



**YANMAR**

ENERGY SYSTEMS & POWER EPC SOLUTIONS

## YANMAR FLYING-Y BUILDING



**Takeito Yamaoka**  
*President*



**Magokichi Yamaoka**  
*Founder*

*Trade Name* YANMAR Co. Ltd.

*Head Office* YANMAR FLYING-Y BUILDING  
Osaka, Japonya

Capital 6M \$ / Annual Turnover 8,7B \$

Employees (Company Base) 27.000 (2023)

# ABOUT YANMAR



With over 100 years of experience, we are working to provide sustainable solutions to the needs that are essential for human life. By focusing on the challenges our customers face in producing food and harnessing power, we enrich people's lives for all of our tomorrows.



The Yanmar logo, inspired by the wing structure of the Dragonfly Beetle, symbolizes the innovative spirit of the brand, its belief in the future and its world-leading technology.



Industrial Engine  
Since 1933



Marine Pleasure  
and Commercial  
Since 1947



Equipments  
Since 1947



Large  
Generations  
Since 1954



Energy Systems  
Since 1954



Agriculture  
Since 1963



Construction  
Since 1966

# YANMAR'S BUSINESS AREAS



Yanmar has seven business fields serving on land, sea, and city. Our engine business offers quality and reliable engines since the founding. In our agricultural business, we expand globally to ensure an abundant food supply. Our marine related business strives to coexist with the marine environment. We offer energy-saving technology in our energy systems business. Our construction business provides an extensive range of construction equipment, and our component business manufactures innovative products.

LAND

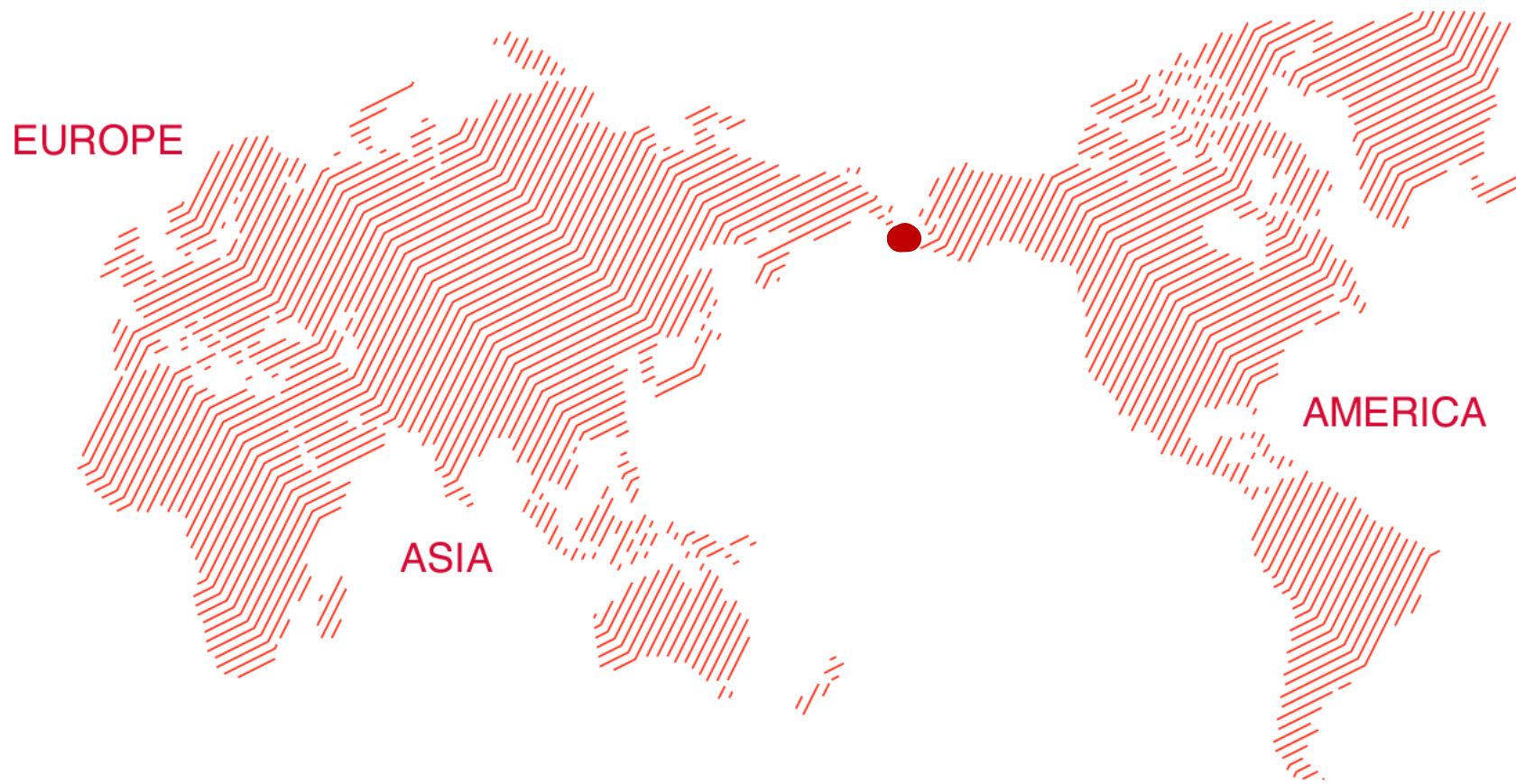


SEA



CITY

# OUR BUSINESS DOMAINS ARE THE EARTH ITSELF





# ABOUT YANMAR TURKEY



As a full subsidiary of Yanmar in Turkey, we started our operations in Izmir in 2016. Together with our growing business lines, we opened our office in Istanbul in 2022. As Yanmar Turkey, we provide services in agricultural machinery and equipment, energy systems, industrial engines and e-commerce. Since 2017, we have been offering technological solutions in many regions such as Turkey and its neighboring countries, Eastern Europe, Turkic Republics, Arab countries, North Africa.

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## *Trade Name*

YANMAR TURKEY MAKİNE A.Ş.

## *President*

Mustafa Kemal Erdoğan Shoshi (Chairman of the Board)

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## *Head Office*

Ater Tower Konak, İZMİR

## *Istanbul Office*

Metropol İstanbul Ataşehir, İSTANBUL



# YANMAR ENERGY SYSTEMS & POWER EPC BUSINESS

With our century-old experience and wide range of products, we produce reliable, long-lasting energy solutions.





## What is the Power EPC\* Model?

**Power**  
**Engineering**  
**Procurement**  
**Construction**

POWER EPC Contracting  
New Business Model for Energy Systems



## *Our Power EPC*

					
Diesel Generator Sets	Trigeneration	Micro Cogeneration	Medium Speed Engine	Cogeneration	Gas Turbine
					
Biogas Micro Cogeneration	Gas Engine Heat Pump	Lighting Tower	Biogas & Special Gas Engine	ORC	Steam Turbine

# YANMAR POWER EPC PROJECT IMPLEMENTATION STRATEGY



Yanmar offers a wide range of cogeneration / trigeneration systems with 85-90% efficiency, which can be used as single units or in multi-unit systems, providing excellent solutions for the generation of electrical power, hot water/steam/hot oil and cooling for the whole range of buildings where people live, work and play. Yanmar cogeneration and trigeneration systems are suitable for operation with natural gas, biogas/landfill/associated petroleum gas (flare)/hydrogen as fuel.

Yanmar provides turnkey solutions with all the power EPC works required for a project or power plant etc. Yanmar capabilities include all engineering, design, site works, ancillary equipment (fuel tanks, transfer and synchronisation of panels, cables/cable trays, transformers, MV cells...), procurement, electrical and mechanical installations, site operation, services for a power project and necessary construction & contracting works. Yanmar is also able to carry out on-grid/off-grid renewable energy projects, geothermal power plants, combined cycle power plants.



- Total Plant Design
- Engineering
- Procurement
- Site Works
- Project Management
- Plant Commissioning
- After Sales

# ELECTRICAL & MECHANICAL SITE INSTALLATION WORKS

## POWER EPC PROJECTS

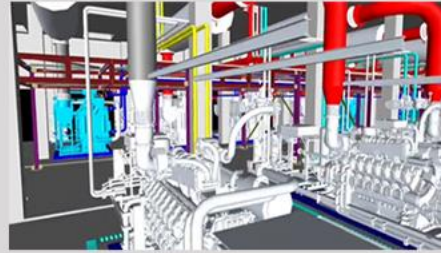


### ELECTRICAL PRODUCTS

- INDUSTRIAL AUTOMATION
- SYNCHRONIZATION SYSTEM
- MEDIUM VOLTAGE DISTRIBUTION SYSTEMS
- TRANSFORMER
- LOW VOLTAGE DISTRIBUTION SYSTEMS
- BUSBAR SYSTEM
- CABLES
- NEUTRAL RESISTANCE
- LOAD BANK
- RENTAL EQUIPMENT
- BATTERY CHARGER & UPS

### MECHANICAL PRODUCTS

- STANDARD / SPECIAL DESIGN CONTAINERS
- MODULAR TYPE CANOPY
- UNDER / ABOVE GROUND FUEL TANKS
- FUEL AUTOMATION SYSTEM
- EXHAUST SILENCER
- SOUND ATTENUATOR
- RADIATOR
- COOLING TOWER
- HEAT EXCHANGER
- HEAT RECOVERY BOILER
- ABS CHILLER
- SEISMIC EQUIPMENTS



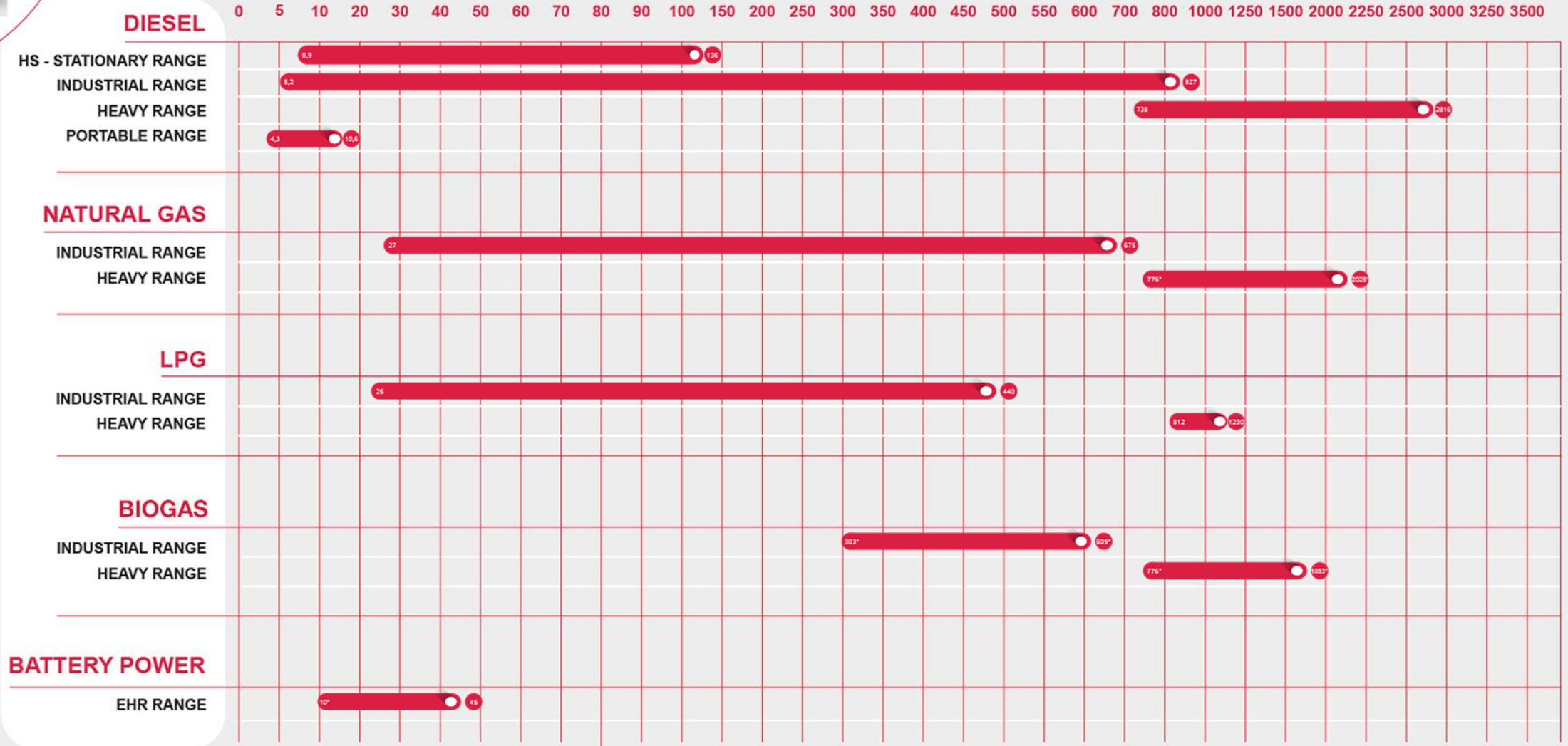




# Himoina Products



## POWER kVA PRP/ESP/COP/DSP





## POWER kVA PRP/ESP

### NATURAL GAS

CP SERIES

0 5 10 20 30 40 50 60 70 80 90 100 150 200 250 300 350 400 450 500 550 600 700 800 1000 1250 1500 2000 2250 2500 3000 3250 3500

### DIESEL

eG55 SERIES

eG-i SERIES

YEG SERIES

YDG SERIES

YH SERIES

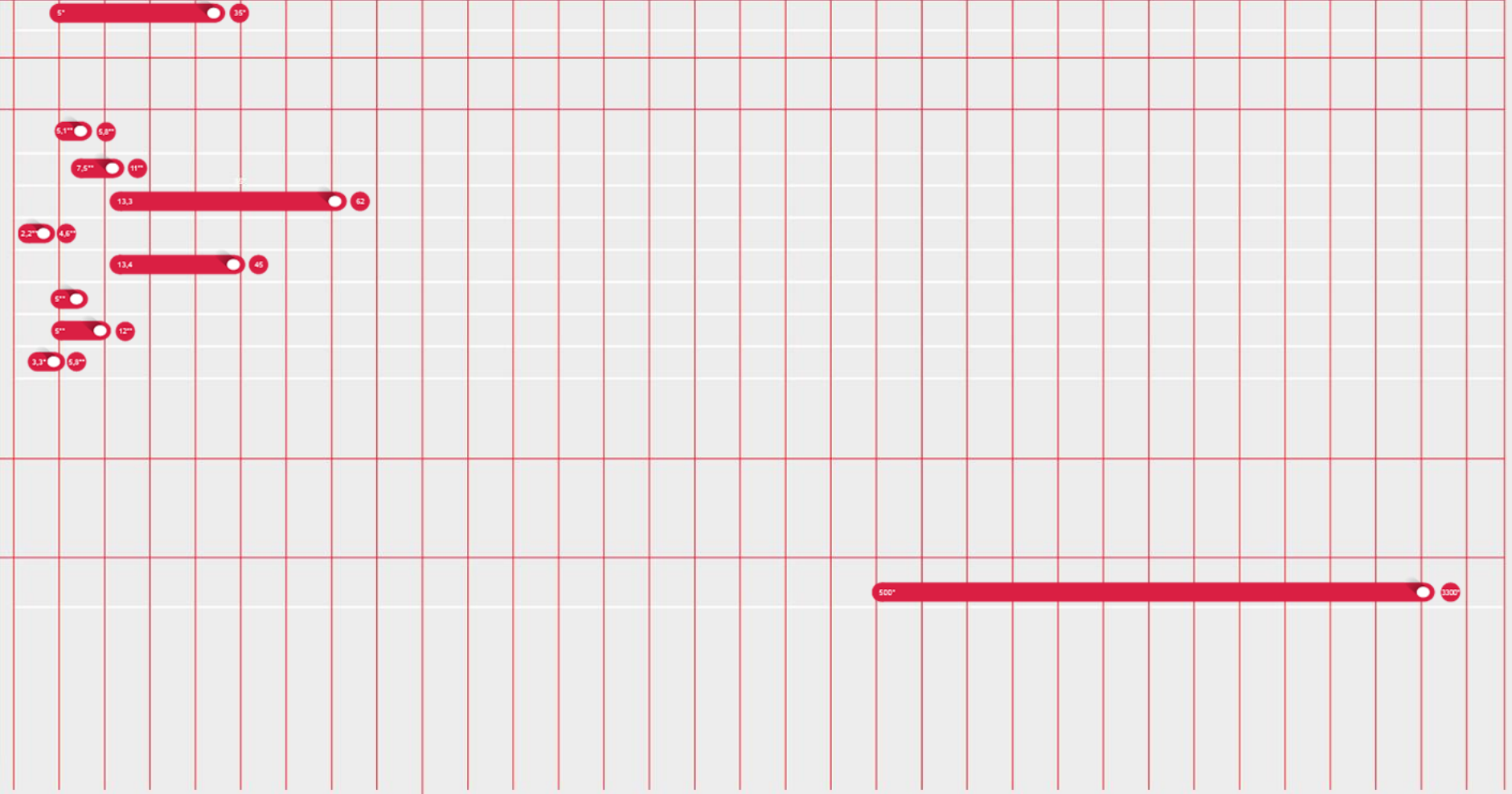
YTB5S SERIES

YTG SERIES

YDG Y12 SERIES

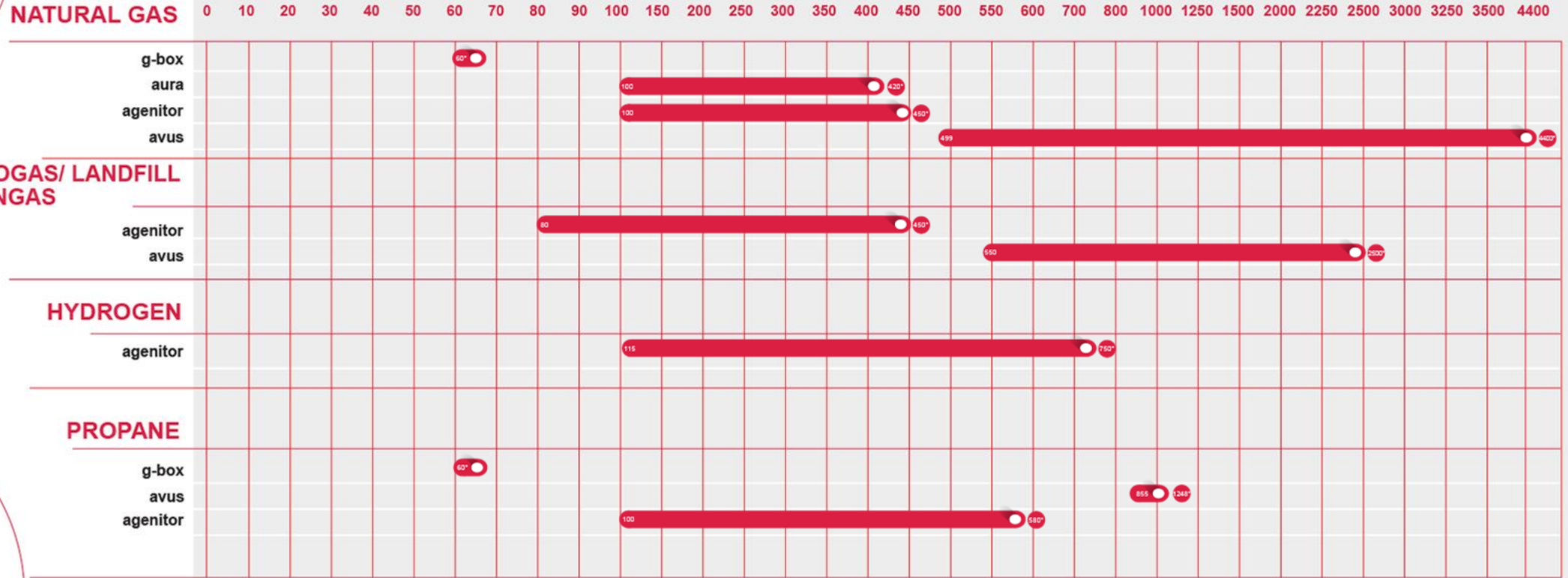
### MS DIESEL HFO

DUAL FUEL  
(DIESEL & HFO ) SERIES



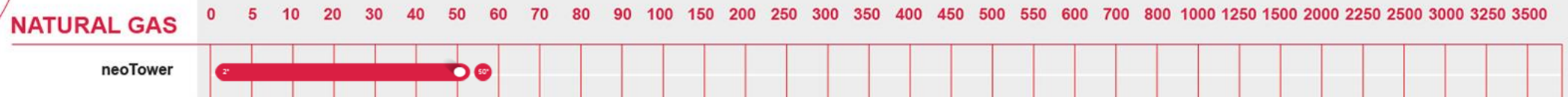
## 2G PRODUCTS

### Output Electrical (kW)



## RMB Products

### Power Modulation – Electrical [kWe]





**COMPLETED & ONGOING TURNKEY  
POWER EPC PROJECTS**



# HEALTHCARE

Given the sensitive nature of hospital environments, we work meticulously on our projects. At Yanmar, we offer special options for mission critical power in parallel power solutions, redundant start systems, generator set controls.

Power EPC Turnkey  
DL GENSETS

## SCOPE

25 x 2.250 kVA / 62,5 MVA  
Diesel Genset  
4 x 2,5 MWe + 1 x 2 MWe 12,5  
MWe Trigeneration System



Başakşehir Çam & Sakura Hospital,  
**TURKEY**

## SCOPE

6 x 2.250 kVA + 3 x 1.350 kVA  
17,5 MVA  
Diesel Generators  
2 x 2 MWe / 4 MWe  
Trigeneration System



Kütahya Hospital, **TURKEY**



International Airport, **ALGER**

### SCOPE

1 x 2030 kVA  
5 x 1030 kVA / 7,18 MVA  
Diesel Generator Sets



Malatya Airport, **TURKEY**

### SCOPE

5 x 2.541kVA  
15 x 200 kVA, 4 x 765 kVA  
3 x 160 kVA, 1 x 100 kVA  
Diesel Generator

Our generators are designed to meet the demanding requirements of your construction sites and are built to withstand the harshest working environments while being quiet, robust, safe and easy to use.

**Power EPC Turnkey  
DL GENSETS**



# POWER PLANTS

We add value to basic power solutions with our engineering, installation and maintenance services. Our supply can range from the sale of a single engine to a combined heat and power plant, a fully designed power plant or a hybrid or microgrid solution.

**Power EPC Turnkey  
DL GENSETS**



## SCOPE

3 Units 6EY22LW × 1 MW  
Hybrid Wind-Diesel  
Microgrid



RusHydro & Sakha Energo,  
NEDO, **RUSSIA**

## SCOPE

Scope:  
9 x 1.785 + 9 x 2200 kVA  
35.865 MVA  
Diesel Generator Set



Power Generation Plant, **ANGOLA**



Gold Mine, **ZIMBABWE**

## SCOPE

12 x 1 MWe Prime Diesel Generator,  
8 x Containerized 70 m<sup>3</sup> Fuel Tanks,  
Fuel Automation, Pump Stations  
Design and Installation Works



Steel Manufacturing, **GUINEA**

## SCOPE

12 x 2.250 kVA Diesel Generators,  
8 x 40 m<sup>3</sup> Fuel Tanks,  
Fuel Automation, MV Cells,  
Panels, Transformers

Our mining generators feature anti-vibration supports, sound insulation and external connection points with easy maintenance access for all serviceable fluids and consumables, all focused on safety for maintenance technicians.

# CRITICAL POWER

Places that provide mission-critical services, such as data centers, telecommunications centers, financial buildings, etc., need reliable power systems. At Yanmar, we design and manufacture diesel and gas generators to provide back-up power for mission-critical applications.



## SCOPE

9 x 1930 kW | 18 MW  
Gas Generator Sets



West Midlands, **UNITED KINGDOM**

## SCOPE

1 x 1900 kVA  
Diesel Generator



Palawan Airport, **PHILIPPINES**





Data Center Ali Baba Group,  
**CHINA**

**SCOPE**

12 x 2000 KW | 24 MW  
Diesel Generator Sets



Beijing Yongfeng Data Center,  
**CHINA**

**SCOPE**

5 x 3030 KVa 6 x 3100 Kva  
/ 30.650 KVa  
Diesel Generator Sets

As new applications such as 5G, cloud computing and video platforms drive demand, the data center market continues to grow strongly, and the availability of all these data centers becomes critical. At Yanmar, we provide backup generator solutions for mission-critical data centers.

To keep your business moving forward, we offer Power EPC solutions where we manage the production, transportation and storage of oil and gas.

**SCOPE**  
741 kVA  
Natural Gas Power Generator



Brua Project, **ROMANIA**

**SCOPE**  
5 x 975 kW | 5 MW (COP)  
Natural Gas Power Generator



Orellana Province, **ECUADOR**

Power EPC Turnkey  
DL GENSETS



HAVELSAN, **TURKEY**

**SCOPE**

54 kWm | 50 kWe  
Micro Cogeneration



Capacity Market, Midlands,  
**UNITED KINGDOM**

**SCOPE**

10 x 2000 kW | 20 MW  
Natural Gas Power Plant

The energy industry is undergoing radical change due to the sudden emergence of recent social and geopolitical factors (pandemics, war, inflation). At Yanmar, we are making even greater efforts to reduce both harmful emissions (NO<sub>x</sub>, SO<sub>x</sub>, CO, particulates) and global warming emissions (CO<sub>2</sub>, CH<sub>4</sub>, NO<sub>x</sub> and CO) in the projects we undertake.

**Power EPC Turnkey  
DL GENSETS**

# AGRICULTURE



With our extensive capabilities and proven experience, we provide project development, construction services and turnkey engineering solutions in the field of agriculture to support our clients' goals.

Power EPC Turnkey  
DL GENSETS

**SCOPE**  
2 x 35 kW / 70 kW<sub>e</sub>  
Micro Cogeneration



Harster Greenhouses, **CANADA**

**SCOPE**  
2 x 889 kW<sub>e</sub> / 2 x 891 kW<sub>th</sub>  
Trigeneration



Lemken, **GERMANY**





JBB Meat Company,  
**POLAND**

**SCOPE**  
8.6 MVA  
Diesel Generator Set



Salmon Farms,  
**NORTHERN NORWAY**

**SCOPE**  
920-2295 kVA Prime Power  
13 MW of Standby Power  
9 Generator Sets

We provide turnkey engineering solutions for all electrical, mechanical and instrumentation needs in the food and beverage industry to ensure continuous production.

**Power EPC Turnkey  
DL GENSETS**

# MANUFACTURING

Our Power EPC projects in the manufacturing sector range from plant expansions and upgrades to new brownfield or greenfield facilities. We work in partnership with our customers to deliver value-added and reliable solutions.

## SCOPE

1,200 x 5 kWe / 6 MWe  
Medium Speed HFO Power Plant



Clothing Factory, **BANGLADESH**

## SCOPE

2 x 889 kWe / 1,8 MWe  
Medium Speed HFO Power Plant



Semi Conductor Factory,  
**PHILIPPINES**



Water Treatment Plant,  
**ALGERIA**

**SCOPE**  
1660 kVA  
Diesel Generator



Guzelyurt Waste Water  
Treatment Plant, **TURKEY**

**SCOPE**  
4 x 25 kWe/100 KWe  
Micro Cogeneration System

We work tirelessly to provide optimal power solutions for every water treatment project, ensuring the power required for critical applications such as drinking water and wastewater treatment plants or desalination plants.





**YANMAR**

**THANK YOU FOR YOUR TIME**