CMEC

CHINA MACHINERY ENGINEERING CORPORATION



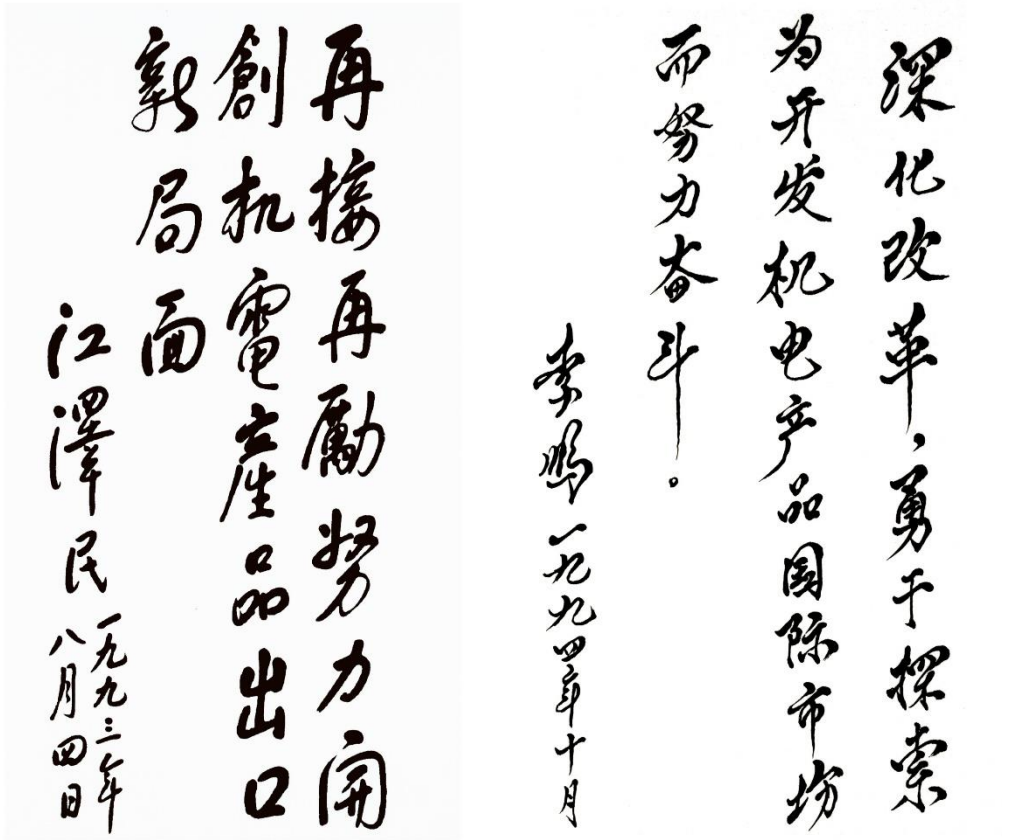
2022 Edition

中设集团
CMEC

01
Company Profile



Founded in 1978 as China's first engineering & trade company, CMEC has always been at the forefront of opening-up of China's machinery industry.



The inscriptions written and granted by Party and state leaders for CMEC

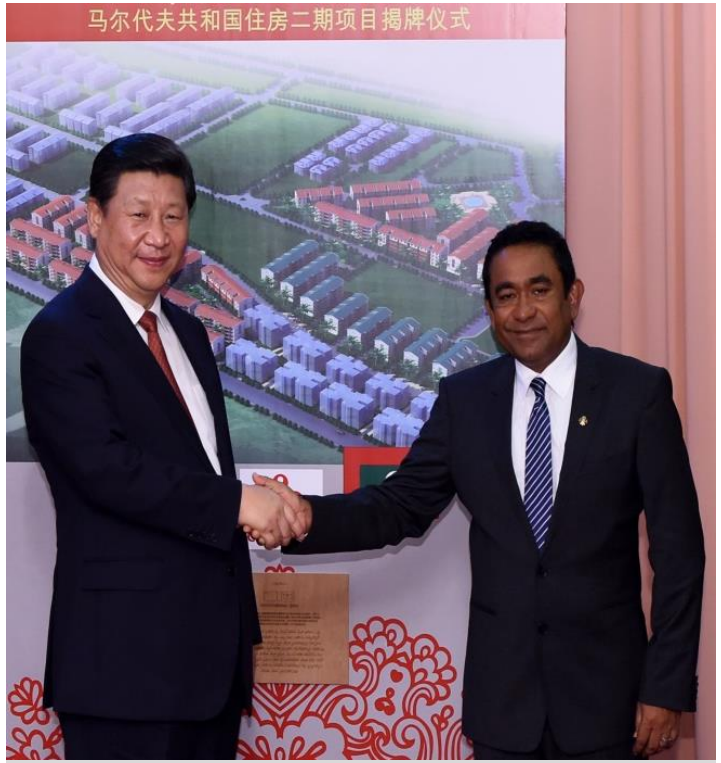


Jia Qinglin, the first general manager of CMEC, attended the renaming ceremony of CMEC.

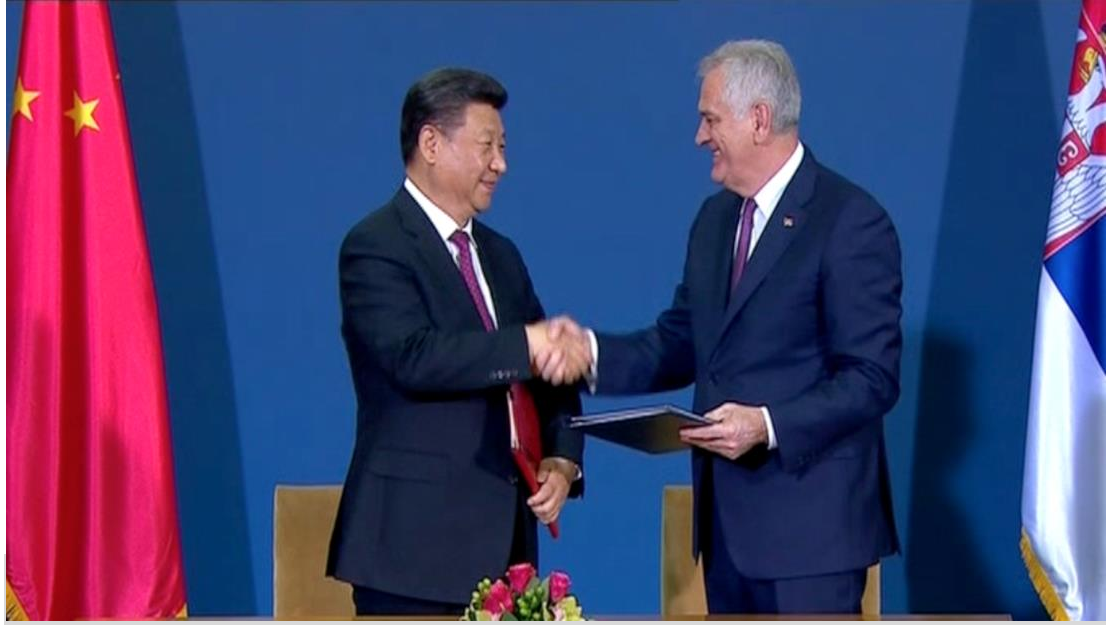
On vairous occations, Chinese President Xi Jinping has attended and witnessed the signing and inaugration ceremony of CMEC's overseas projects.



President Xi attended the launching ceremony of the Puttalam Coalfired Power Plant.



President Xi attended the inaugu ration ceremony of the Housing Units in Maldives.



President Xi witnessed the signing of the Project memor andum for the Treatment and Disposal of Urban Waste Water from the Central Area in Belgrade in Serbia.



President Xi attended the launching ceremony of the Belgrano Cargo Railway Rehabilitation Project.

CMEC's parent company is China National Machinery Industry Corporation (Sinomach), a state-owned backbone enterprise directly managed by the central government.

284st among Fortune Global 500

69th among Top 225 International Design Firms



35th among Top 250 International Contractors

By 2021

CMEC is the headquarters of the CMEC Group, which is comprised of six competent engineering contracting and design & consultation enterprises affiliated to Sinomach.



CMEC mainly engages in project contracting and industrial development, exploring domestic and international market, and contributes to creating the new development pattern of dual-circulation, with both domestic and oversea business presence.



中设集团
CMEC

02
Business Scope

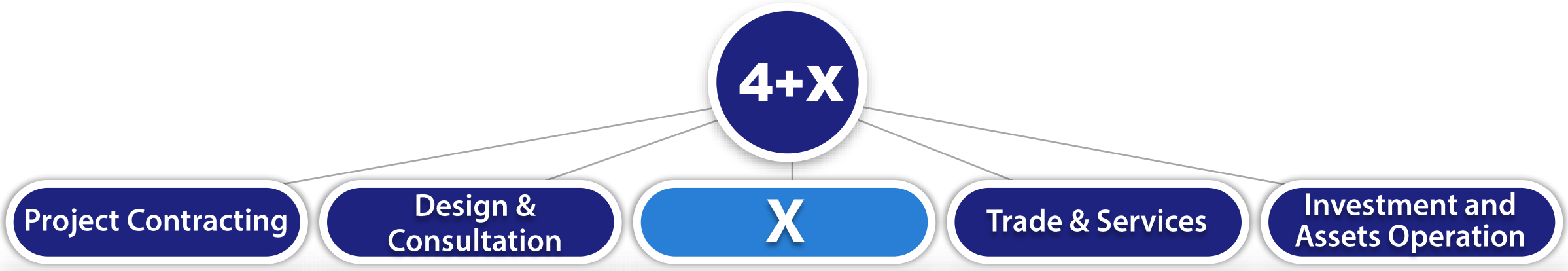


Since its early development as a commercial platform, CMEC has built a full industry chain with specialized competitive advantage in the field of engineering and construction.

One-Stop, Customized Solutions



A diversified portofolio of 4+X business has consolidated the foundation and opened up new space for the business development of CMEC.



Project Contracting

As one of the Chinese companies "going global", CMEC has engaged in over 500 large and medium-sized EPC projects in 60-plus countries and regions, and has become an important force for EPC projects in China.

Design & Consultation

CMEC boasts engineering & technological capabilities for surveying, mapping, geotechnical engineering, and geological disaster control, as well as for design related to electric power, architecture, municipal engineering, environmental protection and various industrial projects.

X

By centering around its main business of project contracting, CMEC keeps expanding its business areas and extending its industrial chain, actively fosters emerging business related to logistics and energy storage, and strives to create future-oriented development opportunities.

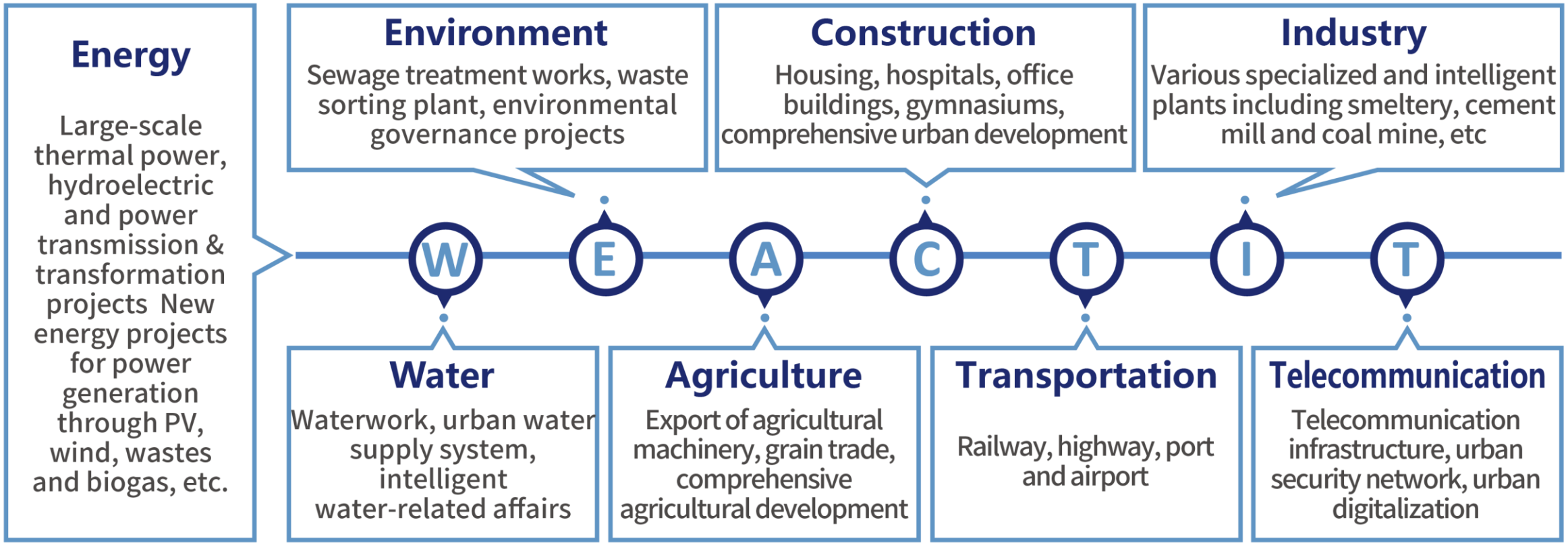
Trade & Services

Utilizing both domestic and international resources, the company actively advances technology R&D, manufacturing, international trade, system integration, supply chain construction, new energy, bidding and other business segments.

Investment and Assets Operation

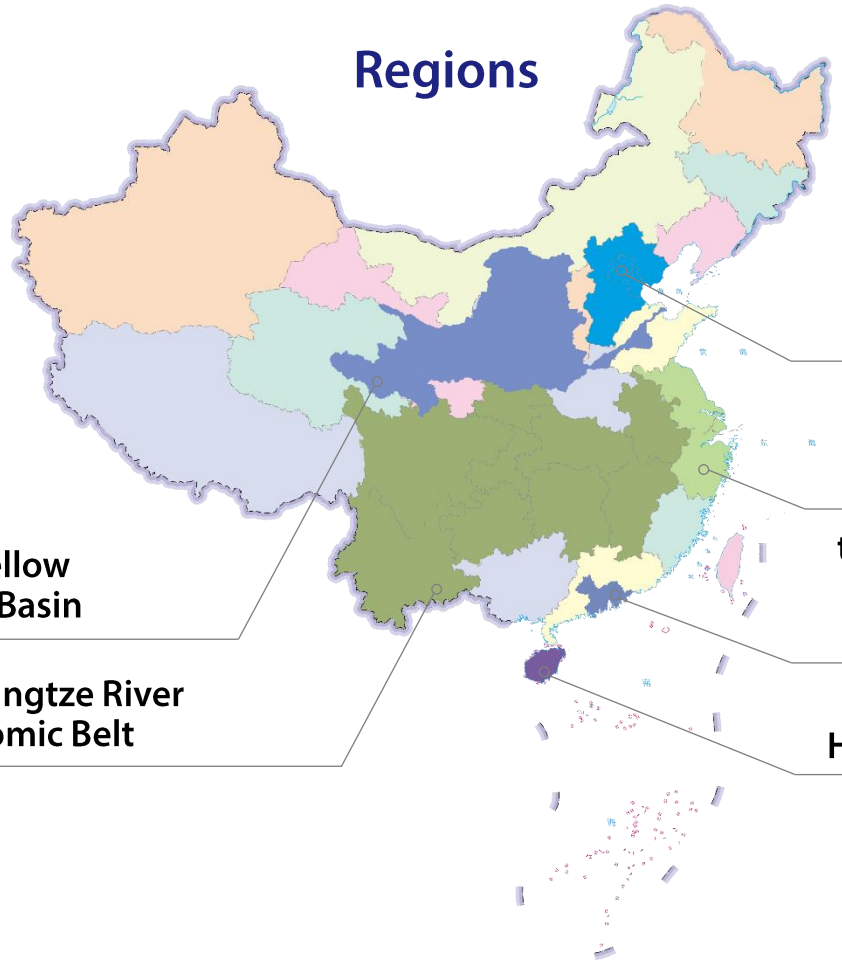
CMEC works to promote the integrated promote model of "investment, financing, construction and operation", and strives for sustainable development through high-quality investment and business operation.

With its focus on energy, green and specialized projects. CMEC fully engages in key industries pertaining to national economy and people's livelihood at home and abroad.



CMEC implements its strategy of "ensuring stable overseas business development and exploring domestic business opportunities". CMEC continues to provide services to China's major strategies for regional development, and doubles its efforts to explore the domestic market.

Regions



- Beijing-Tianjin-Hebei coordinated development
- the integrated development of the Yangtze River Delta
- the Guangdong-Hong Kong-Macao Greater Bay Area
- Hainan Free Trade Port
- the Yellow River Basin
- the Yangtze River Economic Belt

Industries

- New Energy
- Data Center
- Industrial Park
- Smart City
- Cold-chain logistics
- Medical Building
- Rural Revitalization
- Ecological Restoration
- New Urbanization
- Urban Upgrading and Transformation

中设集团
CMEC

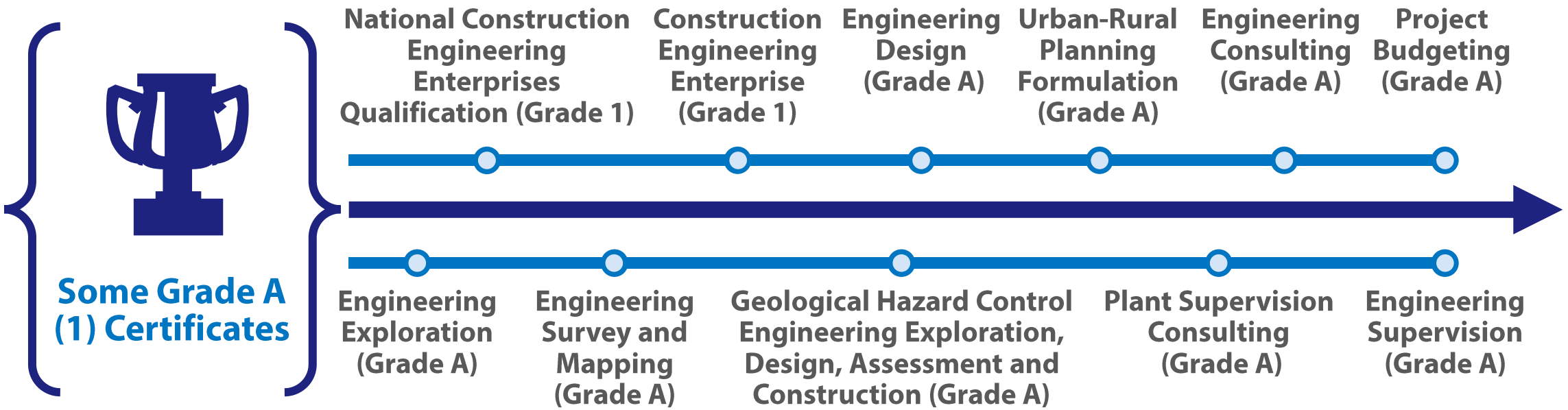
03

Distinct Competence



An A-to-Z solution provider

CMEC and its subsidiaries have been granted more than 110 certificates by national ministries and commissions, as well as provincial institutions



Specialized technical service capabilities

Five quality design and research institutes under CMEC fully cover the technical needs for the implementation of various projects.

China Machinery International Engineering Design & Research Institute Co., Ltd (CMIE)

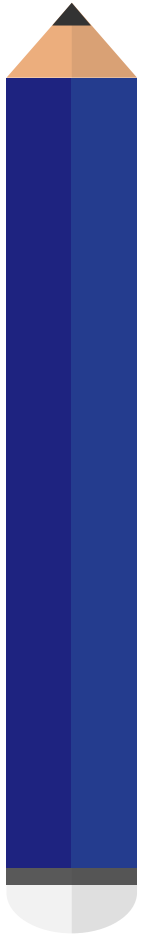
CMIE is at the industrial forefront in the fields of photovoltaic power generation, prefabricated construction, municipal construction, environmental protection, BIM application and smart factory construction.

China Jikan Research Institute of Engineering Investigation and Design (JK Institute)

Jikan Institute is an industry leader in geotechnical survey, air-space-earth mapping, urban and rural planning, ecological & environmental restoration, and municipal infrastructure construction.

China Power Construction Engineering Consulting Central Southern Company Limited

The company boasts whole-process engineering consulting and technical research capability in thermal power, new energy, environmental engineering, municipal utilities and other fields.



China Electric Design and Research Institute Co., Ltd

The company has leading advantages in smart logistics, smart cities, new energy, solid waste treatment, construction, municipal works and other fields.

Harbin Power Station Equipment Design and Research Institute Co., Ltd

The company has core competence in power station big data, power station engineering design & supervision, clean combustion, environmental technology, equipment R&D, etc.

Capabilities of high-quality and innovative financing

CMEC applies a flexible, diversified approach to provide reliable financing supports catered to each large scale and complex project.



Classic financing models

preferential loan, credit swap ,credit package, buyer's credit on exports, seller's credit on exports, assignment of accounts receivable, outward documentary bill, etc.

Innovative financing model

- Overseas engineering projects: Joint financing through multilateral financial institutions, financial institutions in developed countries and Chinese financial institutions;
- Domestic engineering projects: Diversified financing through "bank credit + financial leasing + bond + asset securitization";
- Trade service projects: transformation of commercial foreign debt into loan

Partnerships with global financial institutions – excellent capabilities for foreign exchange control – solid cash flow

High-level scientific & technological innovation Capabilities

CMEC pursues its business development driven by scientific & technological innovation and strives to enhance its technological capability and market competitiveness by centering on core demands of engineering projects.



High-end product

High-speed train brake disc, “four wheels and one belt”, high-end alloy metal



High-end technology

Smart factory, intelligent water-related affairs, sponge city, hydrogen production & hydrogenation, silo parking, space-air-ground IT application, prefabricated construction



High-end solution

Integrated solutions to construction of smart city and data center

Comparative Advantage in Engineering Logistics

With 30 logistics branches and offices across the globe, CMEC is capable of providing all-weather transportation including heavy-lift items for various engineering projects under complicated geological conditions.



Transportation of Cargo for the Kipeto Wind Farm Project in Kenya



Transportation of Cargo for Berezovskaya Com bined Cycle Power Plant&Lukolskaya Combined Cycle Power Plant



Transportation of Cargo for the Sainshand Wind Farm Project in Mongolia

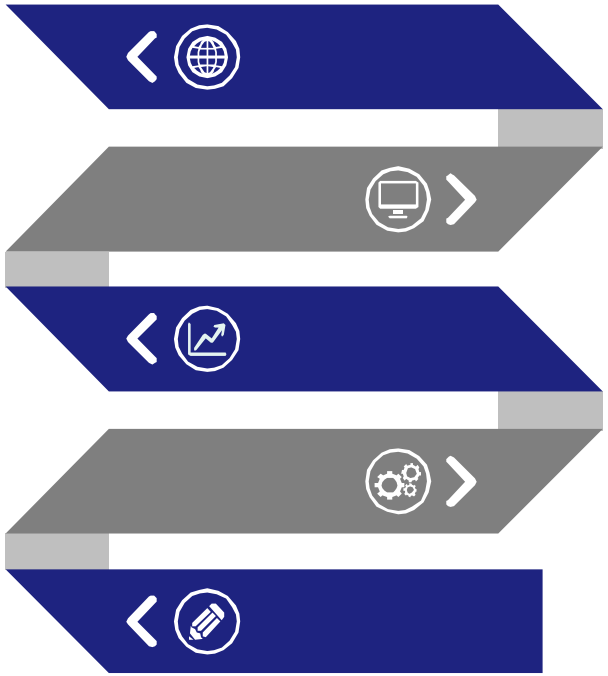
Comprehensive resource integration capabilities

By relying on its "circle of friends" and "ecosphere", CMEC integrates international and domestic resources and plays a unique role in bridging the "Dual Circulation".

Take the lead in encouraging Chinese companies in the industry to go global by partnering with China's leading enterprises in the industry.

Break the barriers between domestic trade and foreign trade through integrating domestic and overseas supply chains.

Promote rational market structure through third-party international cooperation.



Drive continuous industrial upgrading in China through introduction of capital, technology and equipment.

Through industrial chain empowerment and innovation, the company serves to build a domestic economic cycle.

Help the people at project location live a better life through global project construction.

中设集团
CMEC

04
Major Projects



The energy and new energy projects that CMEC undertakes have won the Luban Award (Overseas Project), China's highest award for construction projects for four times.





Eren （1+1）*600MW Supercritical Coal-fired Power Plant



Berezovskaya 427 MW Combined Cycle Power Plant



Soyo I Combined Cycle Power Plant



Nikopol 246MW Photovoltaic Power Plant Project in Ukraine

The Pakistani Thar project cluster is a flagship project of the China-Pakistan Economic Corridor and a representative project for CMEC's "integrated investment, financing, construction and operations".









CMEC has built in China six CMEC plazas, most of which house local industrial parks and high-tech zones.


Fengtai District, Beijing

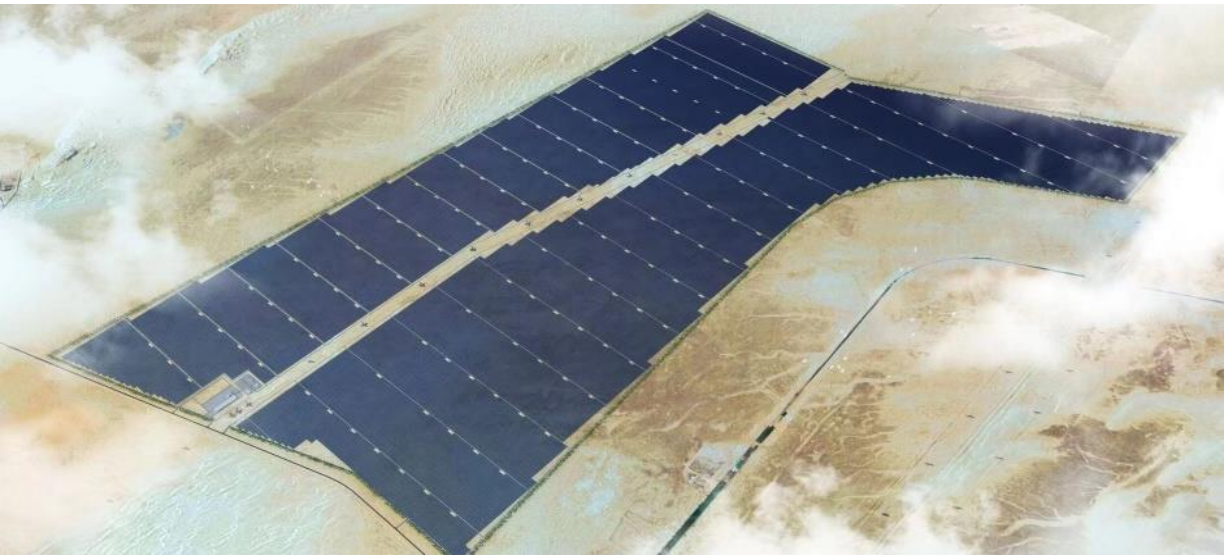

Xicheng District, Beijing


Luohu District, Shenzhen


Yuhua District, Changsha


Baoshan District, Shanghai


Weiyang District, Xi' an



Al Dhafra PV2 Solar Power Plant,UAE



CATL Sichuan Power Battery Manufacturing Base P5 Project



Beijing Shunyi District 26.88MW Household Distributed Photovoltaic Project



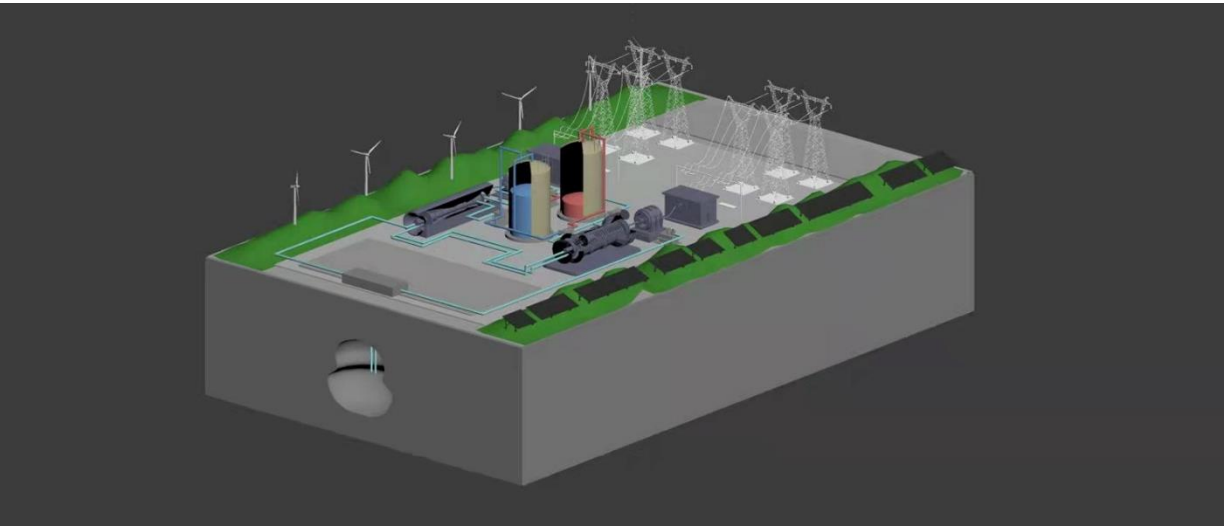
Kipeto Wind Farm Project,Kenya



WTE Power Plant Project In North Dhaka, Bangladesh



Shanxi Pengwan Qinggang Hydrogen Production (20,000t/yr) from COG Project



100MW/800MWh Advanced Underground CAES, Ye County, Ping Dingshan City, Henan Province



Biomass Power Generation Project of Guangzong, He Bei Province



The Package Project of KOSTOLAC-B Power Plant，Serbia



Salah Aldin 2x630MW Power Plant Project，Iraq



Project of 600MW Steam Turbine Power of Centro Power Plant，Venezuela



Jhang 1263MW Combine Cycle Power Plant Project，Pakistan



Neelum - Jhelum Hydro electric Project,Pakistan (4*243MW)



Imboulou Hydropower Plant ,Congo(Brazzaville) (4*30MW)



Zungeru Hydropower Project,Nigeria (700MW)



Murum Hygropower Plant ,Malaysia (4*225MW)



Transmission Line and Substations for Djibloho Hydropower Plant,Equatorial Guinea



Transmissionline Project in Congo(Brazzaville)



Lauca 400kV Transmission Line Project,Angola



Rehabilitation and Expansion of the Luanda Electricity Network Project,Angola



KAR Group Cement Plant in Qarachog,Iraq



ETI Mine-Bandirma Boron Carbide Production Plant Project,Turkey



Construction, Assembly and Commission of the Lithium Carbonate Industrial Plant



Henan Kaixiang Fine Chemical Industry Corp. 100000 Tons/Year PBT Series Product Project



Belgrano Cargo Railway Rehabilitation Project in Argentina,Argentina



Nay Pyi Taw International Airport Project,Myanmar



The Upgrading to Bitumen Standard of Main Road 67 Between Omakange and Ruacana,Namibia



Malabo University Town, Equitariol Guinea



Development of One Thousand Housing Units in Hulhumale Island, Maldives



Multifunctional Club of Mundi, Cameroom



Limbe Stadium Project, Cameroon



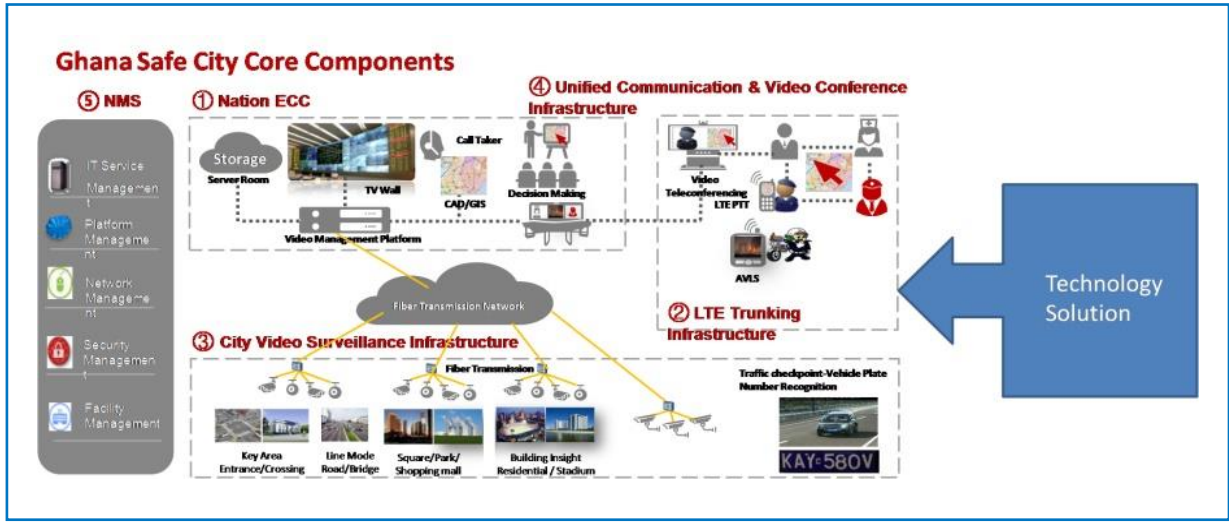
China Unicom Hengyang Big Data center



Tencent Internet Data Center Project



Development of National ICT Infra-Network for Bangladesh Government (Info Sarkar)



Integrated National Security Communications Enhancement Network,Ghana



the Construction of multidisciplinary hospital for 800 beds and a clinical diagnostic center (polyclinic) for 700 visits per shift in Shymkent, Kazakhstan



Zambia Hospital and Auxiliary Projects



Zhangjiajie Infectious Disease Hospital



New Setting of Guangming District People's Hospital in Shenzhen



Renovation of Old Residential Communities in Beijing



Xi'an Xianyang International Airport Expansion Project



Xiong'an New Area Planning and Design Project



Sponge Renovation Project in Xiejia and Tianshui District of Ningbo City



Djiri Drinking Water Treatment Plant Project, Congo(Brazzaville)



Smart Water Project (Phase I) of Longwang Port Basin in Xiangjiang New District, Hunan Province



Implementation of Gampaha, Attanagalla & Mimuwangoda Integrated Water Supply Scheme，Sri Lanka



Drinking Water Treatment Plant and Supporting Projects of Yaounde city，Cameroon



Kulunegala Sewage Treatment Plant， Sri Lanka



Shiyan Medical Waste Disposal Center in Hubei Province



Zhangjiagang Food Waste Resource Utilization and Harmless Treatment Project in Jiangsu Province



Pollution Interception and Treatment Project of Xingyun Lake, Yuxi City,Yunnan



Changsha Economic Development Zone Blockchain Industrial Park



Science and Education Industrial Park (Phase I) Project in Qujiang District, Quzhou City, Zhejiang Province



TianJin Ultra-micro Filtration Membrane Project with Annual Output of 1245 Tons



CRRC Offshore Wind Power Base in Yangjiang, Guangdong



Manufacturing, R&D and Trade of High-End Castings and Forgings



4,250 TEU Container Vessels Expoeted to Germany



Overseas warehouses and cross-border e-commerce platform



Italy smart electric meter supply project



JD Tianjin Unmanned Warehouse Project



Beijing Qianxi Crane Cold Chain Logistics Project



Anhui Huishang Agriculcure Products Intelligent Circulation Center



CRRC Yongji Intelligent Manufacturing Logistics Park



Soaring