



都市环保 (CCEPC)



— 专注环保 缔造绿色都市 —

FOCUS ON ENVIRONMENTAL PROTECTION AND CREATE A GREEN CITY

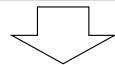
WUHAN CITY ENVIRONMENT PROTECTION ENGINEERING LIMITED COMPANY

WUHAN CITY ENVIRONMENT PROTECTION ENGINEERING (M)SDN BHD



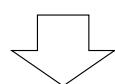
China Minmetals Corporation (**CMC**)

- Ranks 58th of the Global Fortune 500 Companies in the year of 2022



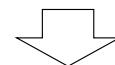
Metallurgical Group Corporation (**MCC**)

- Ranks 290th of the Global Fortune 500 Companies in the year of 2016



(WISDRI) .

- Founded in year 1955
- Top 10 of National Survey & Design Institute
- More than 5000 employees



Wuhan City Environment Protection Engineering (M) Sdn Bhd (CCEPC)

- Founded in year 2000
- Paid-up capital: CNY 920 Million (RM 600 Million)
- Annual Turnover Approx. CNY 15 Billion (RM 10 Billion)



- Environmental Engineering for EPCC Project—Class A Qualification
(Water and Air Pollution/Solid Waste Treatment)
- Thermal Power Generation for EPCC Project—Class A Qualification
(Power Plant Construction)
- Environmental Protection Engineering Project Contracting—Class A Qualification

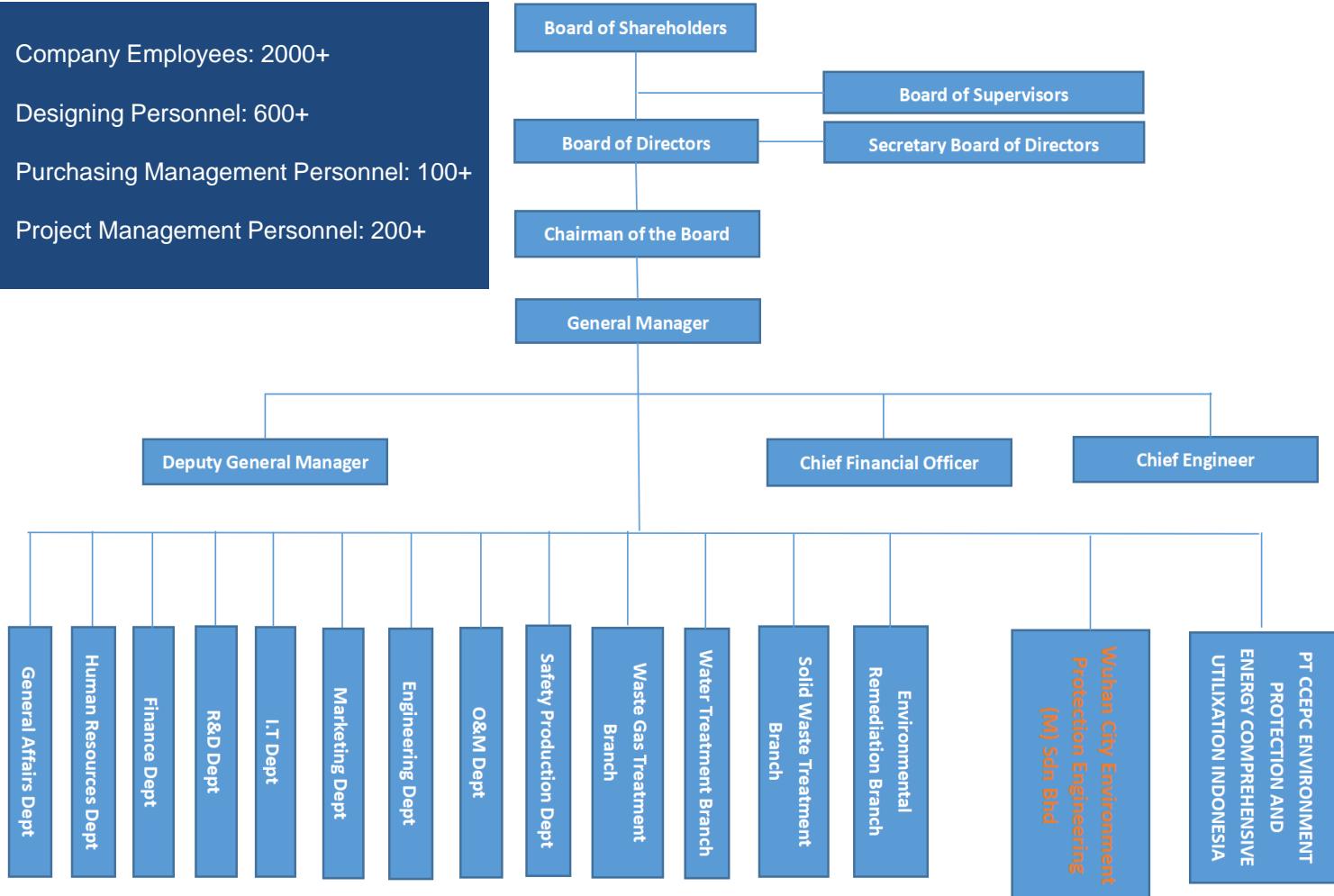




- Vice-Chairman of China Environmental Protection Industry Association
- China Top 10 Waste to Energy Design Institute
- National Torch Program Hi-tech Enterprise
- National Science and Technology Progress Award



- Company Employees: 2000+
- Designing Personnel: 600+
- Purchasing Management Personnel: 100+
- Project Management Personnel: 200+





Providing integrated service and system of 5 main segments as below including of:-

Consultation, Investment, Design and Build, Complete Equipment Supply, Construction, Operation and Maintenance (O&M), etc.



Clean Energy



Solid Waste Treatment



Waste Water Treatment



Flue Gas Treatment



Environment Remediation



Clean
Energy
Power
Plant

- Waste Heat & Energy Recovery
- Captive Power Plant for Industrial Park and Factory
- Distributed and Clean Energy
- Biomass Power Plant

Focus On Small Scale Power Plant

- Specialize in small and medium size ($<350\text{MW}$) waste heat and energy recovery unit, engineering and construction.

Wide Range of Parameters

- Parameters range from low temperature & low pressure to supercritical

Project References

- 30 plus Turbine-generator set has been be constructed and installed.



The World's First Waste Gas Reuse Supercritical Power Generation Unit (Consulting + EPCC + O&M)



- Location: Fangchenggang, Guangxi Province, China
- Capacity: 2x430t/h Supercritical Waste gas boiler + 2x145MW Turbine + 2x150MW generator
- Steam Parameters: 24.2Mpa /600°C
- Plant Efficiency: >43%

Vietnam Hoa Phat 6 × 60MW Power Plant Project-EPCC



- **10 × 70t/h Coking Waste Heat Recovery Boiler**
- **2 × 65t/h CDQ Waste Heat Recovery Boiler**
- **2 × 90t/h+1X190t/h Waste Gas Boiler Generator Set**



Indonesia Sulawesi and Maluku Project Group Power Plant Project-EPCC



- 8 × 380MW Coal-fired Power Plant EPC
- 6 × 250MW Coal-fired Power Plant EPC
- 2 × 100MW Waste Gas Power Plant EPC
- 2 × 65MW Coal-fired Power Plant EPC
- 1 × 7MW WHR Power Plant EPC



**Handan Steel Combine Cycle Power Generation (2×50MW),
Hebei, China**

邯郸钢铁联合循环发电项目,河北, 中国 (2×50MW)



**Wuhan Combine Cycle Power Generation (2×150MW), Hubei,
China**

武汉钢铁联合循环发电项目,湖北, 中国 (2×150MW)



**Tongling Combine Cycle Power Generation (4×15MW), Anhui,
China**

中信特钢铜陵联合循环发电项目,安徽, 中国 (4×15MW)



**NingBo Combine Cycle Power Generation (2×50MW),
Zhejiang, China**

宁波科丰联合循环发电项目,浙江, 中国 (2×50MW)



Shenglong Steel Rooftop Photovoltaic Power Generation (8.93MWp), Guangxi, China
盛隆钢铁屋面光伏发电项目, 广西, 中国 (8.93MWp)



Weda Bay Industry Park Rooftop Photovoltaic Power Generation (2MWp), Indonesia.
维达贝工业园屋顶光伏项目, 印度尼西亚 (2WWp)



Solid Waste Treatment

Waste to Energy



Agricultural Waste Disposal



Utilization of Construction Waste



Utilization of Metallurgical Solid Waste



Utilization of Tailing Resources



Utilization of Hazardous Waste Resources



Circulating Economical Industrial Park



Urban Eco-Industrial Park





Municipal Solid Waste in Guangzhou Province

Capacity : 1000t/d+22MW



- *National AAA Engineering Award
- *2009 Excellent Engineering & Design First Prize
- *2007 National Key Environment Protection Demonstrative Project



- First Medium Temperature & Sub-high Pressure WTE plant in China(6.5MPa/450°C)
- The first WTE project to use leachate concentration and back-spraying technology, the treatment cost of leachate is greatly reduced.
- The first WTE project to use the SNCR to reduce NOx emission. The NOx content in the exhaust gas is less than 200 mg/Nm³,
- The first WTE project to realize fly ash biological solidification, strictly control the pollution impact of hazardous waste;



Municipal Solid Waste in Shenzhen

Capacity : 8450 t/d +204MW



- * National High Quality Project Golden Award (Only one in WTE Industry)
- * Power Construction Excellent Engineering First Prize
- * National Project Construction Excellent Design First Prize



World's largest scale WTE plant,
totally 8,450t/d, including:-

- 1st Phase : 3x400 t/d Incinerator +2x12 MW
- 2nd Phase : 4x750 t/d incinerator +2x30MW
- 3rd Phase : 5x850 t/d Incinerator +3x40MW



Water and Waste Water Treatment Plant



Industrial Water Treatment Plant



High Concentration Organic Water Treatment Plant



Sewage Treatment Plant



Comprehensive Management of Water Environment



Wuhan Boaxie STP

- **Plant Capacity:**
Phase 1-70,000 m³/d
Ultimate-300,000 m³/d.
- **Process :****A²O (Anaerobic-Anoxic-Aerobic)**
- **Discharge quality : Standard A**
- **Project mode: Public Private Partnership**



HENAN Sanmenxia STP-Phase 1

- **Plant Capacity:**
Phase 1-30,000 m³/d
Ultimate-100,000 m³/d.
- **Process :****CSBR (Constant Continues Flow Sequence Batch Reactor)**
- **Discharge quality : Standard A**
- **Project mode: EPCC**



竹溪县东城新区污水处理一期工程 鸟瞰图



左岭污水处理厂提标改造工程总承包 (EPC) 鸟瞰图

中冶南方都市环保工程技术股份有限公司
WISORI CITY ENVIRONMENT PROTECTION ENGINEERING CO., LTD.

Hubei Zhuxi STP and Networking

- Plant capacity : 20,000m³/d
- Process: A²O (Anaerobic-Anoxic-Aerobic)
- Discharge quality : Standard A
- Project mode : PPP (Public Private Partnership)

Hubei Zouling STP-Modification and Improvement Works

- Plant capacity : 100,000m³/d
- Process: MMSBR ()
- Scope of works : Upgrade Pumphouse +Modification MMSBR tank+Construct new Settlement and Oxidation Pond
- Discharge quality : Standard A (IV)
- Project mode : EPCC



Flue Gases Treatment

- Dedusting
- Desulfurization
- Denitrification



Metallurgy



Petrochemical



Power Generation



Waste Incinerator



Cement



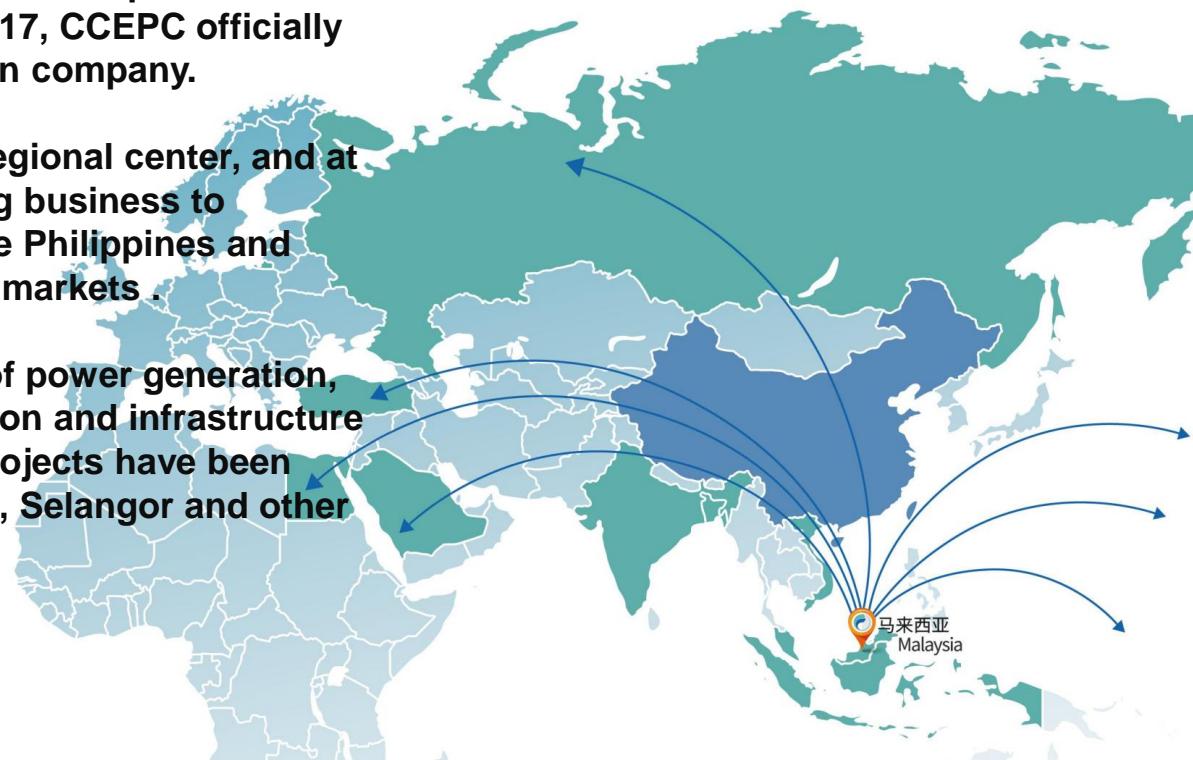
Non-ferrous Metal Smelting

Wuhan City Environment Protection Engineering(M) Sdn Bhd

Under the guidance of the country's "Belt & Road Initiative" and encouraging enterprises to "go out" development strategy, in January 2017, CCEPC officially established a Malaysian company.

With Malaysia as the regional center, and at the same time radiating business to Indonesia, Vietnam, the Philippines and other Southeast Asian markets .

At present, a number of power generation, environmental protection and infrastructure supporting facilities projects have been built in Pahang, Kedah, Selangor and other places in Malaysia.





Company Registration and CIDB Certificate (G7)

BORANG 9
AKTA SYARIKAT 1965
[Seksyen 16(4)]

No. Syarikat – MyCoID
1215310 M

PERAKUAN PEMERBADANAN SYARIKAT SENDIRIAN
Dengan ini diperakui bahawa
WUHAN CITY ENVIRONMENT PROTECTION ENGINEERING (M) SDN. BHD.
telah diperbadankan di bawah Akta Syarikat 1965, pada dan mulai dari
10 haribulan Januari 2017, dan bahawa syarikat ini adalah sebuah syarikat berhad
menurut syer dan bahawa syarikat ini adalah sebuah syarikat sendirian.

Dibuat di bawah tandatangan dan meterai saya di Kuala Lumpur
pada 10 haribulan Januari 2017.

DATO' ZAHRAH ABD WAHAB FENNER
PENGETAHUAN SYARIKAT
MALAYSIA

User ID : ahafsub Date : 10/01/2017 05:31:22 PM
NO. SIRI: SSM 5658900





Adalah dengan ini diperakui bahawa kontraktor Asing yang dinyatakan di bawah ini telah berdaftar dengan Lembaga mengikut Bahagian VI Akta Lembaga Pembangunan Industri Pembinaan Malaysia 1994. Pendaftaran ini adalah tertakluk kepada syarat-syarat yang telah diletakkan bersama perakuan ini.

No. Pendaftaran	:	0320230417-CN000004
Nama Kontraktor	:	WUHAN CITY ENVIRONMENT PROTECTION ENGINEERING (M) SDN. BHD.
Alamat Berdaftar	:	14A JALAN TUN MOHD FUADTAMAN TUN DR ISMAIL 60000 WILAYAH PERSEKUTUAN KUALA LUMPUR
Daerah	:	KUALA LUMPUR
Tarikh Mula Berdaftar	:	15/02/2017
GRED	KATEGORI	PENGKHUSUSAN
G7	B	B04
G7	CE	CE21
G7	ME	M15

Tarikh Mula Berkutkuasa : 17/04/2023
Tarikh Habis Tempoh Perakuan : 16/04/2025
STATUS: BARU

Ketua Eksekutif
Lembaga Pembangunan Industri Pembinaan Malaysia
Tarikh: 17/04/2023



Malaysia China-Kuantan Industrial Park (MCKIP)

Alliance Steel all power generation system Full Process Service (Consulting +EPCC+ O&M)

Waste Heat and Energy Recovery Throughout The Plant Total, 209MW

- Waste Gas Reuse 2X80MW
- CDQ Waste Heat Recovery 25MW
- Sinter Waste Heat Recovery 15MW
- Saturated Steam Recycle 9MW

马来西亚马中关丹产业园350万吨钢铁联合企业鸟瞰图

Aerial View of MCKIP 3.5 Mt Integrated Steel Plant





Malaysia China-Kuantan Industrial Park (MCKIP)

- 2x80MW Waste Gas Reuse Power Plant EPCC Project
- The Biggest Scale Waste Reuse Power Plant in Malaysia





Jinjing Technology Glass Klin, Kulim Kedah

- 5MW Waste Heat Recovery Power Plant



Waste to Engery EPCC Project, Jeram Selangor.

- Phase 1:2X700 t/d, 30MW
- Phase 2: 2X750 t/d, 35MW
- The Biggest Scale Waste to Energy plant in Malayisa





Alliance Steel Production Command Center Kuantan, Pahang

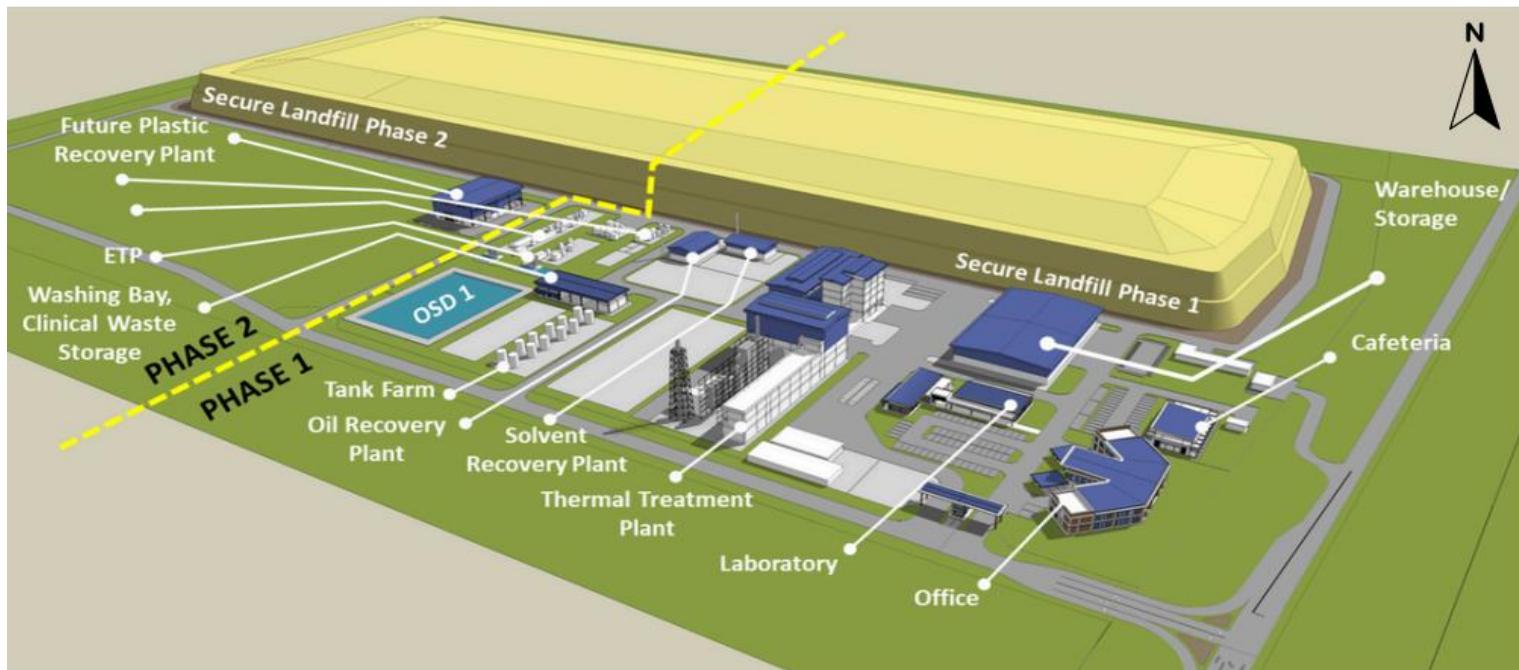


Alliance Steel Staff Dormitory Building Kuantan, Pahang



Scheduled waste hub EPCC Project, Johor Baru

- ◆ Thermal Treatment Plant (100MT/day) Physical and Chemical Treatment plant (24MT/day)
- ◆ Solidification Plant (33MT/day) Leachate Treatment Plant (150 m³/day)
- ◆ Effluent Treatment Plant (300m³/day) Surface Water Treatment Plant (250m³/day)
- ◆ Oil Distillation Recovery plant (100MT/day) Solvent Recovery Plant (145MT/day)
- ◆ Secure Landfill Storage Facility (4000MT)





10MW Residual Heat Recovery Power Generation EPCC Project at Kedah Cement Sdn Bhd's cement Plant Line LK 2 at Langkawi, Kedah Darul Ridzuan, Malaysia





THANK YOU

领先技术 创造优美环境

leading Technology Creates Excellent Environment

