



# PTKG PLC

## COMPANY

# PROFILE

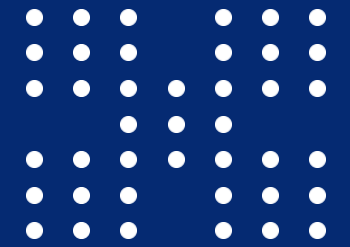
PTKG Public Company Limited 999/9 The Offices at Central World Building, 29th Floor, Room No. 2901, Rama 1 Road, Pathumwan Subdistrict, Pathumwan District, Bangkok 10330  
Email: [info@ptkgplc.com](mailto:info@ptkgplc.com) [www.ptkgplc.com](http://www.ptkgplc.com)





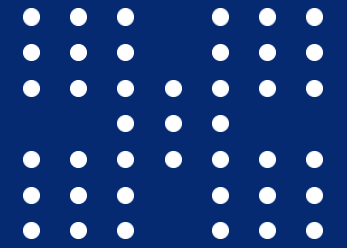


# ABOUT OUR COMPANY



PTKG Company Limited was established in 2021 as a limited company committed to development alongside Mahachon Company Limited. The management team has come together, bringing over 20 years of real management experience, and successfully established PTKG Public Company Limited in 2023. We are dedicated to developing from the real experiences of each executive. Energy Absolute, Energy for The Future, is focused on bringing innovation and technology to create clean energy, including renewable energy, battery technology, and electric vehicles such as commercial electric cars, electric boats, charging stations, and batteries with modern technology crafted by Thai expertise, creating added value for society, the economy, and the environment sustainably. We also explore various mining such as gold, copper, tin, silica, potassium, coal, and limestone, as well as engage in imports and exports of crude oil, palm oil, diesel, agricultural oil, rice, fruits, sugar, and agricultural and fishery products. Additionally, our team is focused on health, particularly for the elderly, and plans to create wellness centers to promote health. We are also developing financial systems to ensure business stability, including international finance and various securities, as well as enhancing our hotel operations to meet premium standards to cater to the accommodation needs of business clients and tourists. We aim to become a leader in the future of logistics and supply chain management





# OUR SERVICES

 ENERGY

 HEALTH

 MINING

 POWER PLANT & WATER SUPPLY

 GEMS & JEWELRY

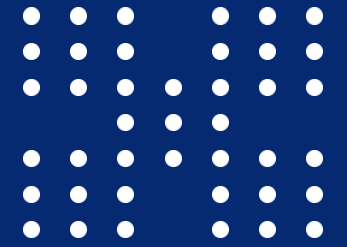
 CONSTRUCTION GAS&OIL

 MANPOWER SUPPLY

 PIPING INSTALLATION

 STEEL STRUCTURE INSTALLATION





# OUR MISSION AND VISION



## OUR MISSION

We are committed to 6 S: 1. Promoting the exploration of mining to find new and environmentally friendly alternative energy. 2. Supporting financial aspects and developing organizations for financial stability. 3. Expanding investments in multiple countries to enhance the logistics system. 4. Innovating and developing technology for electric and hydropower. 5. Cultivating habits and enhancing personnel's knowledge and capabilities. 6. Developing personnel to support the organization's growth and sustainability.



## OUR VISION

To be a leader in mining exploration, to develop modern and environmentally friendly alternative energy solutions, to advance financial services and lead in international investment securities, to promote agricultural exports for sustainable farmers, to lead in building development and designing wellness centers globally, and to facilitate international transportation for the benefit of the community and employees fairly.





# OUR SERVICES



## ENERGY

EV station charger station  
gasoline station  
Solar cells  
wind turbine  
Diesel oil  
Food oil  
LPG Gas  
Magnet Generator







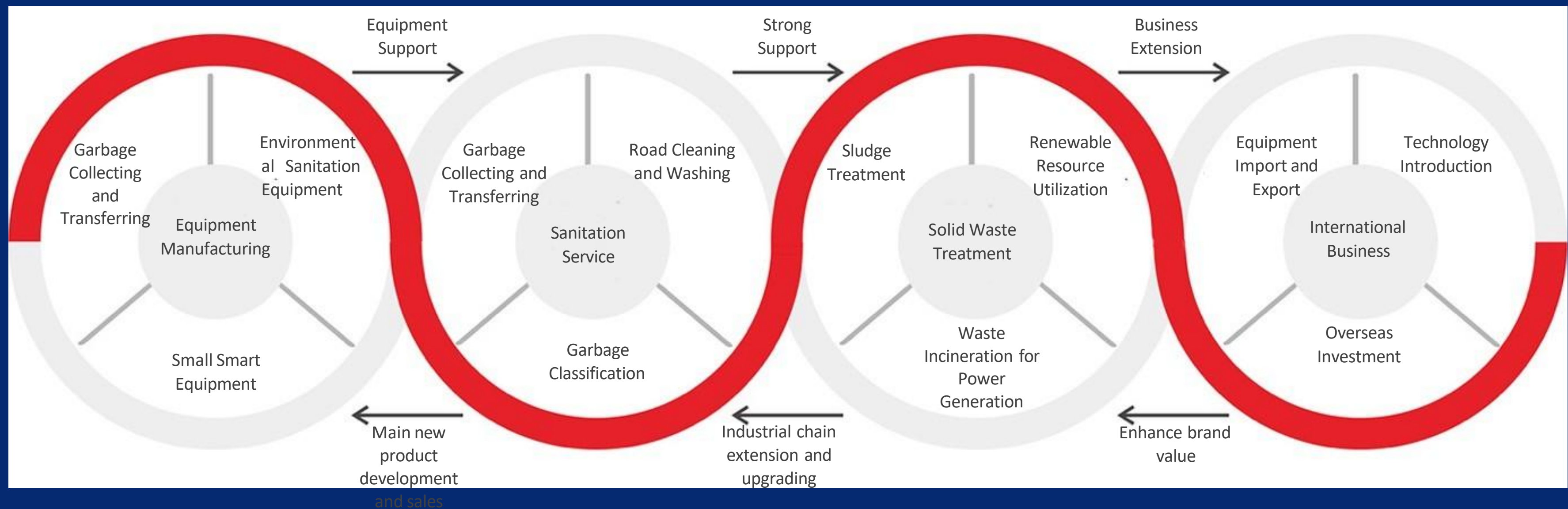
**PTKG PLC COMPANY**

**Sanitation Equipment Manufacture**



# STRATEGIC PLANNING

PTKG PLC & Partnership FULONGMA implements the whole industrial chain strategy with "sanitation equipment + sanitation service" as the mainstay and "solid waste treatment + international business" as the supports.





# Product Category

## Sanitation Equipment

Road cleaning  
equipment

Garbage collecting  
equipment

New energy sanitation  
equipment

Three categories of products, 30 series, more than 300 announced varieties

It has fully independent intellectual property rights and covers most of the requirements of sanitation operations.

## Technical Research and Development Achievements



Patent System

251 national patents

1074 developed projects

14 scientific achievements



Set Standard

More than 100 formulated enterprise standards



Drafting

- Road washing & cleaning Truck National Industry Standard
- Equipment graphic symbol of Sanitation vehicles National Standard
- Sanitation vehicle technique and configuration requirement of Shanghai local Standard





# Sanitation Equipment

There are many large-scale environmental sanitation cleaning activities in China



Road washing & cleaning Trucks working on Changan Avenue before National Day Parade



Road Sweeper cleaning outside of the Bird's Nest in Beijing



Road Sweeper working outside of Shanghai Expo



Road washing & cleaning Trucks working on the outside of Beijing APEC Meeting Place



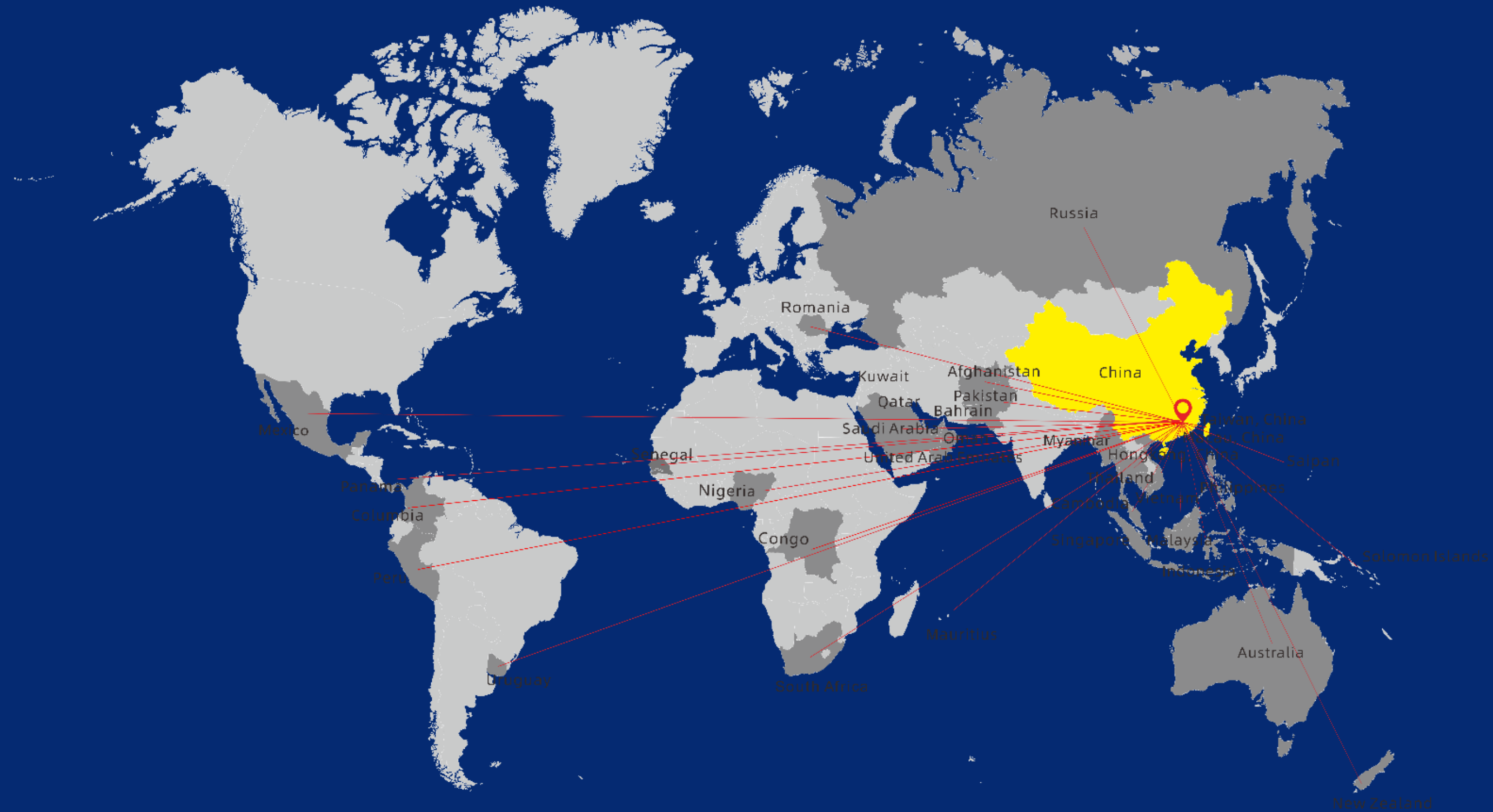
The Vehicles working outside of the Nanjing Youth Olympic Games



The vehicles working outside of the Hangzhou G20 Meeting Place



PTKG PLC & Partnership FULONGMA During these years, we actively expands overseas markets, and sells in batches to **Asia, Eastern Europe, America, Africa, and the Middle East, covering 45 countries and regions around the world.**





Garbage Compactor Truck

Water Truck

High-pressure Clean Truck

Street Sweeper

Multi-Functional Dust Suppression Truck

Road Maintenance Truck

Small smart Road Sweeper

...

# PROJECT CASES

In 2020, the emerging markets showed strong performance, PTKG PLC & Partnership FULONGMA successively won the first orders from Dubai, Thailand, Russia, Peru, Mexico, Qatar, Solomon, and Myanmar, achieving a breakthrough of "0 to 1".

■ Hiro chassis multifunctional dust suppression vehicle——Hong Kong, China

■ Mercedes-Benz chassis Garbage Compactor Truck——Hong Kong, China

■ Isuzu chassis sprinkler truck ——Hong Kong, China







Garbage Compactor Truck, Street Sweeping Truck, high-pressure sprinkler in Nigeria



Garbage Compactor Truck, Street Sweeper in Vietnam



Water Truck in Macao, China



Magnetic Road Sweeper in the airport of Macao.



Scania chassis Garbage Compactor Truck in Hong Kong, China.



Multifunctional dust suppression vehicle for urban disinfection in Mexico.





## Hong Kong, China

The FULONGMA road sweeper sweeps the periphery of a waste landfill.



## Malaysia

FLM5070TSL road sweeper at the Penang Cargo Terminal, Malaysia.



## Peru

Multifunctional dust suppression vehicle for dust reduction in mining areas



## Singapore

FULONGMA's road sweeper has serviced the harbor front for more than 12 years





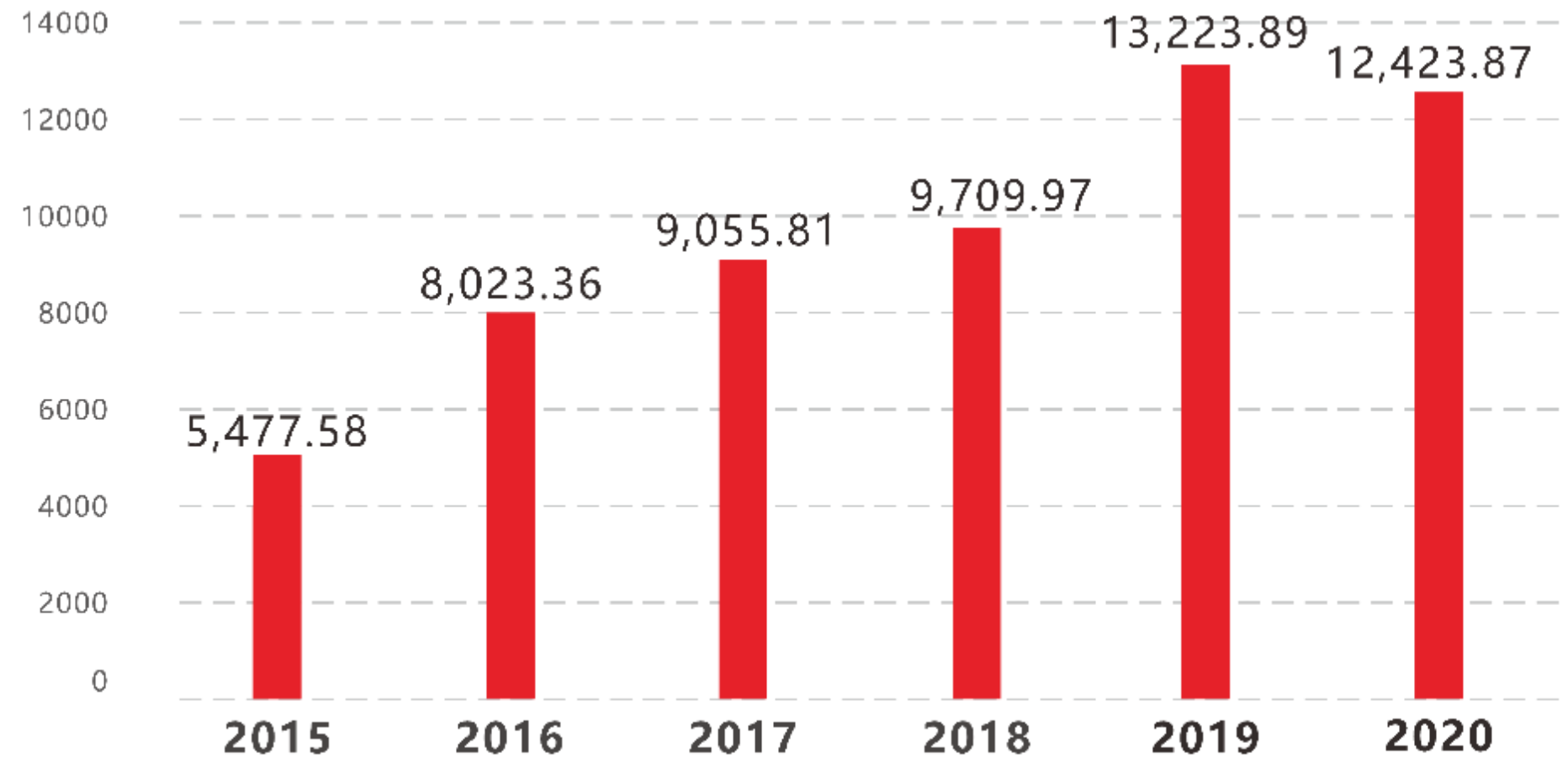
# PTKG PLC COMPANY

The Supplier Of Environmental  
Sanitation System Solution



# TECHNOLOGY INNOVATION

10 thousand Yuan



PTKG PLC & Partnership FULONGMA's R&D investment between 2015 and 2020



Unmanned pure electric road sweeper



Pure electric cleaning sweeper

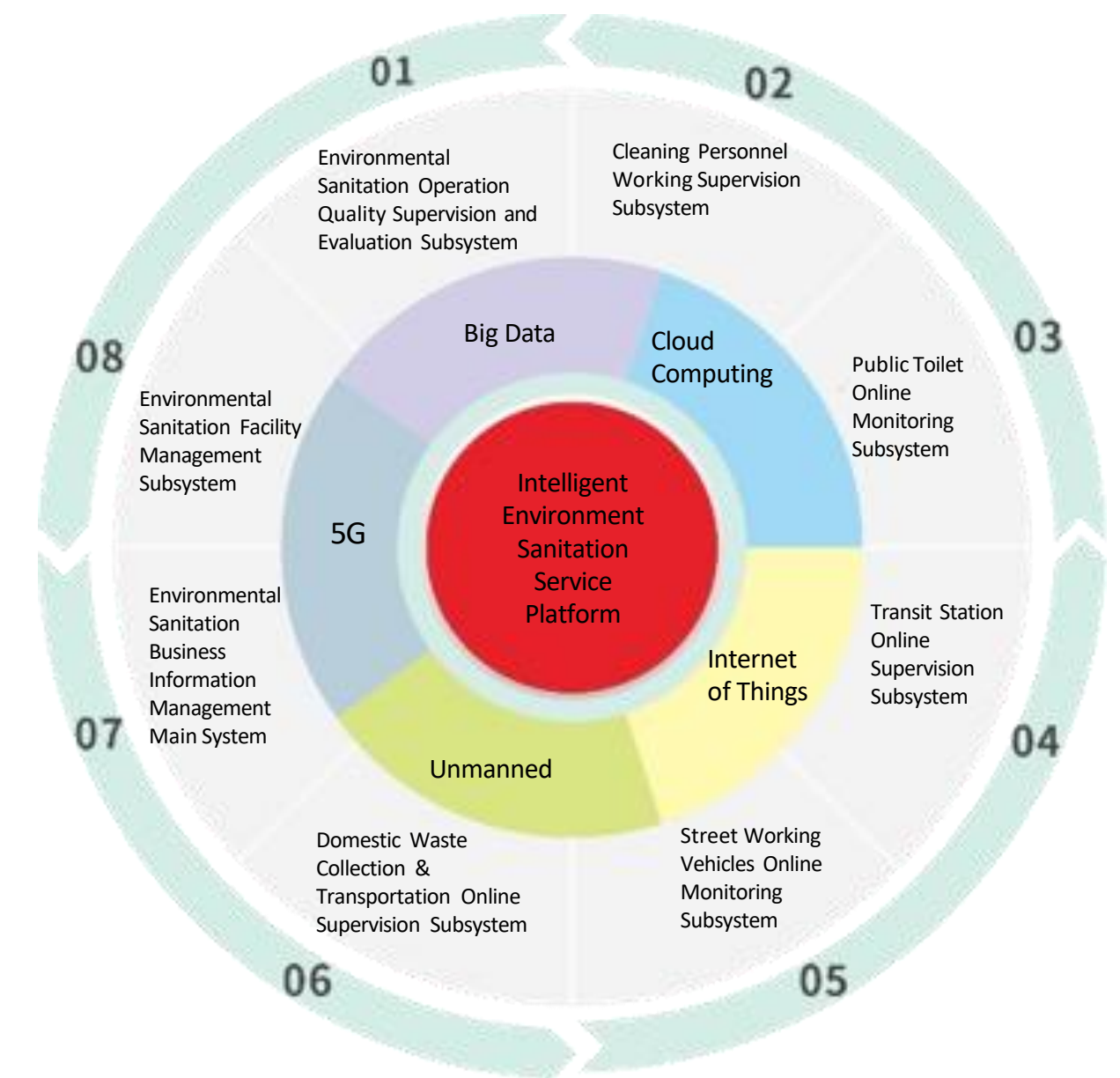


Intelligent Electric Self-following Vacuum Sweeper



Intelligent Electric Ride-on Sweeper

Small Smart Equipment



Electric

Intelligent

Networking



# Smart Sanitation Platform

## Cloud platform, Internet & big data

### Smart City Network

Connect with smart city network, provide necessary services to urban managers and operators at any time through cloud service, and promote the process of urban management

### Sanitation Big Data

Deep mining sanitation big data form early warning work, find the root cause, thoroughly solve the hidden trouble, do it for a rainy day, by assuring the sanitation service operation mode, improve service levels.

### Management Efficiency

Grasp the information of sanitation management in real time, support management decisions with objective data, solve problems such as lagging management, and improve the efficiency of sanitation management and emergency response level.



## Urban Intelligent Garbage Classification Operation Mode

### The Carry Out Type

1. Separating dry space from moist space
2. Guide to throw
3. Integral intelligent
4. System classified collection and transportation

### Offline Construction



Intelligent garbage  
classification house



Intelligent collection



Intelligent garbage  
sorting station

separating dry space from moist space  
Online and offline integration  
System classified collection and transportation

### General Effect



### Online Construction



Garbage classification  
public platform



APP  
Staff APP



Intelligent sanitation  
cloud



# PTKG PLC & Partnership FULONGMA Brand Garbage Compression & Transfer Station

## Detachable Container Garbage Truck



配套车型 (车厢可卸式垃圾车)

## Horizontal Container Garbage Truck



配套车型 (车厢可卸式垃圾车)







Items	Specifications	Items	Specifications
C Battery Manufacturer	CATL	Unloading Cycle Time (s)	≤40
Battery Capacity (kWh)	106.95	Lifting Cycle Time (s)	≤10
Sterring Wheel	Right Handed	Garbage Tank Volume (m³)	6.5
Dimension (L*W*H) (mm)	6550*2150*244	Sewage Tanks Volume (L)	450=171+109+170
GVW (kg)	9000	Compression Density (t/m³)	0.65-0.8
Curb Weight (KG)	6400	Crushing Force (kN)	112
Payfoa d (KG)	2600	Eajection Force (kN)	166
	3360	Hydra ulic Pressure (MPa)	8
Happer voHume (m") Hopper	0.66	Air Conditionin g	wa rm / Cold
Entrance Width(mm)	1565		
Compression Method	Bidirectional		
Compression Cycle Time (s)			

# FLM08ZYSTHJQ06BEVA

Garbage Tank: 6.5m’





	EV GARBAGE TRUCK	DIESEL GARBAGE TRUCK
Energy consumption in average	70 kwh/100km	20L/100km
Annual mileage ( Driving 300 days within 1 year and 100km per day )	30,000km	30,000km
Annual energy consumption quantity	21,000kwh	6000L
Price (electricity &diesel)	0.049 USD/kWh	1.207 USD/L
Annual energy consumption cost	1,029 USD	7,242 USD
Annual CO2 emission amount ( 2.4kg CO2 per liter diesel )	0	50 ton



# Smart Sanitation Platform

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# OUR SERVICES



## HEALTH PLANING FUTURE

Wellness (health and beauty)

location: Local Thailand

Hua-hin

Bangkok

Pattaya

Phuket

Location: Oversea

Indonesia Bali





# OUR SERVICES



## MINING

We have mining at Loas & Thai  
for Gold and Copper  
And Indonesia mining at  
Coal Ore







# PTKG PLC COMPANY

**MINING EXPORT**

ANTIMONY

TIN INGOT





# MINING EXPORT



OVER SEA

ANTIMONY

TIN INGOT



# OUR SERVICES



## POWER PLAN Solid Waste Treatment

Project Join with Governments  
location: Nigeria



## WATER SUPPLY

Project Join with Governments  
location: Nigeria

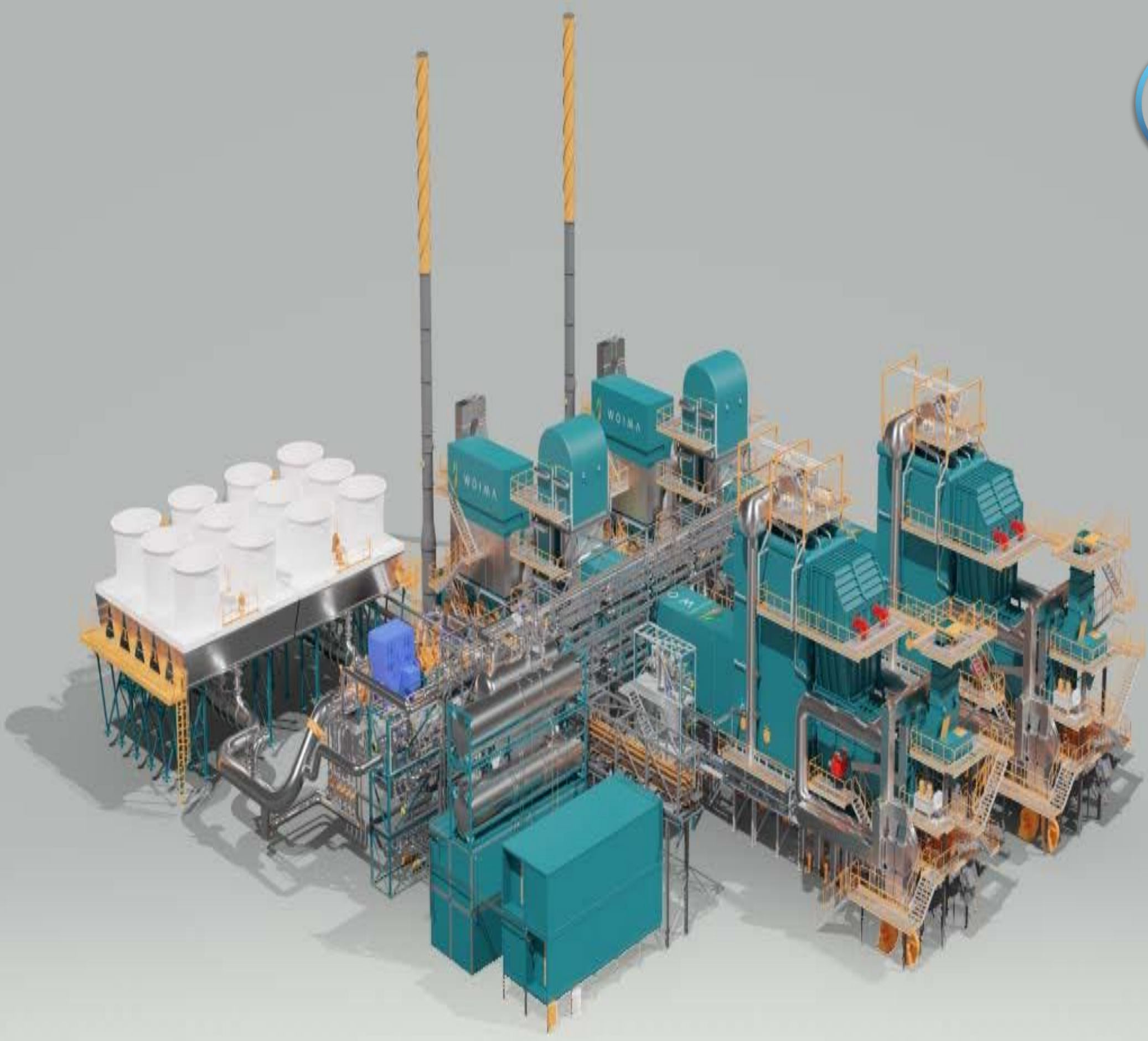






# Solid Waste Treatment





## **PTKG PLC COMPANY**

### **THE MODULAR WASTE-TO-ENERGY POWER PLANT**

Today, soaring energy prices and drive towards green power generation are affecting everyone across the globe. Yet, one potential source of energy is still being overlooked in many markets. Recently, the 3R methodology (reduce, reuse, recycle) has significantly reduced excess waste. But still hundreds of millions of tons of usable waste fuel ends up in landfills or dumpsites every year. The modular waste PTKG® power plant offers a simple fast-track solution for both waste management and power generation in one easy-to-deploy package.

The modular *waste PTKG®* power plant is a small- to-medium-scale solution for smaller cities, or for larger metropolises as a decentralized waste management and power generation solution. The plant has been pre-engineered, prefabricated and tested at our workshop to enable fast, on-time and high-quality project deliveries anywhere in the world. The standardized plant sizes are 10, 15 and 20MW<sub>fuel</sub>, but any size below 20MW is possible, while still adhering to the modular design principle.

The plant is available in three configurations similar to the larger plants: electricity only, CHP or thermal. And thermal can be either heating or cooling. Naturally, a combination of different energy commodities is also possible. The modular nature of the power island enables changing the configuration easily and cost-efficiently.

The *waste P T K G®* power plant consists of one or several PTKG *lines* (boiler islands), each using 25,000 to 60,000 tons of waste annually, depending on the chosen fuel power and the quality of the waste. The design is based on sea-container-sized modules, which simultaneously act as

- easily transportable units
- secure enclosures
- installation platform for technical solutions
- protective housing on-site

The PTKG business model relies on de-risking the project delivery through high level of pre-fabrication, locally sourcing the unsophisticated components, as well as short construction and installation time on site. Simple maintenance methods and advanced automation require very little manpower thus saving operating expenditure.



The *waste PTKG*® power plant's modularity is based on a PTKG *line* (boiler island) ideology. The plant consists of one to four PTKG *lines* with the following parameters

- thermal efficiency 89%
  - electrical efficiency 25%
  - CHP efficiency 19% electricity / 68% thermal
- The thermal energy is available as superheated steam (400°C@40 bar(g)) or any steam/hot water quality below that.

The *wastePTKG*® is capable of handling a wide range of non-toxic solid waste fuels, such as

- municipal solid waste (MSW)
- refined waste fuels (REF, RDF or SRF)
- industrial and commercial waste (ICI)
- construction and demolition waste (CDW)
- agricultural waste (AW)
- waste wood and
- different biomasses, such as EFB, rice husk..

There are two grate options available depending on the calorific value of the fuel

1. Air-cooled grate for low calorific value waste fuels with LHV between 7 and 17 MJ/kg
2. Water-cooled grate for high calorific value waste fuels with LHV between 14 and 24 MJ/kg

The maximum moisture of the waste fuel is 55%. The plant automatically adjusts itself to variations in fuel quality and quantity to deliver a constant stream of energy.

The basic plant design can be complemented with several different standardized auxiliary systems designed to fit into the modular plant approach

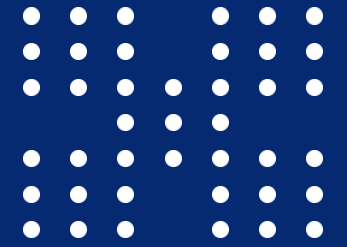
- a water plant for water purification
- a landfill leachate treatment system
- a flue gas scrubber to utilize the latent heat otherwise lost through the stack
- a waste pre-treatment solution recycling valuable raw materials



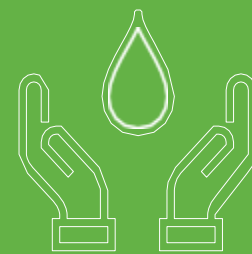


# KEY FACTS

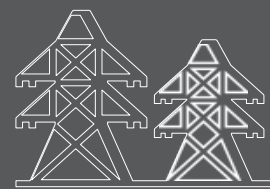
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- Easy to build; established on a concrete slab of 1,500 - 5,000 m<sup>2</sup>
- Erection and commissioning within four months of delivery
- Simple operation; robust and proven technology
- Safe operation under any conditions
- Easy exchange of broken or worn-out plant components
- Remote monitoring of plant performance
- Capable of producing electricity, thermal energy and potable water
- Complies with the EU Emission Standards



CLEAN WATER



ELECTRICITY



THERMAL ENERGY

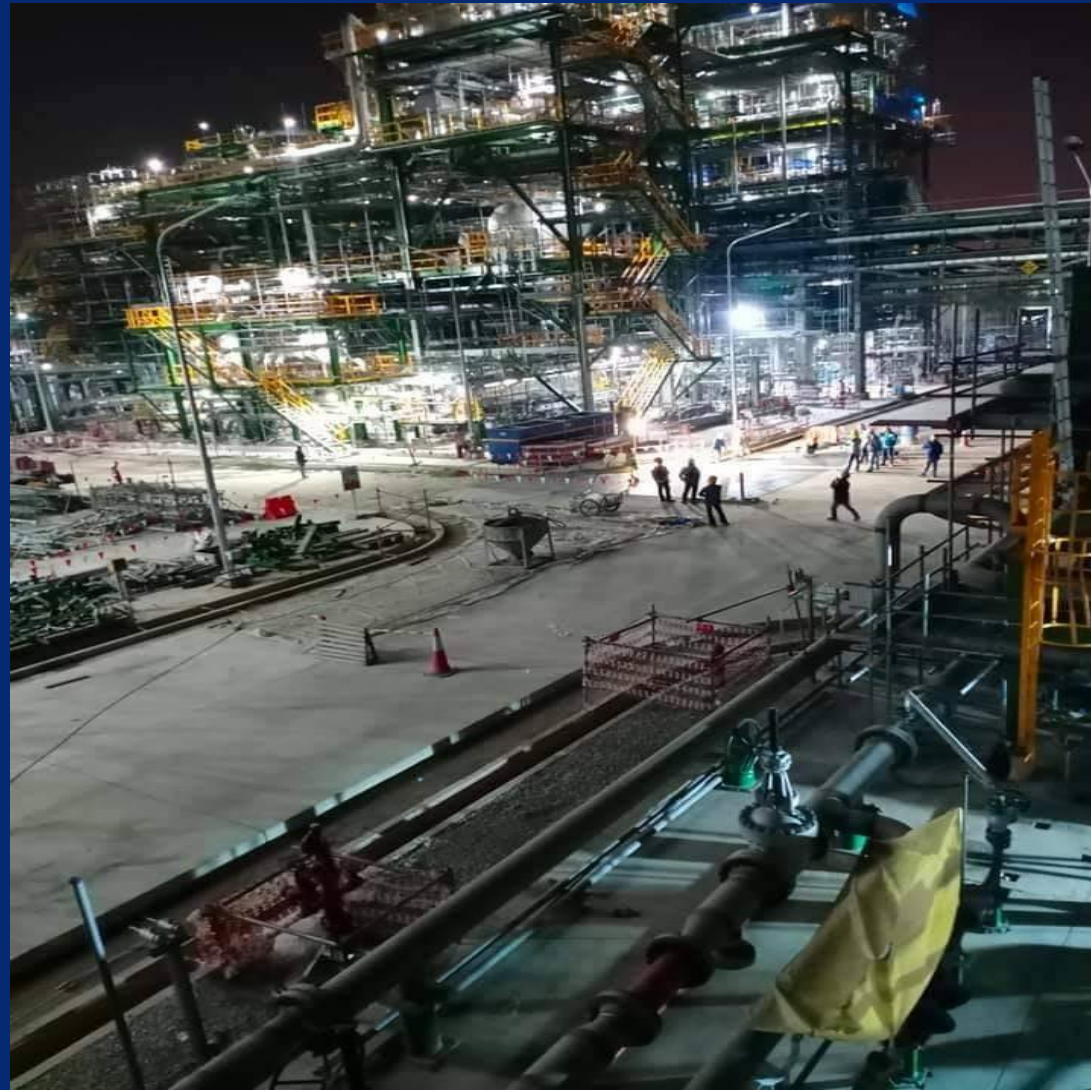


STEAM



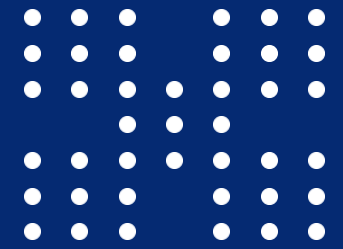
# WORK EXPERINCE

Install Pipe Support And Welding PTTPO Project  
Rayong Thailand.





# WORK EXPERINCE



## Install Pipe Support And Welding PTTPO Project





# WORK EXPERINCE

## Install Pipe Support And Welding PTTPO Project





# OUR SERVICES



## GEMS & JEWELRY

our office is in  
Bangkok, Thailand.  
We do OEM for the  
customer.





# OUR SERVICES



CONSTRUCTION GAS&OIL



MANPOWER SUPPLY.



PIPING INSTALLATION

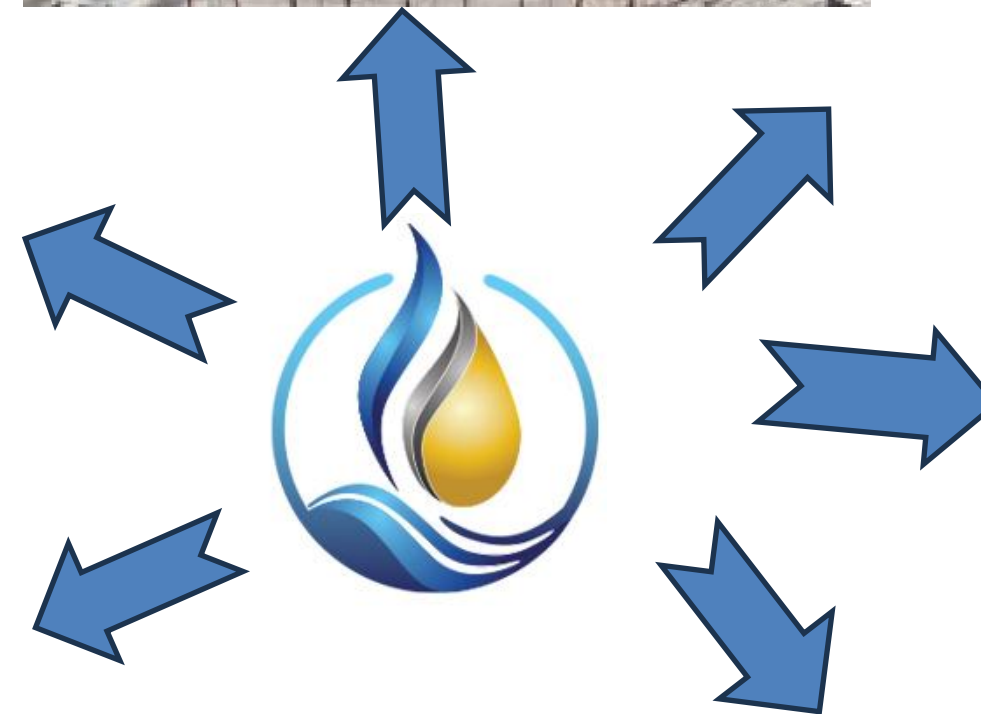
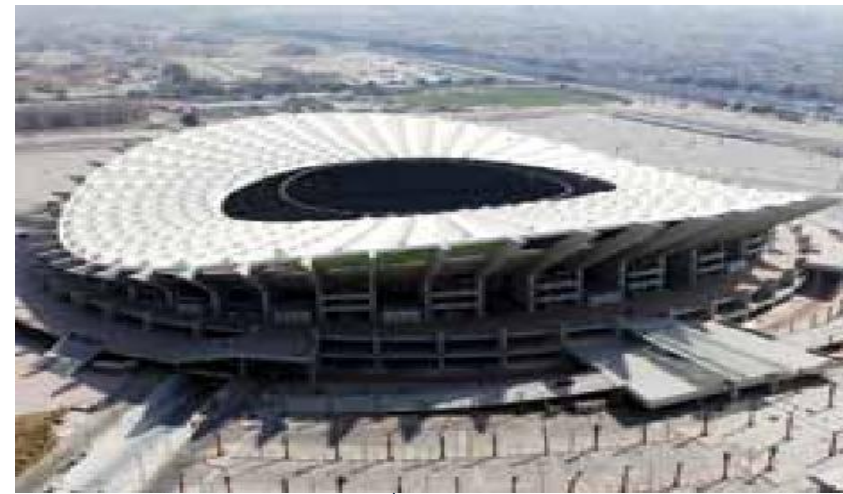


STEEL STRUCTURE  
INSTALLATION





# FABRICATION SERVICES AND BEYOND





**WELCOME TO PTKG PLC COMPANY LTD. THAILAND.**







(Canteen)

(Equipment Division)

(Quarantine area)

(Covered shop bays)



OUR SERVICES





# Oil & Gas

## EPC&C Services

Trading and Contracting Services Enhanced Oil Recovery  
Coil Tubing and Well stimulation Artificial lift solution  
Drilling and Work over services Soil remediation  
Plant maintenance services

Heavy lift operations Industrial cleaning solution

New technology exploration R&D services

## OUR SERVICES



The first choice provider for energy solutions







## OUR SERVICES



Remote Header Manifolds





## OUR SERVICES

## KNPC Az Zour Refinery Project - Civil Works & UG Piping



Drilling







## OUR SERVICES



Water Knock-out System

## Replacement of Existing Heaters







## OUR SERVICES

### Crude Transit Line



Booster Station BS-171







# PTKG PLC COMPANY

## The Construction Projects



# Some of our Projects in Kuwait

## Construction Projects

**f** For 50 years, we at Combined Group Contracting Company have had a role to play at the heart of establishing Kuwait as a modern and dynamic international city. We have been doing this one building at a time. Today there is hardly an area of Kuwait that has been untouched by the skill and expertise of CGCC.

Across a number of sectors including residential developments, healthcare, commercial sites and security establishments as well as the infrastructure required to make these elements function together as a whole, Combined Group Contracting Company is involved. As we move into the second decade of the 21st century, we re-affirm our commitment to building excellence, and to building with vision throughout Kuwait and other international and outstanding cities. We are proud of our contribution to the development of Kuwait, these are some recent projects completed so far in the new millennium:

### **Construction and Maintenance of college of Arts and college of Education at Sabah Al Salem University City, Kuwait University**

#### **In cooperation with Arab Tech Emirates (Joint Venture)**

Owner: Kuwait University

Project Value : KD 119,940,000/- (Equivalent US\$ 399,800,000/-)

Our share is 40% - KD 47,976,000/- (Equivalent US\$ 159,920,000/-)

Duration: 1280 days

Completion Date: 31.12.2016

### **Developing and Rehabilitation of Al Salam Palace**

Owner: The Amiri Diwan

Project Value : KD 38,900,000/- (Equivalent US\$ 129,666,000/-)

Duration: 465 days

Completion Date: 02.11.2015



**Golf Club Project**



**Developing and Rehabilitation of Al Salam Palace Project**





**Kuwait International Airport Project**

#### **Construction of State Audit Bureau Headquarter – Kuwait**

Owner: Audit Bureau

Project Value: KD 24,658,611/- (Equivalent US\$ 82,195,370/-

) Duration: 1080 days

Completion Date: 15.11.2006

#### **Construction of Golf Club Course – Package No. 5**

Owner: Kuwait International Golf Co.

Project Value : KD 2,811,491/- (Equivalent US\$ 9,371,637/-)

Duration : 725 days

Completion Date: 15.04.2006

#### **Commercial Building, Kuwait Airport Vehicle Parking**

Owner: Kuwait United Construction Management (KUCM)

Project Value: KD 1,869,702/- (Equivalent US\$ 6,232,340/-)

Duration: 369 days

Completion Date: 31.12.2007



**Faculty of Arts and Education Project**





## OUR SERVICES



Construction and Maintenance of Lab. and Workshops of the College of Technology



Construction and Maintenance of the Headquarters for Manpower and Government Program



College for Basic Education, Boys Campus, Ardiya





# Roads & Services Projects

**T**his division consists of bridge construction, road maintenance and repairs, paving works and resurfacing as well as milling and asphalt works. The installation of urban sanitary sewage networks and the maintenance of water and gas networks, street lighting, traffic control systems, warning signs, guide signs and roads marking together with chain link fencing and overhead sign gantries complete the extensive operations of our Roads and Services Projects division.

## **Construction, Completion and Maintenance of Roads, Storm water Streams, Sanitary Works and Other Services at Al Siddiq Neighborhood - First Stage**

Owner: Ministry of Public Works

Project Value: KD 11,255,640/- (Equivalent US\$ 40,070,078/-)

Duration: 730 days

Completion Date: 09.10.2009

## **Construction, Completion and Maintenance of Airport Road Culvert from Intersection with Fourth Ring Road to Jamal Abdel Nasser Street**

Owner: Ministry of Public Works

Project Value: KD 8,846,588/- (Equivalent US\$ 31,493,854/-)

Duration: 888 days

Completion Date: 22.12.2011

## **Construction, Completion and Maintenance of Mohamed Bin Alqassim Street Culvert from Intersection with Fourth Ring Road to Jamal Abdel Nasser Street**

Owner: Ministry of Public Works

Project Value: KD 9,119,670/- (Equivalent US\$ 32,466,026/-)

Duration: 730 days

Completion Date: 19.11.2011

## **Construction, Completion and Maintenance of Roads and Infrastructure at Abu Fatira, East Qurain - First Stage**

Owner: Ministry of Public works

Project Value: KD 13,734,026/- (Equivalent US\$ 48,893,134/-)

Duration: 730 days

Completion Date: 17.06.2011



Al Qurain (Abu Fatira) Project





South Surra, Al Siddiq Dahiya Project

## Sanitary Engineering Projects

This division undertakes the Construction, Completion and Maintenance of water and Sewage Networks.

Owner: Ministry of Public Works

Project Value: KD 16,092,432/- (Equivalent US\$ 57,289,058/-)

Duration: 925 days

Completion Date: 17.11.2009





# PTKG PLC COMPANY

Water & Power Station Projects







Subiya Power Station Project

## Water & Power Station Projects





As with any growing economy, the key to sustainable growth is through an efficient rollout of essential resources including water and power. CGCC works closely with Kuwait's Ministry of Electricity and Water in order to ensure the fulfillment of the Ministry's requirement through successful implementation of both extensive water and electricity generating and distribution projects.

**Construction of Main Fresh Water Pipelines with a 1200mm diameter from Mutlah to Funaitees (68 km.) Stage3.**

Owner: Ministry of Electricity and Water (MEW)  
Project Value: KD 17,582,264/- (Equivalent US\$ 62,592,860/-)  
Duration: 639 days  
Completion Date: 12.05.2009

**Construction, Completion and Maintenance of Main Water Lines from Subiya Water Distribution Complex to Mutlah Water Distribution Complex.**

Owner: Ministry of Electricity and Water (MEW)  
Project Value: KD 23,299,041/- (Equivalent US\$ 82,944,586/-)  
Duration: 791 days  
Completion Date: 24.10.2005

**Supply, Erection, Operation and Maintenance of Gas Turbine Power Generating Units at Subiya Power station Water Distillation Plant site**

Owner: Ministry of Electricity and Water (MEW)  
Project Value: KD 82,045,200/- (Equivalent US\$ 292,080,200/-)  
Duration: 1880 days  
Preliminary Completion Date: 29.07.2009  
Maintenance Period: 13.06.2014



# Oil Sector Projects

**T**his division handles installation, testing and commissioning of pipelines, isolation cold cutting and removal of existing crude oil lines. Together with all associated civil works such as road crossings, valve pits, fencing, asphalted roadway paving and electrical, instrumentation and cathode protection.

Oil has long been the life-blood of Kuwait. Combined Group Contracting is proud to be playing its role in maintaining Kuwait's oil production on an efficient and world-class level.

## **Construction of crude oil flow lines - north and east Kuwait fields**

Owner: Kuwait Oil Company (KOC)

Project Value: KD 26,256,985/- (Equivalent US\$ 93,474,868/-)

Duration: 1460 days

Completion Date: 23.04.2010

## **Construction services project (Al Wafra)**

Owner: Joint Operations

Project Value: KD 11,853,910/- (Equivalent US\$ 42,199,920/-)

Duration: 1644 days

Completion Date: 10.12.2009

## **Provision of pipe support and surface coating for production operations**

Owner: Joint Operations

Project Value: KD 6,836,780/- (Equivalent US\$ 24,338,937/-)

Duration: 1830 days

Completion Date: 04.03.2014



Construction of Crude Export Line





Bulk Handling Facilities for Production Chemicals in South-East Kuwait, West Kuwait and North Kuwait





**Construction of flow lines and associated works to GC-24, EFP-120 and existing facilities at north Kuwait areas**

Owner: Kuwait Oil Company (KOC)

Project Value: KD 55,906,375/- (Equivalent US\$ 199,026,696/-) Duration: 1095 days

Completion Date: 30.04.2012

**Construction of crude export line, incoming group production feeders and pipelines to new GC16 and new effluent water line to MWIP**

Owner: Kuwait Oil Company (KOC)

Project Value: KD 14,780,000/- (Equivalent US\$ 52,616,800/-) Duration: 720 days

Completion Date: 21.11.2011

**Bulk handling facilities for production chemicals in south-east Kuwait, west Kuwait and north Kuwait**

Owner: Kuwait Oil Company (KOC)

Project Value: KD 14,459,964/- (Equivalent US\$ 51,477,472/-) Duration: 720 days

Completion Date: 28.01.2012

**Project and construction services**

Owner: Joint Operations

Project Value: KD 9,984,000/- (Equivalent US\$35,543,040/-) Duration: 1460 days

Completion Date: 09.12.2013



# Service Centers



Ready Mix Concrete Plant



Asphalt Plant



Vehicles and Equipment

## Ready Mix Concrete Plants

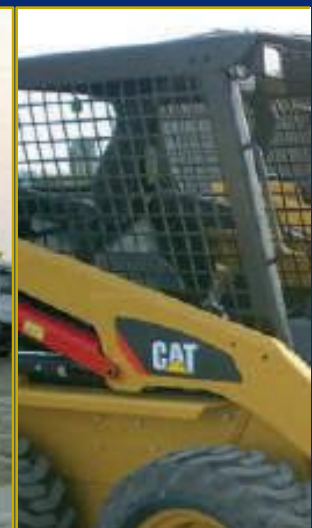
The company owns one of the region's biggest concrete mixing plants with a production capacity of 160 cubic meters / hour. Attached to these plants are laboratories to manage and control the quality of products, and a chiller with a capacity of 130KW to cool the water used during the concrete mixing phase which is conducted at high temperatures.

## Asphalt Plants

The asphalt plants owned by the company are considered to be amongst the biggest in the Middle East and have a production rate of 440 tons / hour. A group of testing laboratories attached to these plants conduct continuous testing on raw and finished product material samples to ensure their compatibility to the highest standards. Our own team of highly skilled engineers manage the plants.

## Garage (workshops, vehicles and equipment)

The company owns fully-equipped mechanical workshops able to carry out all necessary maintenance and repairs for our fleet of vehicles, equipment and plant. The workshop is built over an area exceeding 10,000 square meters. Our equipment and vehicles include earth moving equipment, road paving and construction equipment, and pumping equipment together with numerous other transportation vehicles. These are all controlled, managed and maintained by our own specialized team of technicians to ensure their efficient and reliable operation.





# Micro Tunneling and CCTV

m

## Micro-tunneling

The Ministry of Public Works approved and adapted the Micro-Tunneling System in executing infrastructure sanitary and storm water networks for line depth exceeding 6 meters and allowing them to cross under roads and highways.

Combined Group Contracting Company, being a pioneer in executing such services has decided to establish a special division for this purpose to execute lined diameters from 500mm and 1800mm.

## CCTV Division

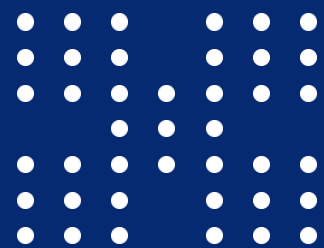
This division was established to execute cleaning works for storm water and sanitary networks in addition to taking video pictures of the existing networks by using the CCTV sewer monitoring system.

This video footage is taken to determine the network pipes status and to monitor for any breakage, damage, or deterioration in order to repair or replace the network pipes in due time.

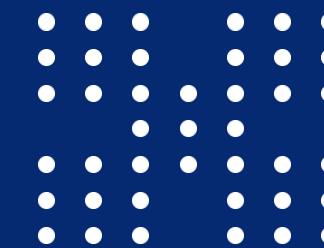
This division operates a large amount of equipment including mobile video cameras mounted above pre-adapted vehicles with computerized control units to control and monitor the video camera inside the networks. In addition, the division operates many jet-flushing and vacuuming water tankers to flush or to vacuum water separately or together.







# OUR FOUNDING TEAM



**MR. WANJAWONG  
THANASUPSIN - CEO**

Wanjawong has over 10 years of experience in tech startups, bringing valuable leadership and vision to the company.



**MR. THANAPHOL  
KANCHANAKUL - MOB**

*Member of the Board*  
Thanaphol has studied and gained over 10 years of work experience abroad, with expertise at various levels.



**MR. PERAVUTE  
TANSAKUL - MOB**

*Member of the Board*  
Peravute has over 20 years of expertise in urban mineral exploration, specializing in various minerals such as gold, tin, coal, potassium, zirconium, and iron ore.



**MR. RATCHANON  
SUEBSEE - MOB**

*Member of the Board*  
More than 20 years of experience in oil and gas pipeline construction, he has worked at oil and gas companies such as Suebsee, Thai oil and PTT.



**MR. KHUNCHOTIHIRAN  
CARATMUNTHONGCHUN - MOB**

*Member of the Board*  
Has more than 10 years of experience, emphasizing design, construction, and maintenance of infrastructure and public utilities such as bridges, roads, buildings, water supply systems, wastewater systems, and water pipe systems.