



CONNECTING THE WORLD  
THROUGH BETTER MOBILITY

CONNECTING THE  
WORLD THROUGH  
BETTER MOBILITY



CRRC CORPORATION LIMITED

Address: No.16 West 4th-Ring Mid Road, Haidian District, Beijing, China

Zip Code: 100036

English-Tel: +86-10-51897295

Deutsch-Tel: +86-10-51897284

Русский-Tel: +86-10-51897300

E-mail: [gjyy@crrcgc.cc](mailto:gjyy@crrcgc.cc)

Fax: +86-10-52608280

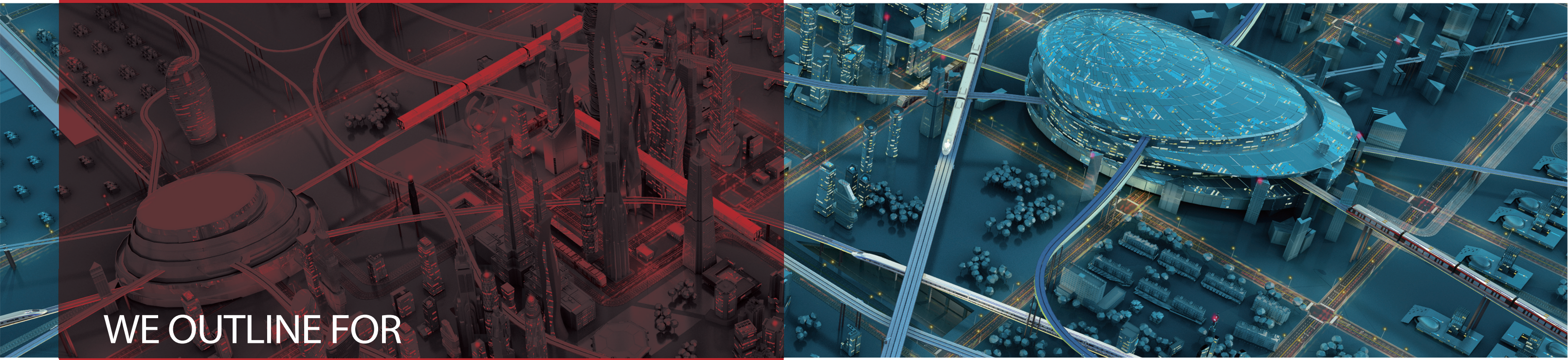
[Http://www.crrcgc.cc/](http://www.crrcgc.cc/)

[www.crrcgc.cc](http://www.crrcgc.cc)

# ARE YOU STILL DISTRESSED BY THESE ?

- Safety
- Traffic jam
- Late arrival
- Air pollution
- PM2.5
- Excessive CO<sub>2</sub> emission
- Water pollution
- Big city disease
- Low efficiency
- High energy consumption
- Poor infrastructure
- Boring long-distance travel
- Diseconomy





WE OUTLINE FOR  
YOUR URBAN  
FUTURE  
GREEN SMART  
HUMAN-ORIENTED

GREEN, SMART  
AND HUMAN-ORIENTED

# WE ARE SUCH A COMPANY



Our history can be traced back to 1881 during the Self-Strengthening Movement of late Qing dynasty. Over one hundred of our factories used to be the birthplaces of China's modern industry.

As born after the merger of CSR and CNR and listed in Shanghai and Hong Kong on June 8, 2015, we have 46 subsidiaries and over 186,900 employees.

We offer products and services in more than 103 countries and areas. In order to join in the sustainable development of global market, we set over 70 overseas subsidiaries and 12 overseas research centers.

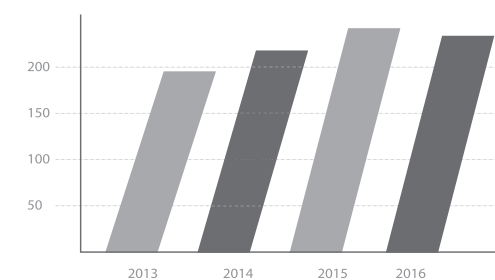


We also focus on your life quality. We not only provide you solutions for green mobility and high-efficient logistics, but also create solution packages for many new fields of urban operation, such as new energy use, water treatment and smart service.

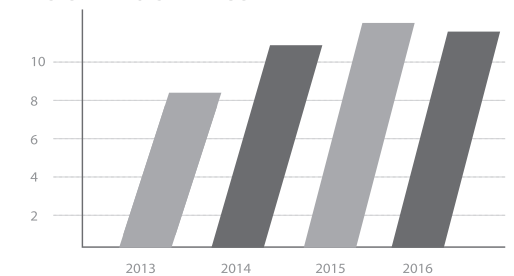
We own the widest product portfolio in rail transit. According to the statistics of international consulting institutes, the annual revenue from new products of CRRC has been taking the top position for 8 years in row since 2008. Now in the global markets of 9 major rolling stocks, CRRC enjoyed the largest market shares in the fields of electric locomotive, high speed train, passenger coach, freight car and metro vehicles.

We are promoting modern IT technologies like Internet, Internet of things, cloud computing and big data, and expanding our services to finance, logistics, trade, e-commerce, LC maintenance and project contract, so as to create the maximum value for you.

REVENUE



PROFIT FOR THE YEAR ATTRIBUTABLE TO OWNERS OF THE COMPANY



REVENUE AND PROFIT FOR THE YEAR ATTRIBUTABLE TO OWNERS OF THE COMPANY OF CRRC IN PAST 4 YEARS (UNIT: BILLION YUAN)

# CONTENTS



## CRRC

WE HELP IN THESE WAYS

- Solutions for Passenger Transport on Trunk Lines
- Solutions for Freight Transport on Trunk Lines
- Railway State Management Solution
- Solutions for Urban Mass Transit: A Green, Smart and Human-oriented City
- Solutions for City Operation Service

WE SHARE WITH YOU THE BEST EXPERIENCE OF CRRC

- The Miracle of China's HSR
- Upgrade Solution for Rio Rail Transit
- Solutions to Heavy-haul Transport in Australia
- Industrial Cooperation with South Africa
- 4S-mode Maintenance Solution in Malaysia
- BT Project for Tram Transport in Nanjing

WE ENSURE THE QUALITY OF OUR SERVICES WITH

- An Open Innovation System
- Scale and Lean Production
- 24H Global Services

WE ARE WHEREVER YOU ARE

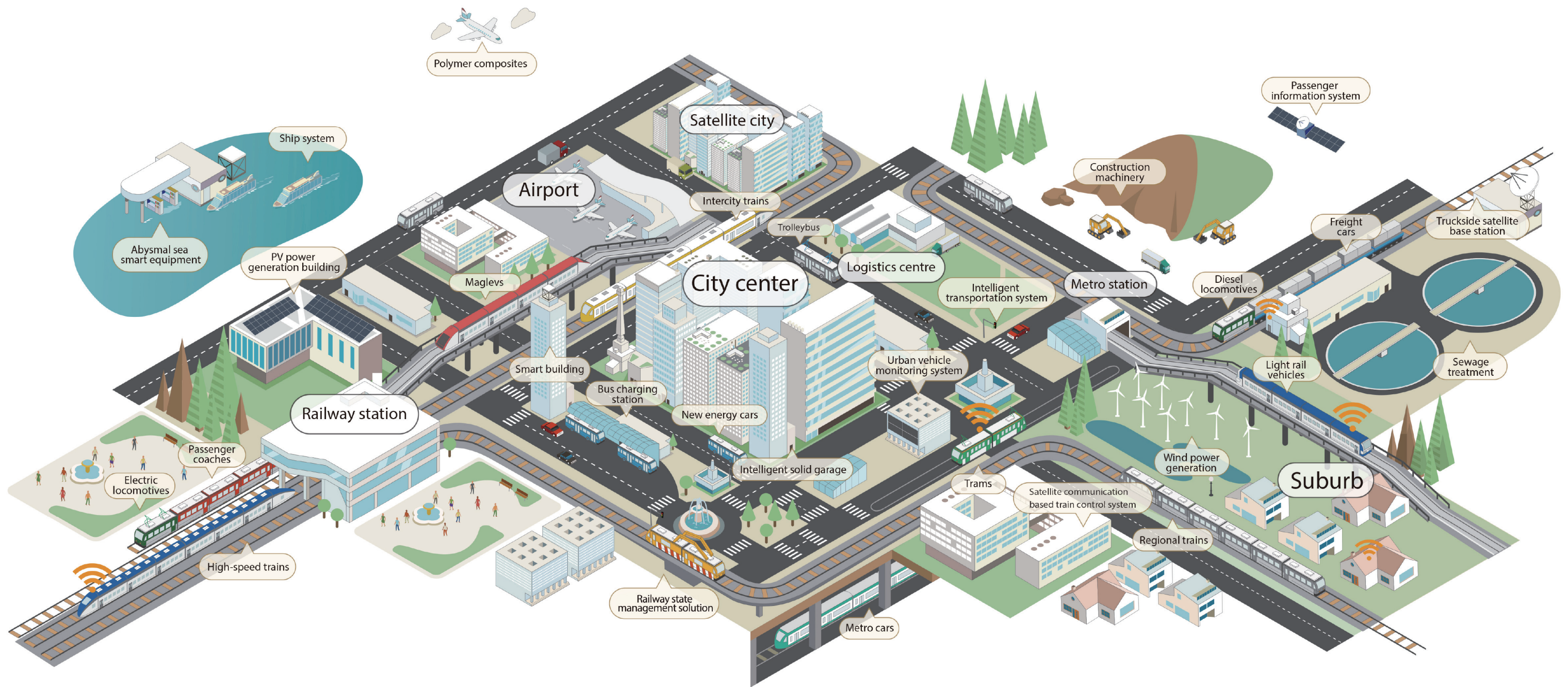
- In China
- In the U.S.
- In the U.K.
- In Malaysia
- In South Africa

THIS IS OUR AIM

# WE HELP IN THESE WAYS

Along with the continuous increase of global population, the deepening of world economy connections and the expansion of economic and social circles, the challenges of harmonious coexistence between human and environment become tougher. More and more countries, organizations and elites are actively seeking for the approaches of sustainable development, which are badly needed in transport and city.

We have been expecting to exert our advantages and assist each city manager and transport operator, through full-value development and service, to seek for the unique solutions for integrated rail transit system and city operation service, which are green, smart and human-oriented. We help you to fully understand your demands and simplify the complex and find out the best products.



# SOLUTIONS FOR PASSENGER TRANSPORT ON TRUNK LINES



China has the largest population on its vast territory. In 2016, China Railway completed passenger transport of 2.8 billion person-times. Wherever in Qinghai-Tibet Plateau with the world's highest latitude, in the hot Taklimakan Desert, in the city clusters with population more than 100 million persons, or in the small border town with temperature of -30℃, products of CRRC work well. Tremendous traffic volume and complicated operation environment give birth to the strong adaptability and superior quality of CRRC products, which offer more choices and reference for global customers.

ROLLING STOCK	RAILWAY AUTOMATION	PASSENGER SERVICE
High Speed Train	New Satellite-based Train Control System	Passenger Service System
EMU / DMU	Onboard Automatic Train Protection System (ATP)	Onboard WiFi System
Electric / Diesel Passenger Locomotive		
Passenger Coach		

## High-speed Train

Family products of CRRC high-speed trains cover the speed levels from 200km/h to 380km/h, include different types like seat train and sleeping berth train, and have features as high speed, high safety, high comfort, less energy consumption and strong adaptability. The new Chinese standard high-speed train uses standard, serial and modular design, allows customized manufacture and caters for operation requirements of various environments.



## EMU

EMUs at three speed levels as 140km/h, 160km/h, 200km/h are featured with large capacity, quick stop & start, easy boarding, efficient evacuation, safety, reliability, energy saving and environmental protection.



## DMU

DMUs include two types as distributed power ones and centralized power ones, with the maximum running speed of 180km/h.



## Electric Passenger Locomotive

Typical products of CRRC's electric passenger locomotives are AC-drive electric ones with shaft power as 1,200~1,400kW and speed range of 160~200km/h.



## Diesel Passenger Locomotive

Diesel passenger locomotives with power ranges of 750~4,500kW and the maximum running speed of 160km/h, could meet different requirements on wheelbase, axle arrangement, gauge and standard worldwide.



## Coach

25 series of coaches at 120km/h, 140km/h and 160km/h are the typical ones. 25T plateau coaches have been run safely and stably on Qinghai-Tibet Railway for more than 10 years.



## Passenger Information Service System

Based on satellite communication technologies, WiFi inside compartment is realized. The information system composed of WiFi and new generations of information terminals including smart window and information mirror, could meet passengers' requirements on information such as Internet access, compartment WLAN entertainment and TV live, making the travel full of joy.



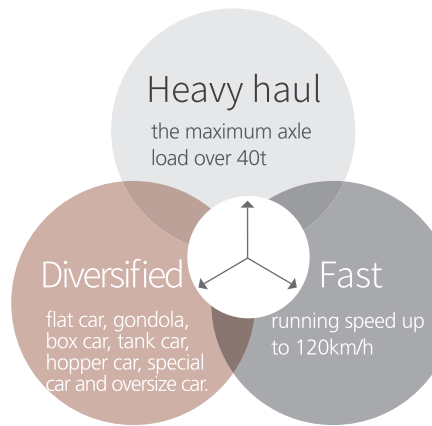
# SOLUTIONS FOR FREIGHT TRANSPORT ON TRUNK LINES



According to your specific requirements on heavy haul, fast transport, special cargo and oversize cargo, we offer solution packages for rail-based logistics equipment, including locomotive, freight car, onboard system, fixing device and container. These solutions enable higher efficient, safer and more economic railway freight services.

ROLLING STOCK	CONTROL SYSTEM	LOADING PRODUCTS
Electric Freight Locomotive	Multi-locomotive Heavy Haul System	Bulk Cargo Loading & Unloading System for Freight Car
Diesel Freight Locomotive	New Satellite-based Train Control System	Loading & Fixing Equipment
Freight Car	Onboard Automatic Train Control System	Container

## Freight Car



## Electric Freight Locomotive

Our electric freight locomotives use modular system integration technologies and single-axle-control converter technologies, with the largest shaft power of 1,600kW and the maximum axle load of 30t. Tens of thousands of locomotives perform reliably under different gauges, power supply systems, climates and environments all over the world, with total operation mileage completed more than 2 billion kilometers.



## Diesel Freight Locomotive

Based on the diesel freight locomotive platform of proven technologies, reliable performance and superior quality, family products with different axle arrangement and traction powers are developed and reflect the leading level of world heavy haul locomotives. Up to now, we have exported diesel locomotives to more than 20 countries and areas.



## New Satellite-based Train Control System

The system combines satellite communication technologies and traditional wireless communication technologies, optimizes the functions of train monitoring system and realized such functions as train positioning in the whole network, real-time train-ground data transmission, remote monitoring & diagnosis and remote expert support.



## Bulk Cargo Loading & Unloading System for Freight Car

The system is applicable to movable loading operation in electrified sections with bulk cargos. It is equipped with automatic train ID identification system and automatic diagnosis system.



## Loading & Fixing Equipment

The equipment could optimize the carrying structure without change of the car, thus, it makes the car meet the requirements of special cargo transport and improves greatly safety and economy of cars.



## Container

We offer various container products like tank container, detachable-collapsible container, house container and corn container, which, featured with light weight, modular design and standard parameters, could transport all kinds of goods, short transport time, increase convenience improve car use efficiency and better capital return.





# RAILWAY STATE MANAGEMENT SOLUTION

We are able to provide life-cycle state management solutions to railway infrastructure and vehicle products and meet the one-stop demands on the maintenance of key OCS components, inspection and repair of rail surface and interior flaw, cleansing of rail equipment and equipment in tunnel wall, inspection and maintenance of vehicle products, etc.

TRACK STATE MANAGEMENT	PORTABLE EQUIPMENT MAINTENANCE
Lifting Rescue	Vehicle Maintenance
OCS Erection Maintenance	Vehicle Inspection And Maintenance And Backup Management
Track Maintenance	Turn-Key Service
Track Maintenance in Tunnel	

## Lifting Rescue

The maximum load moment of railway crane is 1,760t-m, the highest among all the cranes of the same type in the world. The railway crane is able to offer rail vehicle accident rescue, erect bridge and architectural components, load and unload massive freight, installation of large-sized equipment, laying and maintenance of rail track, etc.



## OCS Erection Maintenance

The OCS maintenance product applies double-power unit and possesses the modes of high speed and low speed operation. It is able to do almost all the maintenance work including comprehensive track inspection and repair, bridge and tunnel inspection, as well as emergency rescue.



## Track Maintenance

Inspection and maintenance mainly for rail surface and interior flaw and defect.



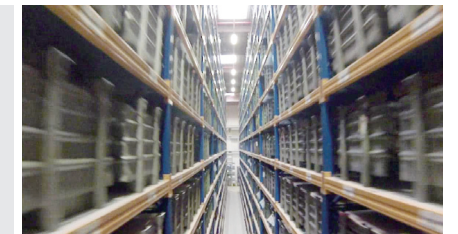
## Track Maintenance in Tunnel

Metro tunnel cleansing by means of high-pressure water rinsing, round brushing, vacuum recovering, as well as cleaning by membrane pump.



## Component Management Solution

Establish a component storage that is well-equipped and controllable based on the vehicle operation state and industrial development foundation, greatly balancing the fittings with the waiting time for inspection and repair.



## Vehicle Maintenance

Always ensure that the vehicle product and track are running at their best conditions and maximize value with minimum LCC whether to establish a brand-new maintenance center, to upgrade the existing equipment, or to train the local employees.



# SOLUTIONS FOR URBAN MASS TRANSIT: A GREEN, SMART AND HUMAN-ORIENTED CITY



Whether should we develop public transport or relax control over the number of private cars? Which plan is better, metro or magnetic suspension train? How to choose the rail transit mode that is in line with city planning by utilizing spatial resources in a more reasonable way? Ever since 1960s, CRRC began to be dedicated to the research on urban rail transit solution and various related products, and provide tailored products for each city based on urban passenger flow and travel distance, etc. At present, CRRC has established the development platform for urban rail transit vehicles of all types and sold its products to the whole world.

ROLLING STOCK	URBAN TRANSIT INTERNET PLUS
Metro Car & Light Rail Vehicle	Urban Rail Vehicle Monitoring System
Intercity EMU & DMU	Public Transit WLAN System
Tram	Comprehensive Smart Transit Management System
Monorail Vehicle	Integrated Urban Transit Information Collection System
Maglev Train	
Regional Train	
New Energy Bus	



### Metro Car & Light Rail Vehicle

CRRC owns almost a hundred metro and light rail products falling into four categories. Besides ensuring safe large-capacity transport, it can also provide unique solutions concerning unmanned driving, corrosion-resistance, lightning protection, explosion prevention, and light weight, etc.



### Intercity EMU & DMU

Various traction modes can be applied for intercity EMU & DMU, such as OCS electrical receiving, diesel power traction, and dynamic battery pack. With a velocity range from 120km/h to 250km/h, it is very suitable for city travels.



### Tram

The tram, including 70% and 100% low-board types, is able to apply multiple dynamic module units such as ground power receiving, fuel cell, or supercapacitor. It is featured with no OCS, zero emission, great capacity of curve negotiating, flexible marshalling, and excellent climbing capacity, etc.



### Regional Train

The regional train, an all-purpose rail vehicle, applies pantograph with double power supply mode and can switch freely between OCS for high speed EMU and OCS for metro train. The speed grade of regional train is twice of that of metro train, and coupled mode can be applied for huge passenger flow in peak days.



### Monorail Vehicle

The monorail vehicle is featured with small turning radius, great climbing capacity, and low noise. It is suitable to operate through mountainous cities with complex geological conditions, in old cities hard for renovation, tourist cities, and city areas where big noise is prohibited.



### Maglev Train

The climbing gradient of maglev train can be as high as 70%, twice as much as that of metro vehicles. The minimum turning radius can be 50m, which make it more flexible and reasonable for track alignment and setting up station. The interact vibration and impact of vehicle component and track infrastructure are small, noise lower than conventional wheel/rail vehicles, which greatly improves the riding comfort for passengers.

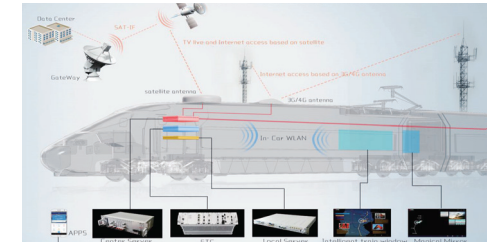
### New Energy Bus

The new energy bus works on the last kilometer for "zero emission", and CRRC is able to provide multiple dynamic solutions including fuel cell, supercapacitor, and hybrid power, etc.



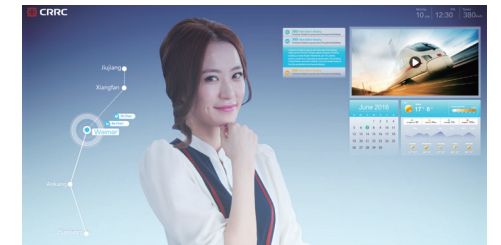
### Urban Transit Internet+

Based on the blowout development of global internet technology, we continuously integrate new technology with the existing products to come up with smart transit solutions, providing better travel experience for you.



**Urban rail vehicle monitoring system** – being able to perform operation inspection, remote flaw diagnosis, and unmanned driving for all the urban and suburban public vehicles.

**Public transit WLAN system** – Based on satellite and 3G/4G network, it can always maintain connection at terminal.



**Comprehensive smart transit management system** – It keeps effectively integrating advanced technology, data communication and transmission technology, electronic sensing technology, control technology and computer technology to the ground transit management system, therefore being able to carry out a comprehensive transport management that is real-time, accurate, efficient, and covers the entire city.





# SOLUTIONS FOR CITY OPERATION SERVICE

We concern your city life quality. We hope to make the city a livable place, convenient, smart and environment friendly. We use our professionalization to supply ultimate solutions to integrated urban operation service, following your concern on high quality life in an all-around way.

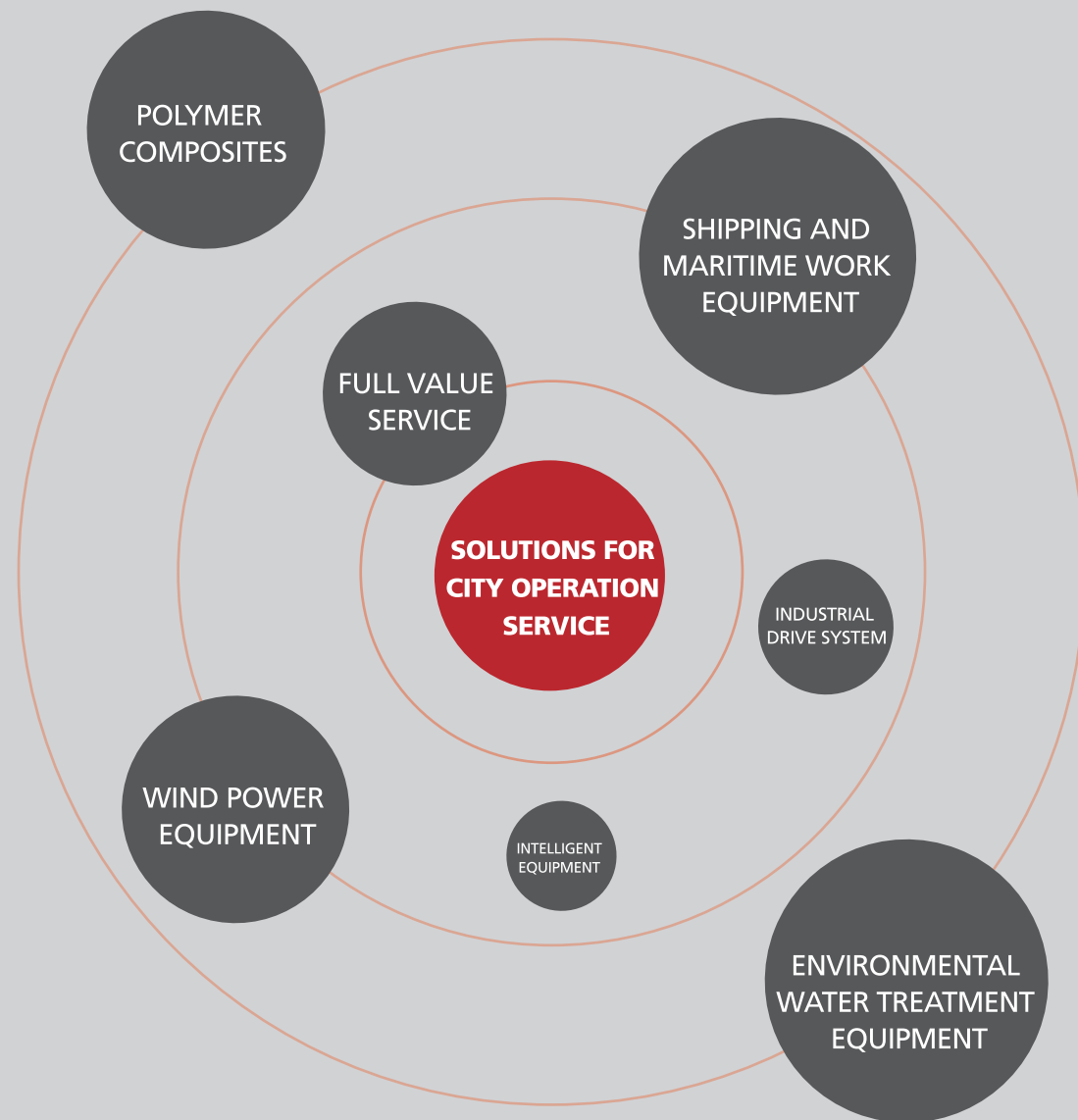
We care about your breathing health -- the whole set solutions to photovoltaic power generation and wind power generation which apply to different conditions provide you with zero-pollution energy.

We focus on your water source quality -- the complete industrial chain from water supply to sewage treatment provides you with clean water source.

We pay attentions to the taste of your city -- the total package ability of engineering machinery and infrastructure provides you with the solutions to urban infrastructure construction.

We concentrate on your smart life -- the informationization solutions to modular building and intelligent building provides you with smart buildings.

EQUIPMENT FOR URBAN OPERATION SERVICE	FULL VALUE SERVICE
Wind Power Equipment	Consultation And Service Of System-Wide Transport Solution
Polymer Composites	Transport Planning And Engineering
Environmental Water Treatment Equipment	Solution To Whole Industrial Chain Upgrade
Shipping And Maritime Work Equipment	Green Logistics
Industrial Drive System	PPP, BT and BOT Services
Intelligent Equipment	Financing and Leasing
Heavy Engineering Machinery And Mining Machinery	
Information And Software Technology	



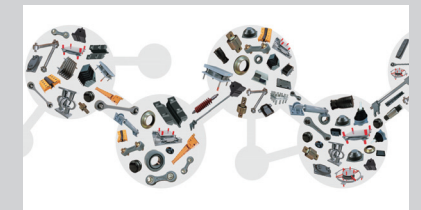
### Wind Power Equipment

The megawatt wind driven generator has been exported to Germany, the first time that such product enters EU market which represents the top level of the industry; the wind turbine generator system employed in plateau environment bears good reputation in domestic market and has become customer's first choice; the wind power blade has entered top three in Chinese market.



### Polymer Composites

We are the supplier of elastic components to many famous manufacturers of the industry around the globe; we are listed in the world's top 30 non-tire rubber products and are number one in China by being acknowledged as vice-chairman unit of China Rubber Industry Association and president unit of Rubber Products Branch.



### Environmental Water Treatment Equipment

We give full play to technical and resource superiority, i.e. composite reverse osmosis membrane technology and vacuum and environmental protection treatment to develop eco-environment protection equipment for treatment of drinking water, urban and rural sewage and industrial waste water, forging ecological protection industry platform.



### Shipping And Maritime Work Equipment

We merged the world-renowned British company SMD and the deep sea robot ranks the third in the global market share.



### Full Value Service

Being part of your carrier and your lifelong partner has always been our pursuit and we keep expanding our service range to achieve this pursuit. CRRC today is not only a track equipment supplier, but also an all-around service supplier for green and sustainable development consultation, engineering construction and traffic operation; besides, we based on project requirements, provide multi-pattern financial services, i.e. PPP, BT, BOT, financing and leasing.



# WE SHARE WITH YOU THE BEST PRACTICE OF CRRC



## The Miracle of China's HSR

China registered over 22,000km in HSR route length and over 5bn in passenger volume. The total 2,600 sets of HSR trains (being eight-car formation) of CRRC recorded over 3,740,000,000km in safe operation, shortening the traveling time from Beijing to Tianjin and that from Beijing to Shanghai to 30min and 4h respectively and making the trip from Beijing to Guangzhou a red-eye one. By and large, high-speed railway transforms people's mobility. Based on the statistics from UIC and ERA, China High speed train enjoys the highest reputation in the aspects of safe operation in the world.

CHINA



## Upgrade Solution for Rio Rail Transit

Rio de Janeiro, the second largest city in Brazil, is home to 6.3mn people and the host to the 2014 World Cup and 2016 Olympic Games. How to accommodate its public transport to the needs of major sporting events? Since the beginning of 2008, CRRC designed - in light of the hot weather, the traffic condition and the state of facility on the ground - Rio Metro Line 1A, Metro Line 4, suburban line. The total of 604 Metro cars and EMUs shoulder about 82% of the transport capacity of the city, which is highly praised by our Brazilian counterpart.

RIO



## Solutions to Heavy-haul Transport in Australia

In 1999, Australia, the latecomer of the international mining industry, urgently needed equipment upgrade for a cut in operational cost and for an improvement in competitive strength. CRRC provided for its Australian customers tailor-designed solutions to its challenges in heavy-haul transport on main lines, namely the 40t-axle-load freight train with electropneumatic braking system and brake unit, as well as the high-power AC-driven diesel locomotive. The reliability and the outstanding performance promise huge revenue for the customers. From 2000 to 2015, CRRC exported over 15,000 gondola cars, flat cars, tank cars, hopper cars and etc. to Australia. Heavy load wagons meet the needs of 37,760t train at a higher speed. The total mileage completed by freight locomotives exceeds 4,000,000km, promoting the product upgrade in the country.

## AUSTRALIA



## Industrial Cooperation with South Africa

The leading subsidiaries of CRRC headed to South Africa for industrial cooperation with local counterparts, so as to boost the development of rail equipment in the country. The effort gives rise to the manufacture bases for electric locomotive, diesel locomotive, motor and other core components. The concept of "manufacture by, purchase and employ from South Africa" facilitates the equipment and industrial upgrade of the country, making CRRC one of the South Africa's most responsible partners in the field.

## SOUTH AFRICA



### 4S-mode Maintenance Solution in Malaysia

Given the customer's need of maintenance and repair throughout the equipment lifecycle, CRRC works to provide systematic solutions to its Malaysian customers in light of the status quo of the rail transit system in the country. The Kuala Lumpur Maintenance Sdn. Bhd. – the first 4s shop built that focuses on vehicle “standard”, “spare parts” supply, after-sale “service” and “survey” – was built in the country's capital. It now promises over 50% of local purchase and over 85% of local employment.

## MALAYSIA



### BT Project for Tram Transport in Nanjing

In 2013, CRRC adopted the BT mode for the tram project in Hexi District of Nanjing. Thanks to the well-developed management system for investment and financing, technical design, engineering and construction venue, quality and safety and other key links, CRRC completed the track laying - totaled 7.7km in length – and the car purchase, with the choice being 100% low-floor tram with no OCS system, in a span of 18 months. The tram service was opened to traffic as scheduled for the Youth Olympics in August 2014.

## CHINA





WE ENSURE  
THE QUALITY OF  
OUR SERVICES WITH

## AN OPEN INNOVATION SYSTEM

We seek to integrate your needs and originality into each and every one item of our research and development. With rich experience in products development, an open innovation system and high response speed, we are able to design products best fitting you.

We boast 11 state-level research and development institutions, 20 state-level corporate technical centers, 12 overseas research centers and 50 provincial and ministerial research and development institutions. We have also established multiple innovation alliances with other renowned research institutions and institutions of higher learning. Our product technology research and development system covers the whole technological chain ranging respectively from embedded underlying software technologies to application-level control software technologies, from fundamental technologies and industrial general technologies to key product technologies, and from system integration technologies to product engineering development realization technologies. Our products cover the whole industrial chain ranging respectively from chips to printed circuit boards, from parts to modules and components, and from systems to complete machinery and vehicles. With these, we are able to offer you tailored products based on customized research and development and your individual needs.



## SCALE AND LEAN PRODUCTION

We are leading the industry in terms of the scale of our manufacturing bases and production. We boast the world's largest manufacturing bases in the field of high-speed EMUs, electric and diesel locomotives, freight coaches and cars, urban rail and metro products.

Consistent and huge demands in the domestic market have combined to give birth to our strong manufacturing capabilities and our well-developed global parts supply system. Combined with the introduction of lean manufacturing and outstanding team collaboration, they have enabled us to complete product manufacturing with shorter production cycles, finer technologies and stronger cost control capability, meeting your demands in product delivery time, quality and price.



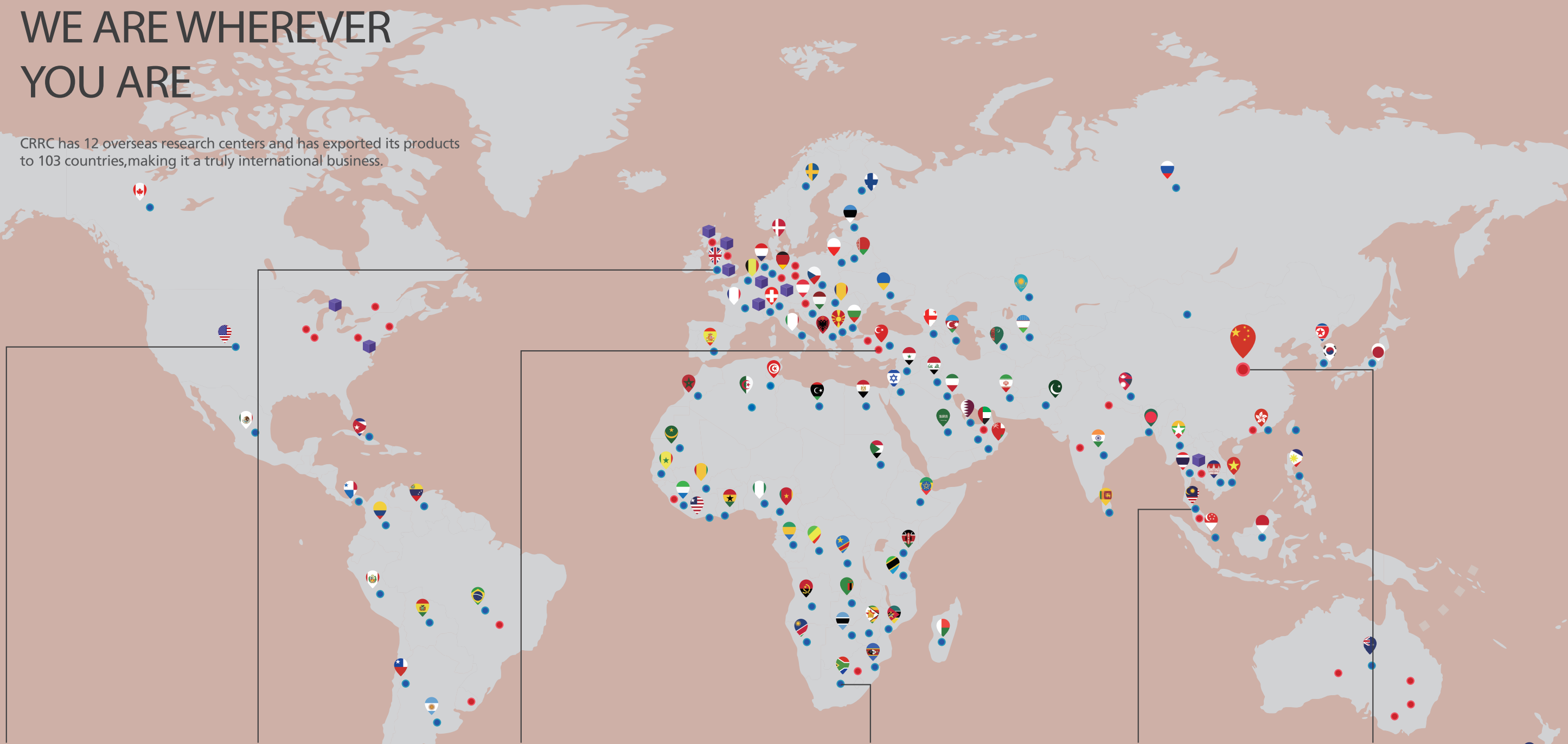
## 24H GLOBAL SERVICES

The service network of CRRC covers the globe. Our rich experience in operation ensures our capability to keep your waiting time and costs to a minimum at any time anywhere.

Our advanced technologies keep products under your watch around the clock. We receive and answer your questions with thoughtful services around the clock. Our complete service network ensures that our service team can arrive at the scene within 24 hours. This is what we mean by our 24H global services.

# WE ARE WHEREVER YOU ARE

CRRC has 12 overseas research centers and has exported its products to 103 countries, making it a truly international business.



### In the U.S.

Our effort to keep the old Westinghouse plant building in Springfield prompted local residents to spontaneously put up a banner saying "Welcome CRRC".



### In the U.K.

We continued to employ original employees after our merger with and acquisition of a local company and spared no efforts in helping increase their earnings.



### In Turkey

We delivered on our promise to our customers by using planes to transport trams when timely delivery by sea had been out of the question given an ongoing typhoon.



### In South Africa

One group of employees upon another go to China for training before assuming new posts.



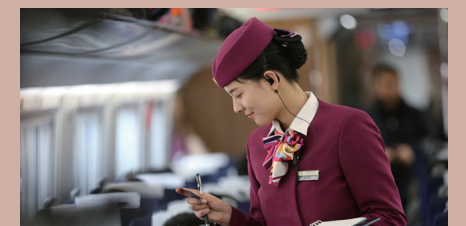
### In Malaysia

Local employees exchanged their vows of marriage in our carriage.



### In China

We offered transport means for 325 million passengers during the Chinese lunar new year transport season, helping realize the annual migration of the largest scale in the world.



# THIS IS OUR AIM

TO MAKE OUR CITIES SAFER,  
SMARTER AND GREENER

TO MAKE OUR CONNECTIONS MORE  
COMFORTABLE, FASTER AND DEEPER

TO MAKE US CLOSER TO OUR DREAM AND  
OUR FUTURE

CONNECTING THE WORLD  
THROUGH BETTER MOBILITY



CUSTOMER-ORIENTED  
RESPONSIBLE  
RELIABLE  
CREATIVE

CRRC



## List of CRRC subsidiaries

CRRC Qiqihar Co., Ltd.  
 CRRC Changchun Railway Vehicles Co., Ltd.  
 CRRC Shenyang Co., Ltd.  
 CRRC Dalian Co., Ltd.  
 CRRC Tangshan Co., Ltd.  
 CRRC Beijing Erqi Locomotive Co., Ltd.  
 CRRC Beijing Erqi Vehicle Co., Ltd.  
 CRRC Beijing Nankou Co., Ltd.  
 CRRC Shijiazhuang Co., Ltd.  
 CRRC Datong Co., Ltd.  
 CRRC Taiyuan Co., Ltd.  
 CRRC Yongji Electric Co., Ltd.  
 CRRC Shandong Co., Ltd.  
 CRRC Qingdao Sifang Co., Ltd.  
 CRRC Sifang Co., Ltd.  
 CRRC Luoyang Co., Ltd.  
 CRRC Xi'an Co., Ltd.  
 CRRC Lanzhou Co., Ltd.  
 CRRC Nanjing Puzhen Co., Ltd.  
 CRRC Qishuyan Co., Ltd.  
 CRRC Yangtze Co., Ltd.  
 CRRC Ziyang Co., Ltd.  
 CRRC Meishan Co., Ltd.  
 CRRC Zhuzhou Locomotive Co., Ltd.  
 CRRC Zhuzhou Electric Co., Ltd.  
 CRRC Guiyang Co., Ltd.  
 CRRC Dalian Institute Co., Ltd.  
 CRRC Dalian R&D Co., Ltd.  
 CRRC Sifang Institute Co., Ltd.  
 CRRC Qishuyan Institute Co., Ltd.  
 CRRC Zhuzhou Institute Co., Ltd.  
 CRRC International Co., Ltd.  
 CRRC Logistics Co., Ltd.  
 CRRC Capital Management Co., Ltd.  
 CRRC Investment & Leasing Co., Ltd.  
 CRRC Finance Co., Ltd.  
 CRRC Construction Engrg. Co., Ltd.  
 CRRC Shenzhen Capital Management Co., Ltd.  
 CRRC Hongkong Capital Management Co., Ltd.  
 CRRC Hongkong Co., Ltd.  
 Beijing CNR CR Transportation Equipment Co., Ltd.  
 CRRC Information Technology Co., Ltd.  
 CRRC Shanghai Co., Ltd.  
 CRRC Industrial Institute Co., Ltd.  
 Guangzhou Locomotive Co., Ltd.  
 Tianjin Locomotive Co., Ltd.