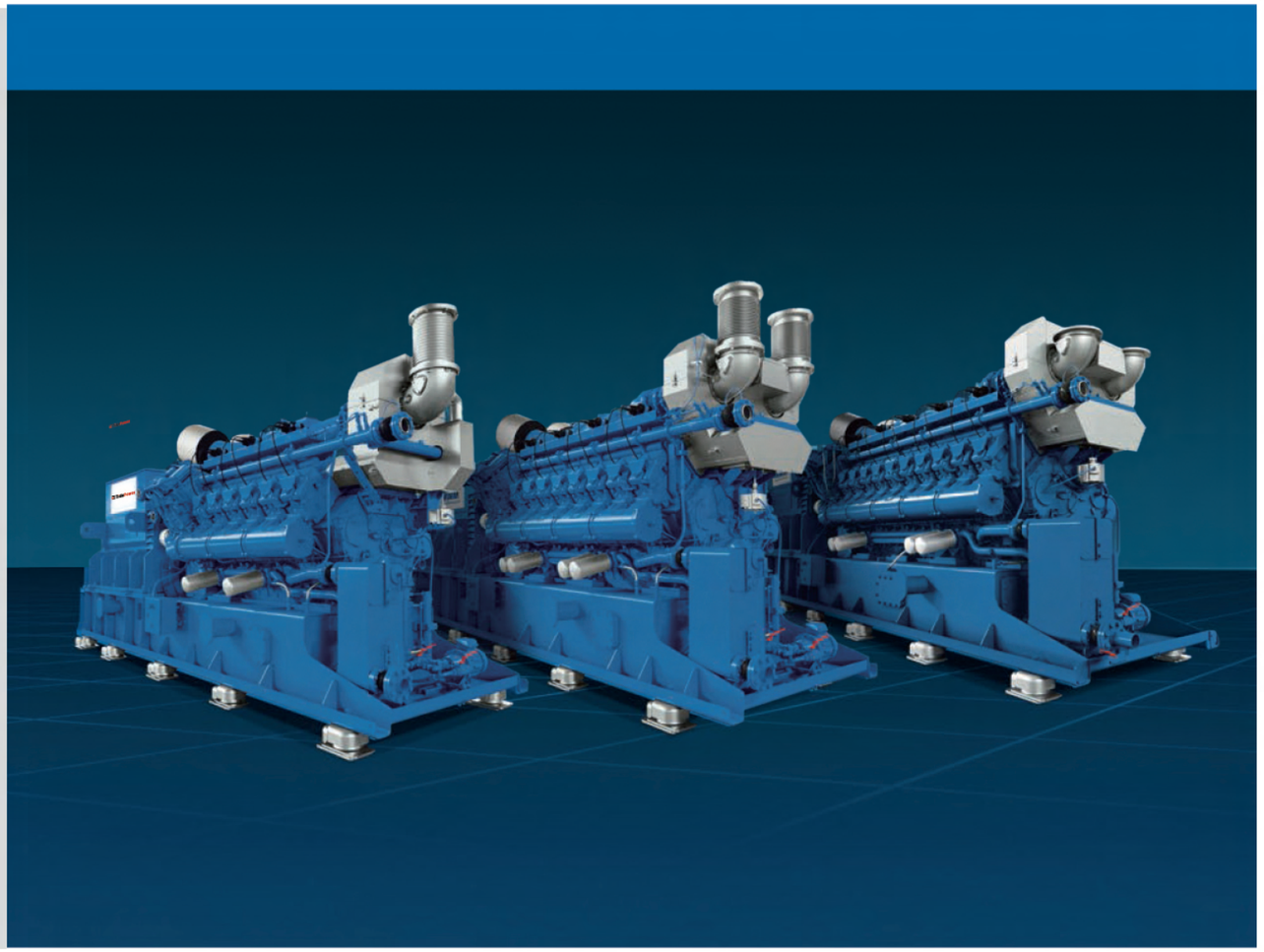
TidePower

Powered by MWM
A CATERPILLAR COMPANY
Energy. Efficiency. Environment.

Gas Power Solution



www.tidepower.uk

TidePower

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Tide Power Technology Co., Ltd.

Production Base: Daventry, UK & Fuzhou, China,
Worldwide Office: Philippine, Vietnam, Malaysia, Australia, Côte d'ivoire, Colombia, Lebanon, Russia, Egypt, Istanbul
Enquiry:sales@tidepower.uk

Descriptions and specifications are substantially correct at time of printing and subject to change without notice.

V2022.01

Rigorous Effort for a Brighter Future

Incorporated in 2006, being acquired by Alanta Power Engineering (UK) Co., Ltd. in 2020, Tide Power has always been a prominent and leading provider of power generation solution with products being exported globally.

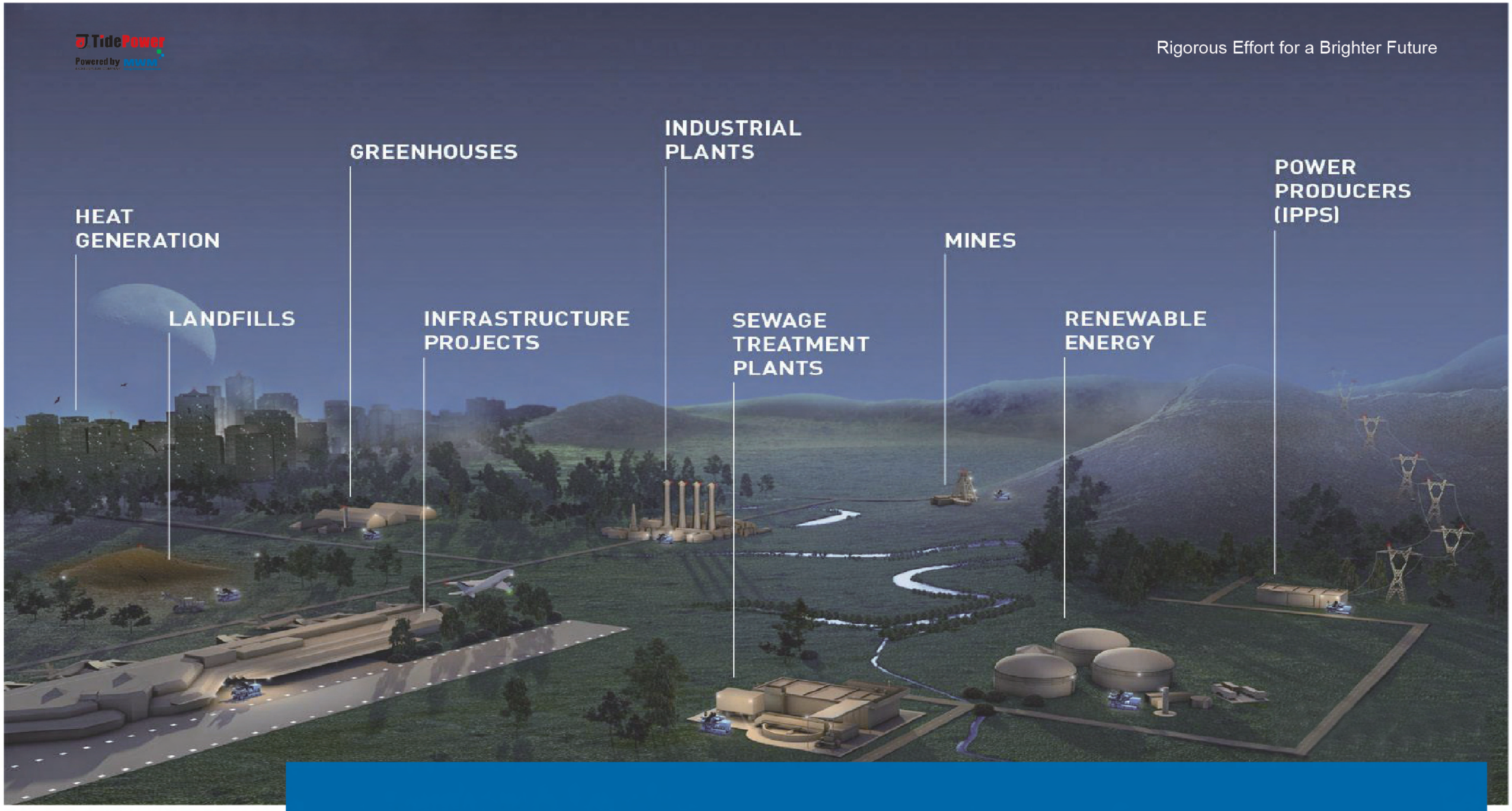
Our focus lies in our insatiable effort and professional know how in the capability of meeting the highest standard of the business practice which by all means surpasses the demand for all application and the requirement. Given our thought in providing perfect configuration to meet the demand and need, Tide Power has always been recognized and considered as the leading provider in the industry.

No doubt that the rated ranges offered whether in diesel or gas power can be satisfied and easily fit into most needs not to mention with our prompt and efficient delivery. This of course will at all time assure our working partner the guaranteed power with our round the clock services.



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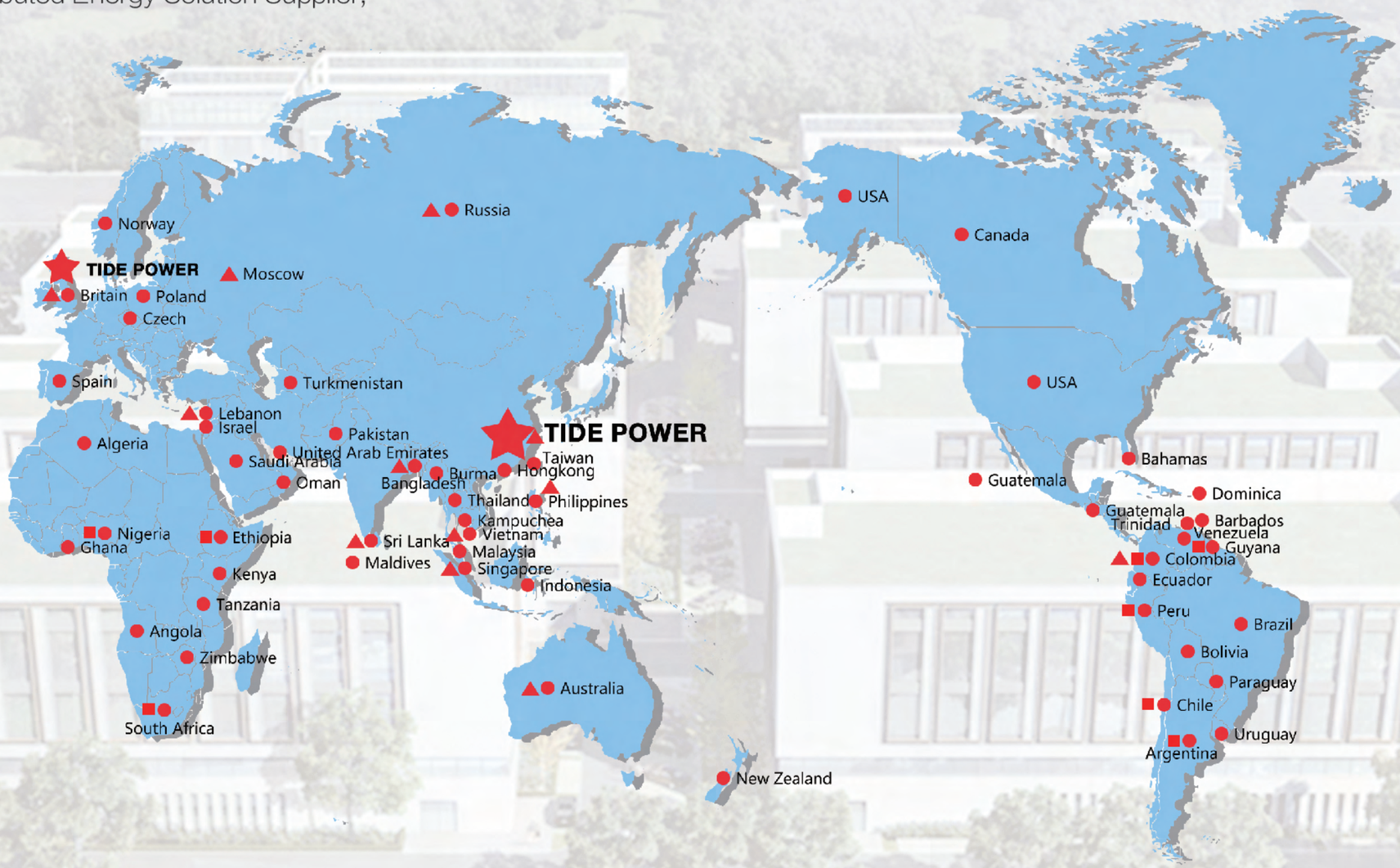
Our Service
Your Choice

Market Segments

Tide Power New Energy In the World

Tide Power Technology Co., Ltd.

A Professional Distributed Energy Solution Supplier;



Provide global client with **Customized Distributed Energy Solution**, Pre-sales Analysis, After-sales Service Training, Renewable Energy Investment Budget Analysis, One-stop Turnkey Engineering Project.



EPC： Engineering & Procurement & Construction

O&M： Operation & Maintenance

EMC： Energy & Management & Contracting

BOT： Build & Operation & Transfer

EPC+F： Engineering & Procurement & Construction + Financing

EP： Engineering & Procurement

PPP： Public & Private & Partnership

IPP： Independent Power Producer

Our Service Your Choice

Energy Project Type



Advantages

Advantages of Tide Power

OUR MAJOR ADVANTAGE

1 Product Advantages

Professional R&D Team, Years of experience in genset manufacturing

2 Service Advantages

Global distribution network, able to provide products and services quickly

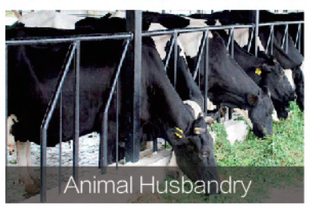
3 Technical Advantages

Have a full set of project team to provide multi-mode business cooperation

1 Application

- Coal Mine Gas, Natural Gas;
- Animal Husbandry, Animal Breeding;
- Agriculture, Agricultural Straw, Waste Treatment Landfill;
- Waste Landfill, Meal Waste, Greenhouse, Organic Wastewater, Food Manufacturing, Industry, Wine Industry, Paper industry;
  ……


Agriculture


Animal Husbandry


Organic Wastewater


Waste Landfill

2 Gas Classification

Tide Power is a global leader in the field of gas generating sets and CHP systems. We are one of the few gas generating set manufacturers in the world dedicated to the development of various special applications. At the same time, we make full use of various resources to offer a complete set of clean energy solutions, so as to maximize the benefits of each customer. reflect. Tide Power gas generator sets provide range from 7kW to 4.5MW, which can be used as:

- Natural Gas
- Biogas
- Landfill Gas
- Coal Mine Gas
- Petroleum Associated Gas
- Sewage Biogas
- Combustible Industrial Waste Gas
- Syngas
- Shale Gas
- Methane Gas



Tide Power
New Energy Product

3 Distributed Energy Solution

1) Animal Husbandry/Animal Breeding Solutions
2) Agriculture/Agricultural Straw/Waste Treatment Landfill Solutions
3) Landfill Solutions
4) Petroleum Associated Gas Solutions
5) Organic Wastewater Solutions

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Introduction

Generator Power: 7kW–4.5MW

Engine Brand: MWM、Tide Power

MWM Energy. Efficiency. Environment. TidePower

Advantages and Features

1）High Security

- Cylinder Temperature Protection System
- Explosion Proof Control System
- Gas Leak Protection Device
- Lightning Protection
- Smoke Alarm System
- Reliable Gas Train



2）High Durability

- Coupling Joint
- Automatic Oil Refilling
- High Strength Skid Base& Canopy
- High Performance Vibration Absorbing Rubber
- Stainless Steel Pipeline
- Oil&Gas Filter System

3）High Reliability

- Guarantee Continuous Running for 6,000- 8,000 Hours / Year
- All kinds of Wearing parts and Spare parts are always available to escort 24 hours non-stop Power Generation
- Global Service Network



Tide Power
New Energy Product

4）High Efficiency

- Heat Recovery
- Exhaust Recovery
- Cogeneration, Energy Utilization can reach ⩾85%

5）Humanized Design

- LCD Intelligent Control System
- Remote Monitoring and Communicate Interface
- Customized Low Noise Canopy to guarantee the products can be used in Residential Areas
- Modular Design for Electricity, Heat and Cooling for easy Maintenance

Product overview--Natural gas

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50HZ

Genset Model	Engine Model	Output Power kW/kVA	Cylinder No.& Arrangement	Displacement Litres	Oil Consumption g/kW.h	Gas Consumption m^3/kW.h
TM600G	TCG3016V12	600/600	12-V Type	26.3	0.1	0.25
TM800G	TCG3016V16	800/800	16-V Type	35	0.1	0.25
TM1000G	TCG3016V16S	1000/1000	16-V Type	35	0.1	0.26
TM1200G	TCG2020V12	1200/1200	12-V Type	53	0.2	0.24
TM1500G-K	TCG2020V16K	1500/1500	16-V Type	71	0.2	0.24
TM1560G	TCG2020V16	1560/1560	16-V Type	71	0.2	0.24
TM2000G	TCG2020V20	2000/2000	20-V Type	89	0.2	0.24
TM4500G-HV	TCG2032V16	4500/4500	16-V Type	272	0.3	0.24

TidePower

50HZ

Genset Model	Engine Model	Output Power kW/kVA	Cylinder No.& Arrangement	Displacement Litres	Oil Consumption g/kW.h	Gas Consumption m^3/kW.h
TEA19G	EG2L-2G	15/19	2 In-Line	2.2	≤0.4	0.28
TEA44G	EG4L-3G	35/44	4 In-Line	2.8	≤0.4	0.28
TCM75G	CG4L-4G	60/75	4 In-Line	3.9	≤0.4	0.28
TCM112G	CG6L-6G	60/75	6 In-Line	5.9	≤0.4	0.28
TCM163G	CG6L-8G1	130/163	6 In-Line	8.3	≤0.4	0.27
TCM200G	CG6L-8G2	160/200	6 In-Line	8.3	≤0.4	0.27
TCM225G	CG6L-9G	180/225	6 In-Line	8.9	≤0.4	0.27
TCM250G	CG6L-10G	200/250	6 In-Line	9.5	≤0.4	0.29
TCM275G	CG6L-14G	220/275	6 In-Line	14	≤0.6	0.29
TEA313G	EG6L-13G1	250/313	6 In-Line	13	≤0.6	0.27
TEA375G	EG6L-13G2	300/375	6 In-Line	13	≤0.6	0.29
TEA450G	EG12V-24G	360/450	12-V Type	24	≤0.6	0.29
TCM625G	CG12V-38G	500/625	12-V Type	38	≤0.6	0.29

TidePower

60HZ

Genset Model	Engine Model	Output Power kW/kVA	Cylinder No.& Arrangement	Displacement Litres	Oil Consumption g/kW.h	Gas Consumption m^3/kW.h
TEA19XG	EG2L-2G	15/19	2 In-Line	2.2	≤0.4	0.28
TEA44XG	EG4L-3G	35/44	4 In-Line	2.8	≤0.4	0.28
TCM75XG	CG4L-4G	60/75	4 In-Line	3.9	≤0.4	0.28
TCM112XG	CG6L-6G	60/75	6 In-Line	5.9	≤0.4	0.28
TCM163XG	CG6L-8G1	130/163	6 In-Line	8.3	≤0.4	0.27
TCM200XG	CG6L-8G2	160/200	6 In-Line	8.3	≤0.4	0.27
TCM225XG	CG6L-9G	180/225	6 In-Line	8.9	≤0.4	0.27
TCM250XG	CG6L-10G	200/250	6 In-Line	9.5	≤0.4	0.29
TCM275XG	CG6L-14G	220/275	6 In-Line	14	≤0.6	0.29
TEA313XG	EG6L-13G1	250/313	6 In-Line	13	≤0.6	0.27
TEA375XG	EG6L-13G2	300/375	6 In-Line	13	≤0.6	0.29
TEA450XG	EG12V-24G	360/450	12-V Type	24	≤0.6	0.29
TCM625XG	CG12V-38G	500/625	12-V Type	38	≤0.6	0.29

Product overview--Biogas

MWM
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50HZ

Genset Model	Engine Model	Output Power kW/kVA	Cylinder No.& Arrangement	Displacement Litres	Oil Consumption g/kW.h	Gas Consumption m^3/kW.h
TM600G	TCG3016V12	600/600	12-V Type	26.3	0.1	0.25
TM800G	TCG3016V16	800/800	16-V Type	35	0.1	0.25
TM1200G	TCG2020V12	1200/1200	12-V Type	53	0.2	0.24
TM1500G-K	TCG2020V16K	1500/1500	16-V Type	71	0.2	0.24
TM1560G	TCG2020V16	1560/1560	16-V Type	71	0.2	0.24
TM2000G	TCG2020V20	2000/2000	20-V Type	89	0.2	0.24

TidePower

50HZ

Genset Model	Engine Model	Output Power kW/kVA	Cylinder No.& Arrangement	Displacement Litres	Oil Consumption g/kW.h	Gas Consumption m^3/kW.h
TEA13BG	EG2L-2BG	10/13	2 In-Line	2.2	≤0.4	0.58
TEA31BG	EG4L-3BG	25/31	4 In-Line	2.8	≤0.4	0.58
TCM50BG	CG4L-4BG	40/50	4 In-Line	3.9	≤0.4	0.58
TCM75BG	CG6L-6BG	60/75	6 In-Line	5.9	≤0.4	0.58
TCM125BG	CG6L-8BG1	100/125	6 In-Line	8.3	≤0.4	0.58
TCM150BG	CG6L-8BG2	120/150	6 In-Line	8.3	≤0.4	0.58
TCM175BG	CG6L-9BG	140/175	6 In-Line	8.9	≤0.4	0.58
TCM200BG	CG6L-10BG	160/200	6 In-Line	9.5	≤0.6	0.58
TCM225BG	CG6L-14BG	180/225	6 In-Line	14	≤0.6	0.58
TEA250BG	EG6L-13BG1	200/250	6 In-Line	13	≤0.6	0.58
TEA313BG	EG6L-13BG2	250/313	6 In-Line	13	≤0.6	0.58
TCM500BG	CG12V-38BG	400/500	12-V Type	38	≤0.6	0.58

TidePower

60HZ

Genset Model	Engine Model	Output Power kW/kVA	Cylinder No.& Arrangement	Displacement Litres	Oil Consumption g/kW.h	Gas Consumption m^3/kW.h
TEA13BXG	EG2L-2BG	10/13	2 In-Line	2.2	≤0.4	0.58
TEA31BXG	EG4L-3BG	25/31	4 In-Line	2.8	≤0.4	0.58
TCM50XBG	CG4L-4BG	40/50	4 In-Line	3.9	≤0.4	0.58
TCM75XBG	CG6L-6BG	60/75	6 In-Line	5.9	≤0.4	0.58
TCM125XBG	CG6L-8BG1	100/125	6 In-Line	8.3	≤0.4	0.58
TCM150BG	CG6L-8BG2	120/150	6 In-Line	8.3	≤0.4	0.58
TCM175XBG	CG6L-9BG	140/175	6 In-Line	8.9	≤0.4	0.58
TCM200XBG	CG6L-10BG	160/200	6 In-Line	9.5	≤0.6	0.58
TCM225XBG	CG6L-14BG	180/225	6 In-Line	14	≤0.6	0.58
TEA250XBG	EG6L-13BG1	200/250	6 In-Line	13	≤0.6	0.58
TEA313XBG	EG6L-13BG2	250/313	6 In-Line	13	≤0.6	0.58
TCM500XBG	CG12V-38BG	400/500	12-V Type	38	≤0.6	0.58

Biogas Power Plant BOT Project

With our years of experience, we are able to offer a tailor-made design to meet your requirements.

Tide Power primes ourselves in developing into new area of green energy. As a gas generator provider, we could involve with local partners with both the generator sets as well as financial support. We always do our best for both current and future projects.



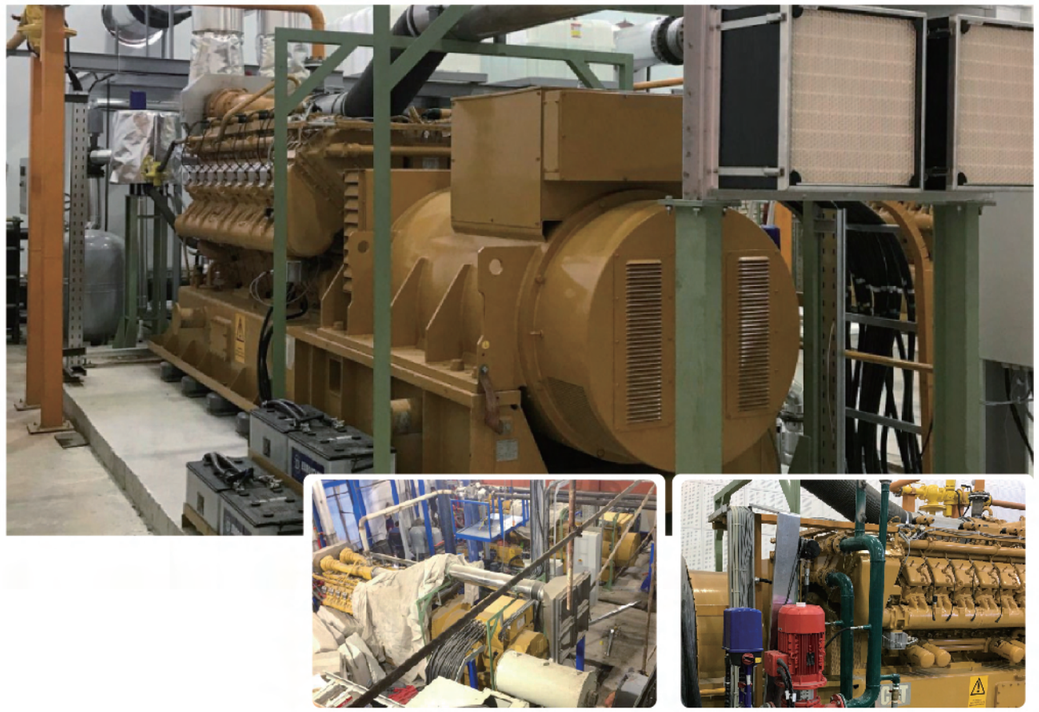
Location	Malaysia
Power Rating	1 MW
Time	Sept, 2017
Fuel	Biogas

16 years Bio-Gas (Palm Oil)Power Plant Project, known as a palm oil effluent is one of the energy source, which is used for electricity generation.Tide Power makes the best proposal for the mill in providing renewable energy. It saves the fuel costs and also increases revenues by selling the electricity to the grid.

Natural Generator Gas

We are proud to provide the high efficient technology to satisfy the needs of our customers with the optimum solutions, always trying to get to excellence.

Past experience allows us in providing all projects with economic benefits and optimizing the use of energy.



Location	Indonesia
Power Rating	2MW *2
Time	Nov, 2016
Fuel	Natural Gas

Fuelled by natural gas, the 4MW plant generates electricity and heat, making the best possible use of the energy from CHP. With well proven CHP technology, it contributes to the financial and carbon savings through its high efficient use of energy, which provides a good return on investment.

Perkins Gas Generator with CHP System

For commissioning or maintenance, our professional service engineersare ready to give you the help you need.

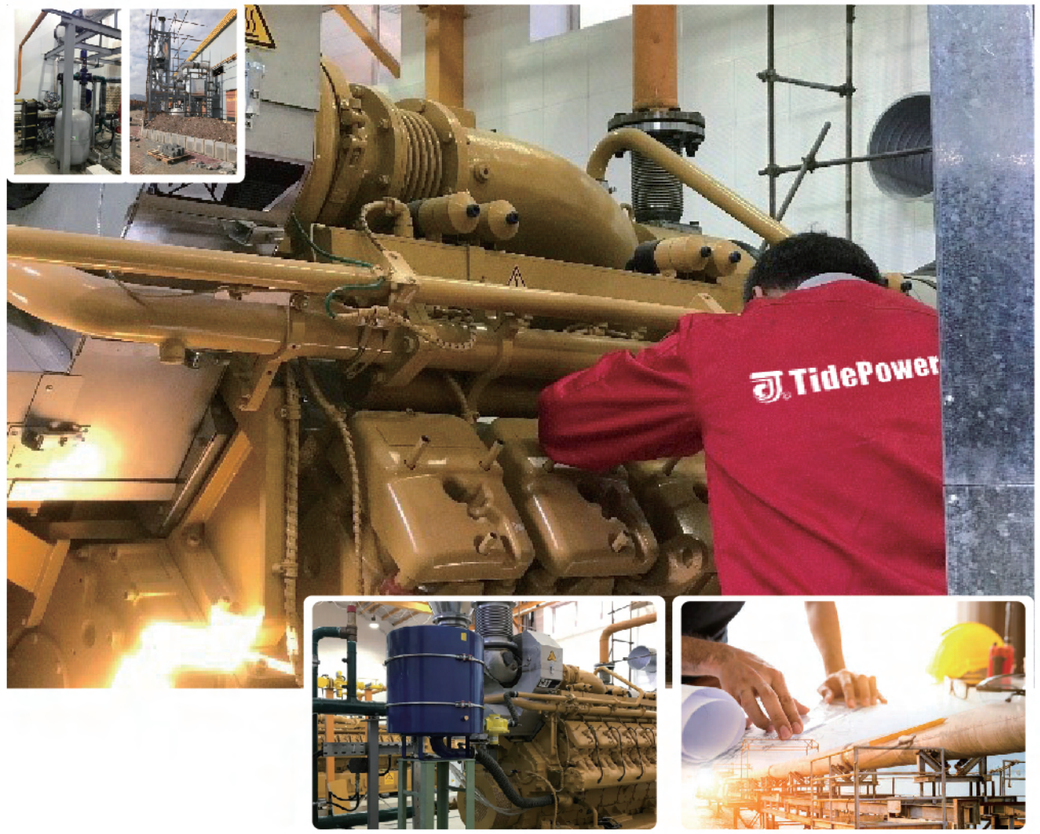


Location	Russia
Power Rating	1000kW*1
Time	2020
Fuel	Natural Gas

Our customers will benefit from the optimum heat recovery employing the CHP system. The heat arising during the production of electricity does not simply escape unused into the atmosphere, but is put to practical use, which makes the technology of cogeneration so efficient and climate-friendly.

Paper Making Factory with Power Station

It is used in Paper Making Equipment Factory, which using 2 units of CG170-20. Each unit capacity is 2MW and total is 4MW to supply power to equipment. Signed contract in 2016 and completed commissioning in June 2018. So far until now, the gensets were already stably running almost 3 years, no any abnormal situation occurred.



Location	South America
Power Rating	2MW *2
Time	June, 2018
Fuel	Natural Gas

Power Station

It is used in Power Station ,which using 2 units of 2MW CG170-20 and 2 units of 1.5MW CG170-16K. Selling total 7MW power to National Grid. Signed contract in 2017 and completed commissioning in August 2019. So far until now, the gensets were already stably running almost 2 years, no any abnormal situation occurred.



Location	Southeast Asia
Power Rating	2MW *2+1.5MW *2
Time	Aug, 2019
Fuel	Natural Gas

Power Station

It is used in Power Station ,which using 13 units of 2MW CG170-20. Selling total 26MW power to National Grid. Signed contract in 2017 and completed commissioning in January 2021. So far until now, the gensets were already stably running almost 1 years, no any abnormal situation occurred.



Location	Middle East
Power Rating	2MW *13
Time	Jan, 2020
Fuel	Natural Gas

Tide Power Gas Generator with Canopy

For commissioning or maintenance, our professional service engineers are ready to give you the help you need.



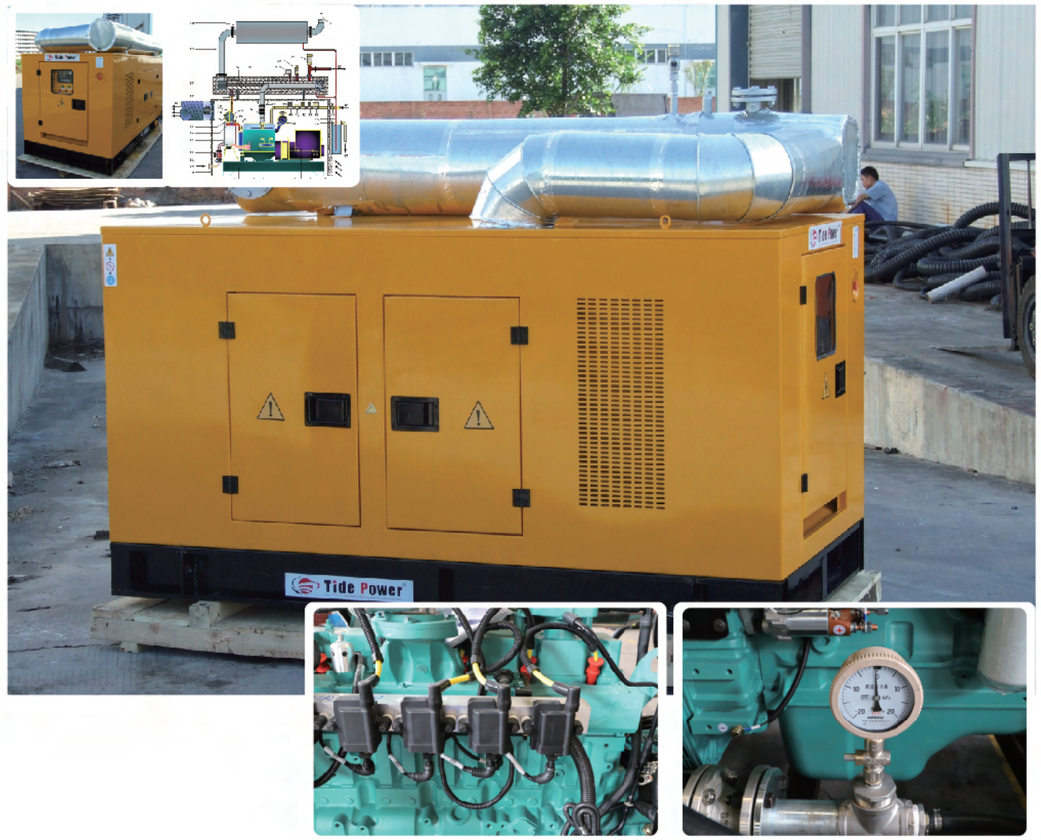
Location	Indonesia
Power Rating	100kVA*2
Time	2016
Fuel	Coal Mine Gas

The Coal Mine power plant is very cost-efficient since there is no need to transport gas from the gas well in which natural gas supply as on the spot for power generation, and thus minimize overall costs.

Cogeneration of Power and Heat from Jacket Water

Our prime objective is to cooperate with our customers to make success for the projects for a win–win scenario.

One of the key factors of success is continuous service. We aware that our success depends on the success of our customers. Tide Power works closely with our clients at all times. And that years of experience and excellent service account for such achievement.



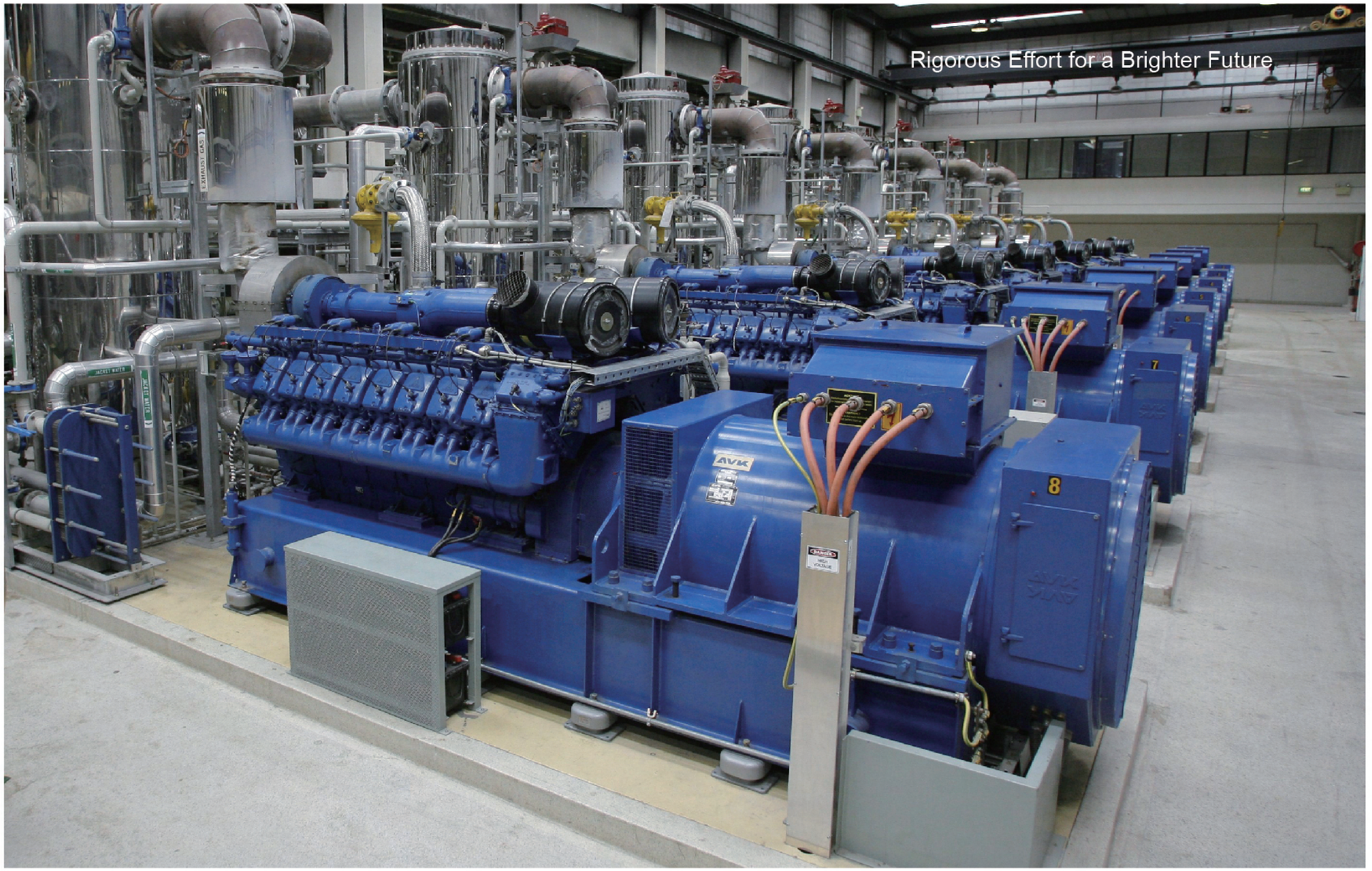
Location	Argentina
Power Rating	120kW
Time	2018
Fuel	Natural Gas

Making the best use of the abundant supply of natural gas domestically for power generation, it can save the energy cost and lower CO_2 emissions, which makes contribution to a stable, clean energy supply of the future.

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A CATERPILLAR COMPANY

Tide Power provides comprehensive, turnkey CHP/CCHP system management — from sizing, design and installation to ongoing operation and maintenance. Our clients can realize the full benefits of CHP/CCHP simply by letting the experts at Tide Power handle all the details.

Through CHP/CCHP to maximize efficiencies and achieve unprecedented profitability — and we're there with them every step of the way. Not only does Tide Power provide the expertise to help get your CHP/CCHP system up running now, we are committed to support you as your operations grow in the future.



Tide Power
CHP/CCHP Turnkey System

