobile and parts industry's 2015 sales revenue is expected to reach

# CNY 200 billion

# Future development is expected to include:

- Support the development of automobile manufacturing, such as coach car, SUV, truck and cars for special usage
- Enhance core parts technology development, for example, the technology for automotive electronics, engines, axles and chassis



Coach car, truck, SUV, special usage car, passenger car, new energy car

#### Changsha's automobile and parts value chain and major companies

#### **Design and R&D**

#### Parts manufacturing

#### Automobile manufacturing

- Bosch
- **Lizhong Automobile Design**
- **Bosch**
- Magna Cosma
- Marelli
- **Johnson Controls**
- Sumitomo Rubber
- Hitachi

- Volkswagen
- **BYD**
- **GAC Fiat**
- GAC Mitsubushi
- Foton
- Zotve
- Shaanxi Heavy Truck

Sources: Changsha Bureau of Commerce; Changsha's 12th Five-year Plan of Economic and Social Development

# **Case company introduction**





"As Hunan's capital, Changsha's convenient transportation significantly lowered the company's logistics cost"



# New material industry clusters achieving rapid growth



#### Changsha's new material industry is growing rapidly, with key products having a high market share worldwide

- In 2012, Changsha's new material industry reached an output value of CNY 123.9 billion, increasing 19.0 percent from 2011 and representing around 15.5 percent of the city's total industrial output value
- New material companies in Changsha are global leaders in their respective sectors. For example:
  - Liyuan New Material's capacity for continuous bandshaped nickel foam reached about 5 million square metres, making it one of the largest manufacturers in the world for this material
  - In 2012 Shanshan Toda's sales volume of lithium battery reached about 5,000 tons, ranking it as the largest company nationally and the third largest company globally
  - Lens Technology's screen products are installed in over 60 percent of mobile phones, computers and digital cameras globally
- The new material industry employs talented professionals
  - Changsha has ten academicians from Chinese Academy of Sciences and Chinese Academy of Engineering, three national key laboratories and five national engineering centres
  - Over 1,000 new materials professionals, including masters, Ph.D.s and post-doctoral researchers are trained annually

New material industry's 2015 sales revenue is expected to hit

# CNY 100 billion

### Future development is expected to include:

- Focus on the development of new energy material, new metals, advanced composites, and energy conservation material
- Support building material sector
- Drive research and sector growth in nextgeneration bio-materials, information technology materials and rare earth elements

#### **Examples of major companies**

Shengtong Group (SNTO)

C-Kingdon Group

Shanshan Toda

Lens Technology

Reshine

Corun

Broad Home Industrial Co.

Boyun

■ Meimei Tech.

Sources: Changsha Bureau of Commerce; Changsha government website; Cinic.org; People.com; Ocn.com; Chinasmartgrid.com; Anhui news; Sina.com; Changsha's 12th Five-year Plan of Economic and Social Development

# **Case company introduction**





"Changsha has abundant non-ferrous metal reserves, providing reliable material"



"Located in the centre of mainland China, Changsha enjoys abundant inexpensive labour supply"

Sources: Official website of Meimei Tech; Management interview of Meimei Tech.



# Cultural and creative industry fosters national companies and brands



# Changsha's cultural and creative industry has a strong foundation in media, animation and publishing

- The 2012 total production value reached CNY 125 billion, which ranked number one among provincial capitals in central China in terms of scale and proportion of local GDP
- Changsha has a strong foundation in media, animation and publishing
  - In 2012, Hunan TV's average daytime audience rating ranked number one among provincial TV stations
  - By the end of 2012, Changsha's production of animated programmes ranked number one nationally for the 4th consecutive year
  - E-green Apple is one of China's earliest digital publishing companies. It has an annual capacity of 200 trillion characters

The cultural and creative industry's 2015 sales revenue target is

# **CNY 200 billion**

### Future development is expected to include:

- Changsha aims to actively explore new development models, including "Culture + Innovation", "Culture + Technology", "Culture + Finance", "Culture + Tourism", through guiding companies in other sectors such as technology, financial services and tourism, to develop cross-sector cooperation with cultural and creative companies
- Changsha also plans to drive industry growth through other initiatives, such as:
  - Establishing industry investment funds
  - Providing financial subsidies

# **Case company introduction**





"Hunan's TV and media business has a significant influence over China and we are trying to integrate these advantages and resources. While we try to develop the company, we are dedicated to participate in building active mobile internet an environment"



Other fast growing industries include biomedical, modern logistics, service outsourcing and financial services



# National bio-industry base

### Changsha's biomedical industry is growing quickly, and the city has the only national bioindustry base in central and western China

- In 2012, Changsha's biomedical industry reached a total output value of CNY 19.8 billion, increasing 31.8 percent from 2011
- The city plans to develop its medicine, bio-breeding and biomanufacturing sectors with a focus on modern Chinese medicine, chemical medicine, bio-product, equipment and grain products such as super rice
- The output value of Changsha's national bio-industry base accounts for one third of that of Hunan province. The base has attracted hundreds of bio-medicine companies, such as Jiuzhitang and Fangsheng Pharmaceutical

2015 target for output value **CNY 50 billion** 



2015 target value of logistics goods

# **CNY 3 trillion**

# Pilot city for modern logistics and modern services

Changsha is one of China's 17 major regional logistics hubs, one of the 46 pilot cities for modern logistics and one of the pilot cities for modern services. The logistics industry is on a fast development track

- In 2012, Changsha's total value of logistics goods reached CNY 2 trillion, increasing 19.3 percent from last year
- According to The Development Plan for Changsha's Modern Logistics (2011-2020), the city plans to build five logistics parks and ten logistics centres. These are expected to drive the clustering of industry companies and support the following goals:
  - 50 percent of the logistics companies will belong to clusters in logistics parks
  - The output value of logistics industry from logistics parks will reach 60-70 percent of the logistics industry output value of Changsha





Other fast growing industries include biomedical, modern logistics, service outsourcing and financial services



# Pilot city for service outsourcing

### As a national pilot city for service outsourcing, Changsha has more than 700 software and service outsourcing companies

- The total contract value of Changsha's service outsourcing industry reached CNY 35 billion in 2012, an increase of 18.1 percent from 2011
- In 2007, Changsha was selected as one of the "Pilot Cities" for Service Outsourcing". The city's four key zones including Changsha High-tech Zone, Qingzhu Lake Eco-technology Zone, Longpin High-tech Park and Yuelu Technology Park were designated as "service outsourcing pilot areas"
- According to The Development Plan for Changsha's Service Outsourcing (2011-2020), the number of employees in this industry is to reach 150,000 and the total contract value is to surpass CNY 50 billion by 2015

2015 target for contract value:

**CNY 50 billion** 



2015 target for added value

# **CNY 30 billion**

# **Emerging financial services sector**

#### Changsha aims to attract companies in this sector and establish itself as a regional financial centre

- In 2012, Changsha's financial services industry added value reached CNY 23.1 billion, an increase of 11.6 percent from last year
- In addition to the four major state-owned banks, Changsha has branches of many foreign banks, including HSBC, Citi, Shinhan, Standard Chartered, BEA, as well as joint-stock commercial banks such as Industrial Bank and Minsheng
- To further develop the financial sector, Changsha aims to attract more financial organisations, especially regional headquarters, so as to strengthen its influence in this industry

11.6%

End balance of local and foreign currency deposit

CNY 880.1 billion

Increase from starting balance 19.5%

End balance of local and foreign currency surplus

CNY 851.9 billion

Increase from starting balance 13.8%





#### Convenient transportation and logistics

- International airport with direct flights to 76 domestic and overseas cities
- National railways include Beijing-Guangzhou railway, Shanghai-Kunming railway (to commence in 2014) and Chongqing-Xiamen railway (to start construction before 2016)
- Highways extending 517 kilometres with further extension planned
- Changsha port with a 2012 throughput of 30.9 million tons, is one of China's 23 main inland ports. It recently started contracted shipping with Shanghai



#### Investment services and operating cost

- Changsha and industrial parks have set up preferential policies to attract investment and promote industry development, such as tax incentives, land and construction subsidies
- For large investments, companies are entitled to enjoy more convenient "Green Channel" support(a)
- Local government supports the growth of key companies. For example, Changsha High-tech Zone earmarks an annual subsidy of CNY 200 million for industry development



#### Human resource and labour cost

- 97 science and research organisations. In 2012, public funds spent on research reached CNY 298 million, an increase of 10 percent from 2011
- 50 universities, with 310,000 annual graduates
- Incentives to attract talent, such as financial subsidies
- More than 10 percent lower labour cost than coastal cities



#### Industrial zones and facilities

- Four industrial zones and eight industrial parks have a total area of 467 square kilometres (28 percent in use or under construction)
- Industrial clusters have formed in the zones' focus areas, which will benefit companies as a result of synergies
- Industrial zones and parks can provide favourable policies on tax and financing



#### Public facilities, business and living environment

- Completing business facilities such as hotels, office buildings and a subway system
- Hospitals and schools dedicated to expatriates
- Pleasant climate and abundant tourism resources

(a) Large investments refer to investments from Fortune 500 enterprises, foreign investments above USD 10 million, manufacturing industry investment Notes: above CNY 100 million. For more information, please contact Changsha Bureau of Commerce

Sources: Changsha Bureau of Commerce

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**Huanghua International Airport has** direct flights to 60 domestic cities and 16 international cities and regions. It also handles an increasing amount of cargo transportation

- Huanghua airport is 17 kilometres from downtown. It has direct flights to 60 domestic cities and 16 international cities and regions, plus seven flights to Paris, Frankfurt, London, Los Angeles, Vancouver, Sydney Melbourne with one transfer in Shanghai
- The 2012 travel throughput reached 14.7 million trips, an increase of 7.8 percent from 2011. The cargo amounted to around 110,000 tons, a 44.7 percent increase from 2011
- After 2012 expansion, the airport reached a travel throughput capacity of 18 million trips and cargo transportation capacity of 400,000 tons

# Completion of the railway network is expected to provide the city with highspeed and inter-city rail transportation

- Changsha is located at the intersection of China's three main railways: Beijing-Guangzhou railway, Shanghai-Kunming railway and Chongqing-Xiamen railway
  - Beijing-Guangzhou railway has started operation, Shanghai-Kunming railway is to commence in 2014 and Chongqing-Xiamen railway is scheduled to start construction before 2016
- Seven inter-city railways are scheduled to be completed in the next five years, including Changsha-Zhuzhou-Xiangtan railwav Changsha-Yiyang-Changde railway

- National major high-speed railways
- Inter-city railways linking surrounding cities

One of major inland ports

18 million travellers



### Changsha's fast-growing highway system facilitates transportation

- In 2012, Changsha opened three new highways, including Daweishan-Liuyang, Changsha-Xiangtan, Liuyang-Liling, which extended the total length of highways to 517 kilometres, an increase of 78.9 percent from last year
- The ring-road highway and Changsha-Liuyang highway are under construction and they are scheduled to start operation at the end of 2013

### Changsha port is an important inland port along Yangtze River with an increasing throughput

- Xianing Port, Changsha's main port, is one of 23 main inland ports in China. Eight 1,000-ton berths are located in Xianing Port
- Changsha port achieved a throughput of 30.9 million tons in 2012 and this is expected to reach 40 million tons by 2015
- Changsha has started container contract shipping (a) to Shanghai

Notes: (a) Contract shipping refers to contracted port, contracted shipping route, contracted shipping time, contracted schedule, and contracted price Sources: Changsha Bureau of Commerce; carnoc.com; Changsha Wanbao.com; Hunan Online



# Air transportation cost for general cargo (a)

From Changsha (CNY/kg	)			
Destination	45-100 (kg)	100-300 (kg)	300-500 (kg)	>500 (kg)
Hong Kong/Macau	13	11	11	10.5
South Korea/Taiwan	9	8	7.5	7
Japan	15	14	13	12
South East Asia	15	14	13	12
South Pacific	20	19	18	17
USA/Canada	31	29	27	25
Western Europe	23	21	21	20
Middle East/South Asia	31	28	26	24
South America/East Europe/Africa/Others	35	33	32	30

Notes: (a) The prices are estimates and may fluctuate Sources: Changsha Bureau of Commerce

# Railway transportation

Cost and duration to transport a 20-foot container
from Changsha to the following cities

Destination	Cost (CNY)	Duration (days)
Beijing	4,944	8
Shanghai	3,794	6
Guangzhou	2,529	4
Shenzhen	3,365	5

# **Marine transportation**

#### Cost and duration to transport a 20-foot container from Changsha to the following cities

Destination	Cost (CNY)	Duration (days)
Hong Kong	4,000	12
Osaka	4,000	12
Los Angeles	12,500	28
Rotterdam	9,850	40
Hamburg	9,850	40
New York	20,500	40

Notes: Above price is based on the April 2013 quotation, which is during the peak season. Marine cost fluctuates throughout the year

# Air flights and tickets

#### Domestic travel by air from Changsha to the following cities

Destination	Ticket price (CNY)	Flying time (minutes)	Flights per week
Beijing	1,220	120	98
Shanghai	890	90	98
Guangzhou	690	70	25
Shenzhen	730	80	21
Chongqing	740	60	70

Notes: The prices above are estimates and may fluctuate Sources: Changsha Bureau of Commerce



# Investment services and favourable policies help companies manage costs



### Investment process





#### Location selection

#### Enterprise setup (1)

### Sample investment services

- Provides information regarding projects seeking investment, such as projects listed in the following URL:
- www.cstrade.gov.cn/swt/swt/project\_list.asp Supplies local investment environment information
- Offers assistance contacting local companies
- Engages in detailed discussion of investment requirements
- Changsha Government has set up a Green Channel to assist key investment projects with major issues for enterprises during their setup procedures (a)
- Assists companies to obtain land use
- The industrial parks can help with enterprise setup and construction procedures

# Sample impact to operating cost



#### Operating cost: land

- Enterprises can purchase land use rights from the government and such rights usually last 50 years
- According to China regulations, land use rights need to go through the process of public bidding, auctions or public postings of available land
- Different industrial zones offer various land use right prices which are open to negotiation. For example, Changsha ETDZ can offer discounts for specific projects:
  - For high-tech projects, key industrial projects and other major projects benefiting Changsha with a total investment amount over USD 30 million and annual tax contribution over CNY 10 million, 30 to 100 percent of its land purchase fee can be refunded within 3-5 years from company setup

Notes: (a) Key investment projects include projects from Fortune 500 companies, foreign investment with contract value over USD 10 million, and manufacturing projects with contract value over CNY 100 million. Further details can be obtained from Changsha Bureau of Commerce Sources: Changsha Bureau of Commerce





- Changsha Government has set up a Green Channel to assist key investment projects with major issues for enterprises during their setup procedures (a)
- Assist companies to obtain land use
- The industrial parks can help with enterprise setup and construction procedures



#### **Growth and expansion**

- Tax incentives are provided for hi-tech and technology advanced service companies
- Financial subsidies are available for companies in the service outsourcing industry
- The R&D expense of companies within the engineering equipment, automobile and components industries can be deducted before income tax

# Operating cost: factory construction

- Enterprises can build factories within industrial parks, and construction fees remain relatively stable year on year (see table on the next page)
- For hi-tech companies located in Changsha Hi-tech Zone or other provincial / national level industrial parks, support is provided for part of the construction fee exceeding CNY 42/m2
- Standard factories are also available for rent, with annual rent usually in the range of CNY 160-360/m<sup>2</sup>
  - A "standard factory space" refers to a six-floor steel-reinforced concrete factory with a floor area of 1,000m2 and height of 4-5m

### Operating cost: tax incentives and financial subsidies

- Changsha provides a number of tax incentives and financial subsidies to support development of companies, such as:
  - Recognised hi-tech companies enjoy a favourable income tax rate of 15 percent
  - Changsha has set aside CNY 50 million to provide subsidies to service outsourcing companies

Notes: (a) Key investment projects include projects from Fortune 500 companies, foreign investment with contract value over USD 10 million, and manufacturing projects with contract value over CNY 100 million. Further details can be obtained from Changsha Bureau of Commerce Sources: Changsha Bureau of Commerce



# Investment services and favourable policies help companies manage costs



#### Relatively stable cost for plant construction

Plant construction cost (CNY/m²), 2012									
	СНТ	CHTIDZ		CETZ		NXETZ		LYETZ	
	2011	2012	2011	2012	2011	2012	2011	2012	
Based on a floor area of 1,000 m² and height of 8-15m for a single storey steel-frame factory	400-600	500-800	800- 1,000	1,000	800- 1,000	900	1,500	800,- 1,500	
Based on a floor area of 1,000 m <sup>2</sup> and height of 4-5m per floor for a three to six-storey steel-reinforced concrete factory	800- 1,200	1,000- 1,500	1,000- 1,500	1,500	1,000- 1,400	800- 1,400	1,300	800,- 1,500	

Sources: Changsha Bureau of Commerce



# A large, affordable workforce helps reduce labour cost



### Changsha has a large, high-quality workforce to support the human resource strategy of investors

- Changsha has 97 scientific research institutes, 50 colleges and 310,000 college graduates, ranking number one among central cities for its large number of colleges and graduates
- As a leader in the industrial machinery industry, Changsha has a sizable professional and technical workforce
- Changsha has 32 technical schools and in 2011 the city had 43,000 graduates with a background in electronics, auto repair, and machinery
- According to a 2012 survey conducted by Changsha's Furong District, the average turnover rate at corporations was around 9.6 percent

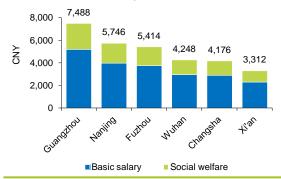
#### Labour costs in Changsha are competitive when compared to coastal and major inland cities

- Changsha has advantageous salary and labour costs (including social benefits) when compared to major coastal cities
- In this study, Wuhan, Xi'an, Fuzhou, Nanjing and Guangzhou were chosen for comparison. Changsha has lower labour costs compared to coastal cities of Guangzhou, Nanjing and Fuzhou, and sits in between inland cities of Wuhan and Xi'an (see the figure on the right)
- According to local rules, a company is obligated to pay social welfare at 44 percent of their employees' basic salaries; therefore, for an employee with a monthly salary of CNY 2,900, the employer needs to pay an additional CNY 1,276 to meet social welfare obligations (see the figure on the right)
- Changsha's employee salary levels are relatively stable, with the average growth rate being 5-10 percent (see the table on the right)

### The government provides incentives for highly skilled emplovees

- According to the "Government Talent Introduction Plan," Changsha recruited more than 10,000 professionals during 2009-2011, including 4,000 technical and 3,000 management personnel
- The government is earmarking CNY 30 million each year to fund incentives to attract skilled individuals to move to Changsha, particularly those with professional qualifications or business start-ups. The science and technology industrial park and district also provides supporting funds
- The government has also budgeted CNY 60,000 per Doctorate degree holder and CNY 30,000 per Masters degree holder as an incentive to attract individuals who have signed a labour contract with Changshabased companies for a duration of three or more years

#### Basic salary and social welfare for Changsha and selected cities, 2012



Reference salaries for Changsha's employees

Yearly	salary	(CNY)
--------	--------	-------

Position	2011	2012
Manufacturing Manager	20,110-164,000	22,100-185,000
Accounting Manager	19,160-168,740	21,200-177,500
Sales Manager	14,500-143,300	15,400-151,000
Technical staff	15,460-101,330	19,300-108,000
Operating staff	12,240-136,600	14,000-77,500

Note: 'coastal city' refers to cities located in provinces that border the ocean Sources: Changsha Bureau of Commerce; Official website of Changsha Furong District Government; Guangzhou Bureau of Statistics; Nanjing Bureau of Statistics; Fuzhou Bureau of Statistics; Wuhan Bureau of Statistics; Xi'an Bureau of Statistics;



# Clusters and facilities in industrial zones support companies to grow

### Four industrial zones and eight industrial parks help drive Changsha's development

- Changsha currently has 12 major industrial parks, four of which are national-level economic development zones, and eight of which are provincial-level industrial parks. Together, the zones and parks cover an area of 467 km<sup>2</sup>
  - The four national level zones are the Changsha National High-Tech Industrial Development Zone (CHTIDZ), Changsha National Economic and Technology Development Zone (CETZ), Ningxiang National Economic and Technological Development Zone (NXETZ) and Liuyang National Economic and Technology Development Zone (LYETZ)
- Changsha's industrial zones and parks have grown rapidly in recent years
  - In 2012, large-scale companies in the "four zones and eight parks" generated CNY 139.2 billion in added industrial value, realising a CAGR of 35.5 percent between 2009 and 2012. This accounted for 60.3 percent of added industrial value citywide

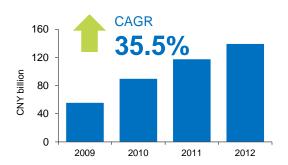
#### Industrial zones provide companies with land and offer preferential policies

- Industrial zones offer quality land for investors. Changsha has abundant land for further expansion
  - Total projected area for the four national industrial zones is 467 km<sup>2</sup>, only 28 percent of which is currently developed
- Industrial zones provide investors with tax incentives and preferential financing policies, for example
  - For fixed asset investments above CNY 500 million in electronics, equipment manufacturing or new materials, CHTIDZ provides companies with a supplement of at least 10 percent of the fixed asset investment amount

#### Clusters in industrial zones provide companies with value chain support

- The industry clusters in industrial parks are maturing and they can provide companies with value chain support, for example:
  - LYETZ has attracted about 60 GMP standard pharmaceutical companies and these companies' total capacity represents two-thirds of Hunan's total

#### Industry added value for large-scale companies in Changsha's "four zones and eight parks", 2009-2012



Sources: Changsha Bureau of Commerce; Official website of Changsha Bureau of Commerce

Changsha's four national industrial zones and eight industrial parks focus on different industry sectors. All of these areas are located within 40 km of the airport and the inland port



#### Four industrial zones and eight industrial parks:

- Changsha National High-Tech Industrial Development Zone
- Changsha National Economic and Technology Development Zone
- 3. Ningxiang National Economic and Technological Development Zone
- Liuyang National Economic and Technology Development Zone
- Longping High-tech Park
- Jinxia Economic Development Park
- 7. Wangcheng Economic Development Park
- Ecology Science and Technology Park 8.
- Tianxin Industrial Park 9.
- 10. Muyun Industrial Park
- 11. Liuyang Manufacturing Base
- 12. Jinzhou New Area

Industry sectors' related zones and parks		
Industry sector	Related zones and parks	
Construction machinery	2,8,10,11	
Automobile and parts	2,8,10,11	
New material	1,3,5,6,7,10,12	
Biomedical	1,4,5	
Trade and logistics	6,7,9	
Electronic information	1,2,4,5,12	
Advanced manufacturing	1,3,10,12	
Environment protection	1,8	
Food and beverage	2,4,7	
Service industry	3 , 5 , 12	

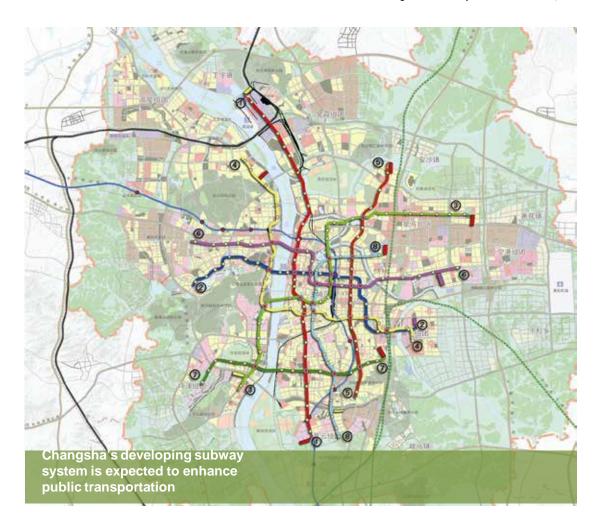
#### Sources: Changsha Bureau of Commerce





#### Changsha offers a wide variety of accommodation options

- There are 35 high-end hotels located in Changsha, including 22 four-star and 13 five-star hotels
- Changsha also has a full range of economy hotels, including Hanting Inn, Motel 168, Home Inn and Jinjiang Inn, which provide clean standard rooms ranging from CNY 110 to CNY 200 per night
- Long-term expats have several options for lodging in Changsha, ranging from apartments to serviced rooms in one of Changsha's hotels
  - In 2012, the average purchase price of a condo in downtown Changsha was around CNY 6,545/m2; the rental for a 100m2, two bedroom apartment was about CNY 1,500/month



Subway Line	Construction period
Line 1	2010-2014
Line 2	2009-2013
Line 3	2013-2016
Line 4	2013-2017



### Changsha has a convenient transportation system

- Changsha's public bus system has a standard one-way ticket price of CNY 1 for non-air conditioned buses, and CNY 2 for air-conditioned buses
- By the end of 2012, about 6,280 cabs were available for passengers, with prices starting at CNY 6 for the first 2 kilometres and CNY 1.8 for each additional kilometre in the daytime, and CNY 7 and CNY 2.16 respectively at night
- Four subway lines are under construction and are expected to be in operation between 2013 and 2017





#### Changsha has a developed medical care system, with a number of different types of medical institutions

- At the end of 2012, Changsha had 4,270 medical institutions, including 255 hospitals and health centres. In Changsha, both the Third Xiangya Hospital and Changsha Central Hospital offer medical services to foreigners
  - The Third Xiangya Hospital has won national recognition for the quality of its services



#### Changsha has strong international educational resources

- Several schools are available for the children of expats in Changsha, including:
  - Lushan International Experimental School that provides education resources covering primary and middle schools as well as an international department
  - Changsha (Weixi) International School that provides primary school courses



Changsha Huangcai Reservoir



### Changsha's long history, comfortable climate, and rich tourism resources make it a liveable city

- Changsha's written history dates back as early as 1600 B.C. In 1982, it was designated as a "historic city" by the State Council, one of the first cities in China to receive the honour
- Changsha has a subtropical climate with four distinct seasons. In 2012, the local rainfall and average temperature were 1,730 mm and 17.6°C
- Changsha has one National AAAAA tourist attraction, 15 National AAAA tourist attractions, two national key scenic spots and 11 nationally protected cultural sites



### Changsha also offers ample leisure and entertainment options

- "Hunan Cuisine" is one of China's eight major cuisines, with more than 4,000 dishes
- Changsha has a range of cafes, theatres, and other entertainment and leisure options, for example the Grey Soup SPA, Qingzhu Riverside Golf Club and Tianhan **Grand Theatre**

#### Sources: Changsha Bureau of Commerce

# Appendix: Useful contacts

#### For investment and business

Changsha Municipal Bureau of Commerce

10th Floor, The First Municipal Government Mansion

No.218 Yuelu Road, Changsha Postcode: 410013

Website: www.cstrade.gov.cn

Foreign Investment and Service

Administration Tel:+86 (731) 8866 6056

Email: csinvest2008@yahoo.com.cn

Foreign Investment Liaison Department

Tel:+86 (731) 8866 5557

Email: hninvest@yahoo.com.cn

Foreign Trade Department Tel:+86 (731) 8866 5556

Email: Id trade@126.com

China Council for the Promotion of International Trade, Changsha branch AND China Chamber of International Commerce, Changsha Chamber

Address: No.182, Chaoyang Road,

Changsha

Tel: +86 (731) 8416 5136 Website: www.csccpit.org

#### For major industrial zones

Changsha Riverwest, Xiandao District Management Committee No.668 Riverwest, Lugu Road, Changsha

Tel: +86 (731) 8899 5180 Website: www.csxdq.gov.cn Changsha High-Tech Development Zone Management Committee

No.668 Riverwest, Lugu Road, Changsha Tel:+86 (731) 8899 5542

Website: www.cshtz.gov.cn

Changsha Economic and Technical **Development Zone Management** Committee

No.2 Xingshasanyi load, Changsha Tel:+86 (731) 8401 1101 Website: www.cetz.gov.cn

#### For other government bureaus

Changsha Development and Reform Committee

5<sup>th</sup> Floor, The First Municipal Mansion No.218 Yuelu Road, Changsha Tel: +86 (731) 8866 5530 Website: fgw.changsha.gov.cn

Changsha Housing and Urban-rural **Development Committee** 10th Floor, The First Municipal Mansion

No.218 Yuelu Road, Changsha Tel: +86 (731) 8866 5908 Website: www.zgcsjs.com

Changsha Industry and Information **Technology Commission** 8th Floor, The First Municipal Mansion No.218 Yuelu Road, Changsha Tel: +86 (731) 8866 6008 Website: www.csgy.gov.cn

Changsha Municipal Bureau of Land and Resources

No.238 Laodong East Road, Changsha Tel:+86 (731) 8299 6215

Website: www.csgtzy.gov.cn

Changsha Municipal Bureau of Transportation

No.269 Wanjiali Middle Road, Changsha Tel:+86 (731) 8815 1200

Website: http://jtysj.changsha.gov.cn

Changsha Municipal Bureau of Urbanrural Planning 9th Floor, The Second Municipal Government Mansion No.218 Yuelu Road, Changsha Tel: +86(731) 8866 6205

Website: www.csup.gov.cn Changsha Municipal Bureau of **Environmental Protection** No.160 Chaoyang Road, Changsha

Tel:+86 (731) 8412 9654 Website: http://hbj.changsha.gov.cn Changsha Municipal Bureau of Human Resources and Social Security No.1 669 Lotus Middle Road Yiduan

Tel:+86 (731) 8490 7958 +86 (731) 8866 6050 Website: www.csldbz.gov.cn

Changsha Municipal Bureau of Industry and Commerce

No.411 South 2nd Ring Road, Yiduan, Changsha

www.crxx.com

Tel:+86 (731) 8997 1997 Website: www.csaic.gov.cn

Changsha Municipal National Taxation Bureau

No.269 Shaoshan Road North, Changsha Tel:+86 (731) 8418 5602

Website: www.csgtax.gov.cn

Changsha Municipal Local Taxation Bureau No.1 Baisha Street, Changsha

Tel:+86 (731) 8511 8960 Website: www.cstax.gov.cn

#### Major website links

Hunan Provincial Government www.hunan.gov.cn

Changsha Municipal Government www.changsha.gov.cn

Changsha Business www.cstrade.gov.cn

Changsha Customs changsha.customs.gov.cn

Xingchen Online www.changsha.cn Changsha Real Estate Development www.haofz.com

Changsha Online Map www.changsha.edushi.com

Changsha Tour www.csta.gov.cn

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18th Floor, Tower 1, Plaza Central 8 Shuncheng Avenue Chengdu 610016, China Tel: +86 (28) 8673 3888

Fax: +86 (28) 8673 3838

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8th Floor, West Tower, Julong Building, 9 Hangda Road Hangzhou 310007, China Tel: +86 (571) 2803 8000 Fax: +86 (571) 2803 8111

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