



Green Power International Pvt. Ltd.

**An ISO 9001-2015 Certified Co.
A Powergen Company In Distributed Power Generation**

GPI Energy Thailand Ltd. It was established in the Year 2017, focusing on the sales, erection, commissioning & after- sales support of gas gensets and EPC projects in the Thai region. we are the authorized distributor of MWM products (Sales and Services) in Thailand.

GPI Energy (Thailand) offers below services:

- **Supply of spares for MWM gas engines**
- **Supply of balance of plant for MWM Gas engines and installation works**
- **Supply and installation of Heat recovery equipment on MWM Gas engines**
- **Annual Maintenance Contract**
- **Genset overhauls**
- **Genset Recommissioning**
- **Balance of plant checks**



HEAD OFFICE

- E-12/A, Sector-63, Noida - 201301, U.P. (India)

THAILAND OFFICE

- **GPI ENERGY (THAILAND) LTD.**
1000/5-6, Liberty Plaza, Floor 20, Sukhumvit SOI 55 Thonglor)
Klong Tan Nuea Wattana, Bangkok - 10110, Thailand



HEAD OFFICE - +91-120-4655400/437, Fax No.: +91-120-4655499 (Noida)

THAILAND OFFICE - +66 98 852 7675 (Thailand)



gpil@greenpowerintl.com



www.greenpowerintl.com



Green Power International Pvt. Ltd.



THE FUTURE IS GREEN

**Complete Turnkey EPC Solution For Power Plants Along
with Heat Recovery & Power Conditioning Solutions**



Green Power International Pvt. Ltd.

CREATING A GREENER TOMORROW

Green Power International Pvt. Ltd. is an EPC solutions provider using gas and liquid fuels for power generation systems.

Founded in 2002, we specialize in comprehensive turnkey EPC solutions for gas and liquid fuel-based power plants up to 100 MW as well as Heat Recovery & Power Conditioning Solutions. This ranges from supplying, installing, testing, and commissioning the power plants to operating and maintaining them in the long term. We have experience of executing over 750+ MW CHP and CHPC power plants running on natural gas, wood gas, syngas, biogas, HFO, and many more.

Our core competencies include the design of plants, engineering, plant construction, operation, and maintenance of complete plants. With over 20 years of machine and plant engineering experience, Green Power offers each customer a customized solution for their specific requirements.



More Than 20+ Years of Experience In The Power Generation Field.



900+ MW of Installation Base Worldwide.



500+ Trained and Committed Workforce.



10 Million Cumulative Running Hours and Counting.



24x7 Availability of Maintenance Services and Spare Parts.

Services offered

- Comprehensive O&M Services for The Power Plants (CAS, Diesel, HFO & Thermal).
- Overhauling and Troubleshooting Services.
- Spares for Power Plants.

CUSTOMER: NTPC, NETRA

Project: Set-up of 400 TR Flue Gas Waste Heat Air Conditioning System at NTPC Talcher, Kaniha



Operation & Maintenance Services

Green Power International offers comprehensive O&M and AMCs covering inspection of gensets to fulfill individual customer requirements and ensure the economic success of the plants. With a strong team of over 500+ technical and service engineers specializing in the power generation industry, available round the clock, providing an after-sales support network with in-house capability to handle CHPC projects including long-term O&M contracts, we ensure the quality and efficiency of the plant.

Spare Parts For Power Plants

In our commitment to serving our valuable customers round the clock, we have the largest inventory of genuine spare parts for the entire range of Gas Gensets and DRUPS Systems.

Green Power is the authorised supplier of MWM, E2P, and E2P+ gas gensets and DRUPS Systems. We also offer a wide range of spare parts for the balance of plant (BOP) and heat recovery equipment.

International Footprints

Green Power International works across markets and geographies to solve our clients most complex and demanding challenges related to Power and EPC. Our integrated approach connects global expertise with local perspectives, bringing together the right disciplines and resources to deliver innovative solutions that do more for clients.

Nigeria

GPI Power Nigeria Ltd. is the 100% owned subsidiary of Green Power International Pvt. Ltd. (India) to support local Sales and after-sales- operations in Nigeria and the entire African Continent. Since its inception in 2012, GPI Nigeria has installed more than 100MW gas and liquid fuel-based power projects in the African region.

Thailand

GPI Energy Thailand Ltd. It was established in the Year 2017, focusing on the sales, erection, commissioning & after- sales support of gas gensets and EPC projects in the Thai region. we are the authorized distributor of MWM products (Sales and Services) in Thailand.



Green Power International Pvt. Ltd.



Energy. Efficiency. Environment.

PURSUING SUSTAINABILITY WITH GPI

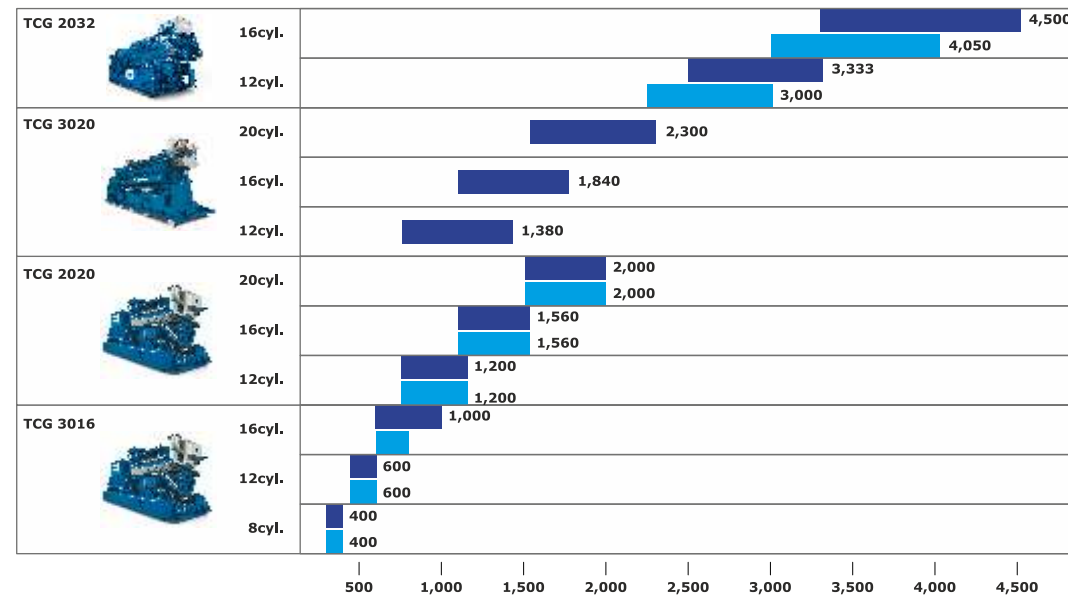
MWM Gas Gensets

MWM (A Brand of Caterpillar Energy Solution GmbH), is one of the top brands in the world for combined heat and power (CHP) cogeneration facilities, which are extremely eco-friendly and efficient cogeneration units used for decentralised energy production and has over 150 years of experience in the development and optimization of gas engines for natural gas, biogas, and other special gases.

Green Power International is the authorised representative for the MWM brand of gas gensets, spares & after-sales services in India and Thailand as well as the MWM Solution provider for the provision of Sales and Services of the MWM product range into multiple African markets.

With Mwm Products, We Bring A Range of 400kwe To 4500kwe of Environmentally Friendly Gas-based Gensets

- Offers products : Natural Gas, Coke Oven Gas, Biogas, Sewage Gas, Coal Bed Methane, Producer gas, etc.
- Now offering gensets capable of operating on Hydrogen fuel.



With our gensets, we can cover a power range from 400 kW to 10300 kW for decentralized power production.

Electrical output Per Genset in kW
50HZ
60HZ



MWM Installations

Customer Name: AMUL DAIRY

Project: SITC of 1 No. x 1364 KWe Natural Gas Genset-based Power Plant, Anand, Gujarat

Customer Name: SAINT GOBAIN GLASS

Project: TCG 2032 V16, Heat recovery Boiler from Exhaust, Bhiwadi (Rajasthan)

Customer Name: OLAM GROUP 3

Project: 1 No.xTcG 2016 V12C
Lagos, Nigeria





Green Power International Pvt. Ltd.



ENERGY-EFFICIENT AND ENVIRONMENT-FRIENDLY POWER

E2P Gas Genset Available on Natural Gas

E2P Gas Gensets are a Leading brand of GEGs designed to cater to the power requirement of 40 KVA to 125 KVA for standby and continuous applications.

They are equipped with CPCB approved highly efficient and reliable Ashok Leyland to make Gas Engines.

- Better fuel efficiency in its class with minimal operating cost.
- Ready to Use (RTU) units for Oil & Gas, CBM blocks, CNG Stations, and industrial and commercial sectors.



Engine Type		E2P40(c)*	E2P62.5(c)*	E2P125(c)
Electrical Output	KVA	40	62.5	125
Cylinders	Nos.	4	6	6
Speed	RPM	1500	1500	1500

*ALSO AVAILABLE IN BIOGAS

E2P+ Gas Genset Available on Biogas

The E2P+ Gas Gensets are based on the state-of-the-art European / German Engine platform. They range from 140 Kwe - 500 Kwe and are specially developed and manufactured for use with different gases. In addition to natural gas and biogas, the engine can also run on wood gas and other special gases.

Engine Type		E2P+BG-140	E2P+BG-200	E2P+BG-250	E2P+BG-260
Electrical Output	Kw	140	200	250	260
Cylinders	Nos.	6	6	6	8
Electrical Efficiency	%	38.6	41	41.8	41
Speed	RPM	1500	1500	1500	1500

Engine Type		E2P+BG-333	E2P+BG-400	E2P+BG-500
Electrical Output	Kw	333	400	500
Cylinders	Nos.	8	12	12
Electrical Efficiency	%	41.9	41.1	42.1
Speed	RPM	1500	1500	1500

E2P Installations

Customer: GULSHAN CHEMICALS LTD.

Project: STIC of 4 nos. x 125 Kva E2P Gas Gensets with Synchronization Panel, Bhiwadi, Rajasthan

Customer: HALDIRAM

Project: 1x 125 kva and 1x 62.5kva, Nehru Nagar Ghaziabad, Uttar Pradesh





Green Power International Pvt. Ltd.

DRUPS



Green Power offers Uninterrupted & infinite Power back with Diesel Rotary UPS (DRUPS) from leading DRUPS manufacturers providing uninterrupted power supply solutions to critical operation industries in India.

The technology has its origin in Liege, Belgium, where these DRUPS systems are manufactured. Green Power has been the authorized distributor for Euro Diesel's Drups for the Northern parts of India since 2014. In 2019, Euro diesel was taken over by Rolls Royce and was renamed Rolls Royce Solutions Liege.

The DRUPS system does the Power Conditioning of the Grid Supply by correcting the voltage, Improving the Power Factor, filtering Harmonics & eliminating micro-cuts. It is made up of a Diesel Engine that is coupled to a Stator-Alternator, via an Electromagnetic Clutch. The NO-BREAK KS® also includes a control and choke/power panels.

Standby Power (3D) - 60 HZ/1800 RPM.

	Power output ¹⁾				Available voltages		Emissions					Accu arrang.	Certifications				Uptime compl.	Housing		
	no-break kVA	no-break kWe	short-break kVA	short-break kWe	low voltage 208 - 480 (3 Phase)	medium voltages 4 - 36 kV (3 Phase)	US EPA stationary EMERG Tier 3 (40 CF 60)	US Nonroad Tier 3 compliant	US EPA stationary EMERG Tier 2 (40 CF 60)	US Nonroad Tier 2 compliant	Fuel consumption optimized		ISO 8528	UL2200	NFPA 110	IBC 2012	Tier I & Tier II	Tier III & Tier IV	Enclosure	Container
mtu KP5	250	200			x	x					x					x				
	300	240			x	x					x					x				
	400	320			x	x					x					x				
	500	400			x	x			x	x						x				
	625	500			x	x			x	x						x				
	800	640			x	x			x							x				
	1000	800			x	x			x							x				
	1250	1000			x	x			x							x				
	1500	1200			x	x			x	x	x					x				
	1700	1360			x	x			x	x	x					x				
	1875	1500	1125	900	x	x			x	x	x					x				
	2000	1600			x	x			x	x	x					x				
2000	1600	500	400	x	x			x	x	x					x					
2500	2000			x	x			x	x	x					x					
3000	2400			x	x			x	x	x					x					
3000	2400	300	240	x	x			x	x	x					x					
mtu KP7	2500	2000			x	x			x	x						x				
	3000	2400			x	x			x	x						x				
	3000	2400	300	240	x	x			x	x						x				

DRUPS Installations

Customer: NETRA
Project: No-Break KS Model
 Greater Noida (Delhi NCR)
 NETRA





Green Power International Pvt. Ltd.

We at Green Power envision a future where the industry can meet the growing energy demands in an environmentally sustainable way. And we endeavor to develop and deliver such a future by harnessing the potential of Carbon Capture & Hydrogen.

CARBON CAPTURE

Green Power International works as an independent clean energy developer to design and construct a carbon capture plant on a turnkey basis in a variety of industries, including coal-based power plants, the cement and steel industries, refineries, and more. We collaborate with the best technology partners that align with operational realities. Using their proven Carbon Capture, Utilization, and Storage (CCUS) technologies, industries can capture over 99% of their CO2 emissions.

Customer Name: NTPC LTD.

Project: Setting up of 20 TPD CO2 Capture Plant from Coal-fired flue gasses of NTPC Super Thermal Power Station, Vindhayachal, Madhya Pradesh



HYDROGEN GENERATION

Green Power has the expertise to integrate hydrogen-based projects on a turnkey basis from generation to utilization for a variety of applications, including natural gas blending, the production of methanol, power generation using hydrogen fuel cells or MWM hydrogen-adapted gas engines, hydrogen dispensing stations, etc.

Services offered

- Hydrogen Generation
- Compression and Storage
- Power Management
- Safety
- Purification
- Utilization
- Operation and Maintenance



Building A Trust That Goes A Long Way



IndianOil-Adani Gas Pvt. Ltd.

