



COMPANY PRESENTATION 2022

OVERVIEW

1. Baudouin
2. Weichai Company
3. Baudouin Marine
4. Weichai Marine
5. Baudouin & PSI Power Generation Engines
6. Supporting You Worldwide
7. Why do our customers choose us?



WE ARE BAUDOUIN

OUR VISION

We aim to be globally recognized for innovative power.

OUR MISSION

We are committed to providing advanced, flexible and dependable power solutions to drive our customers' success._

OUR VALUES

Commitment

We act with integrity to deliver maximum satisfaction to our customers and partners.

Responsibility

We are dedicated to delivering value to our company, our colleagues and our community.

Diversity

We promote effective communication to collaborate with our diverse team. We foster an inclusive working environment to maximize innovation, teamwork and creativity.



BAUDOUIN FRANCE

HQ: CASSIS, FRANCE

30 Minutes from Marseille.



20 000m² Facilities



100 M Turnover



210 Employees



90% Exports



Diesel, Gas Engines
Marine & PowerKit



ISO 9001: 2015



R&D European Headquarters

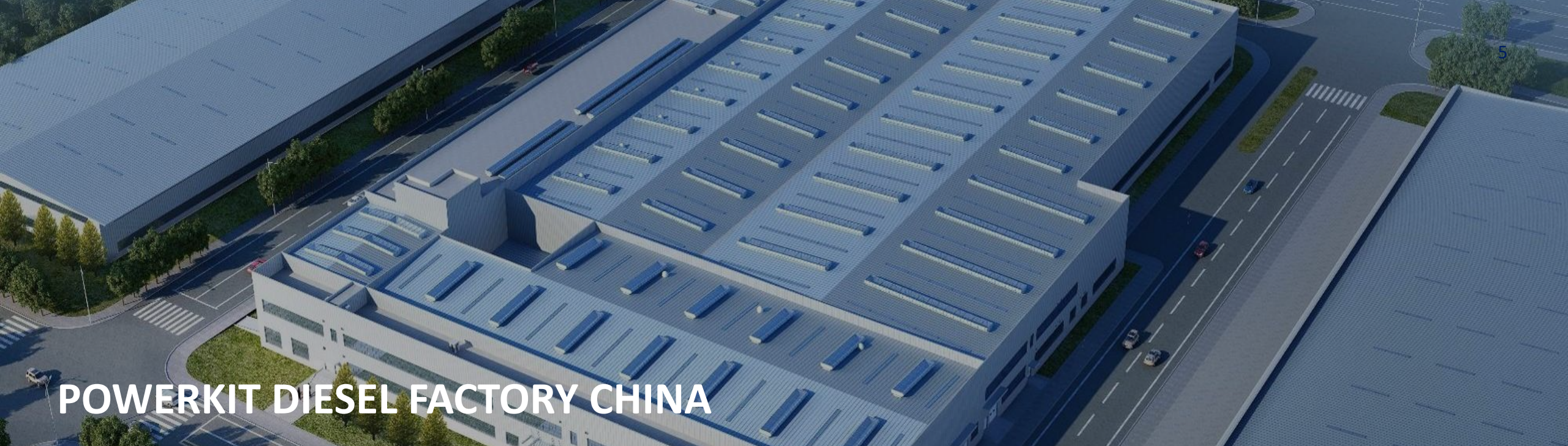


Complete Propulsion Systems



Product Tailoring





POWERKIT DIESEL FACTORY CHINA



32 000m² Facilities



Diesel Engines



+10 000 engines/year



ISO 14001: 2015



\$ 150M Turnover



266 Employees



ISO 9001: 2015



OHSAS 18001:2007



POWERKIT GAS FACTORY CHINA



50 000m² Facilities
4 lines of production



128 Employees



987 M\$ Turnover



80K engines/year



Gas Engines - Lean Burn & Rich Burn



BSI Certificate



A wide-angle photograph of a modern, two-story building with a large glass facade. The building is surrounded by lush greenery, including trees and manicured hedges. Several flagpoles with flags are visible in front of the building. The sky is clear and blue.

SHANDONG HEAVY INDUSTRY GROUP INDIA



21 853m² Facilities



Diesel Power Generation Engines | Automotive engines | Marine Engines | Construction & Agriculture Equipment | Powertrain solutions



200 Employees



ISO 9001: 2008



Supporting customers in India



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WEICHAI AT A GLANCE



43 Billion USD Revenue (2021)



2500 Engineers in HQ



100 000 Employees Worldwide



+34% CAGR (Past 21 years)



1.000.000 Engines sold (2021)



200 Test cells



WEICHAI KEY BUSINESS AREAS

POWERTRAINS

Hydraulic Systems
Transmissions
Engines / Axles



COMMERCIAL VEHICLES

HD Trucks / Buses / LD Vehicles
Special Vehicles



CONSTRUCTION MACHINERY

Bulldozers / Excavators / Loaders



INTELLIGENT LOGISTICS

Intelligent Logistics Solutions
Forklifts
Baoli, Dematic, OM, Voltas



LUXURY YACHTS

Ferretti Yachts / Custom Line / Pershing / Wally
CRN / Riva / Mochi Craft / Itama / FSD



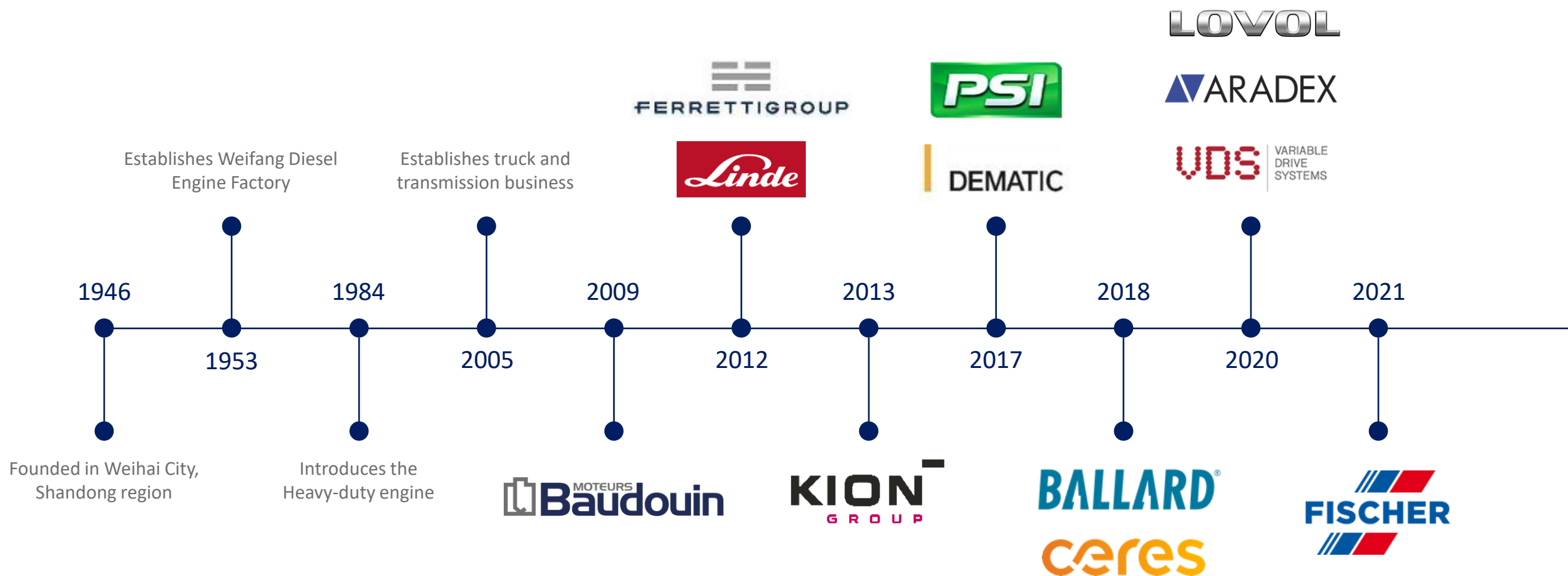
NEW ENERGIES

Batteries / Fuel cells
Converters / Inverters
Electric Drive Motors
Hybrid Drives

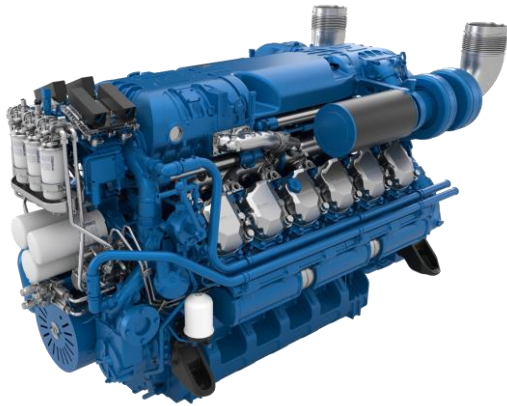


WEICHAI HISTORY

11



WHAT WE DO

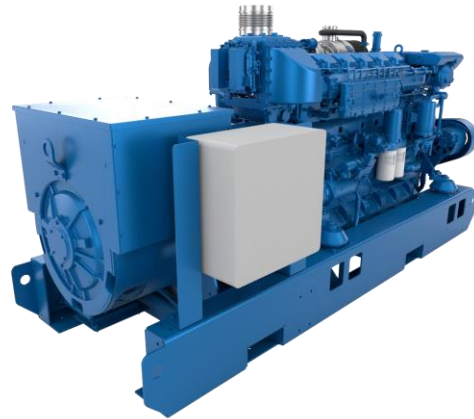


MARINE PROPULSION ENGINES

Diesel

95-1215kW | 4.5-39L

Continuous duty to light duty commercial applications.



MARINE GENSETS & AUXILIARY ENGINES

Diesel

95-1195kW | 4.5-32L

ESP, PRP & LTP at 50 & 60 Hz.

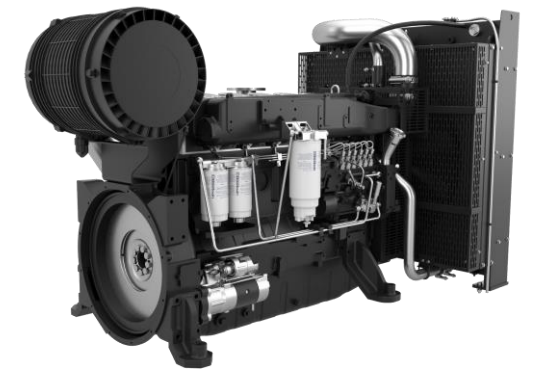


POWER GENERATION ENGINES

Diesel | Rich & lean burn gas

18-4125kVA | 2.4-88L

ESP, PRP, COP & DCP at 50 & 60 Hz.



VARIABLE SPEED ENGINES

Diesel

20-370kW | 2.4-13L

Industrial, Fire & Agricultural Applications.



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BAUDOUIN MARINE

PROPULSION ENGINES

GENSETS

AUXILIARY ENGINES

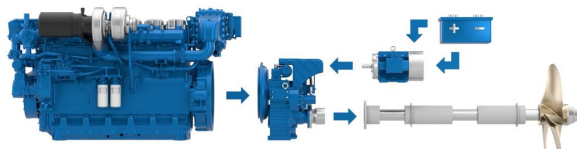
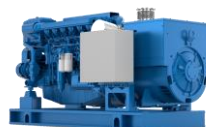
HYBRID SOLUTIONS

EMISSIONS SOLUTIONS

GEARBOXES

CONTROLS & MONITORING SYSTEMS

THROTTLES

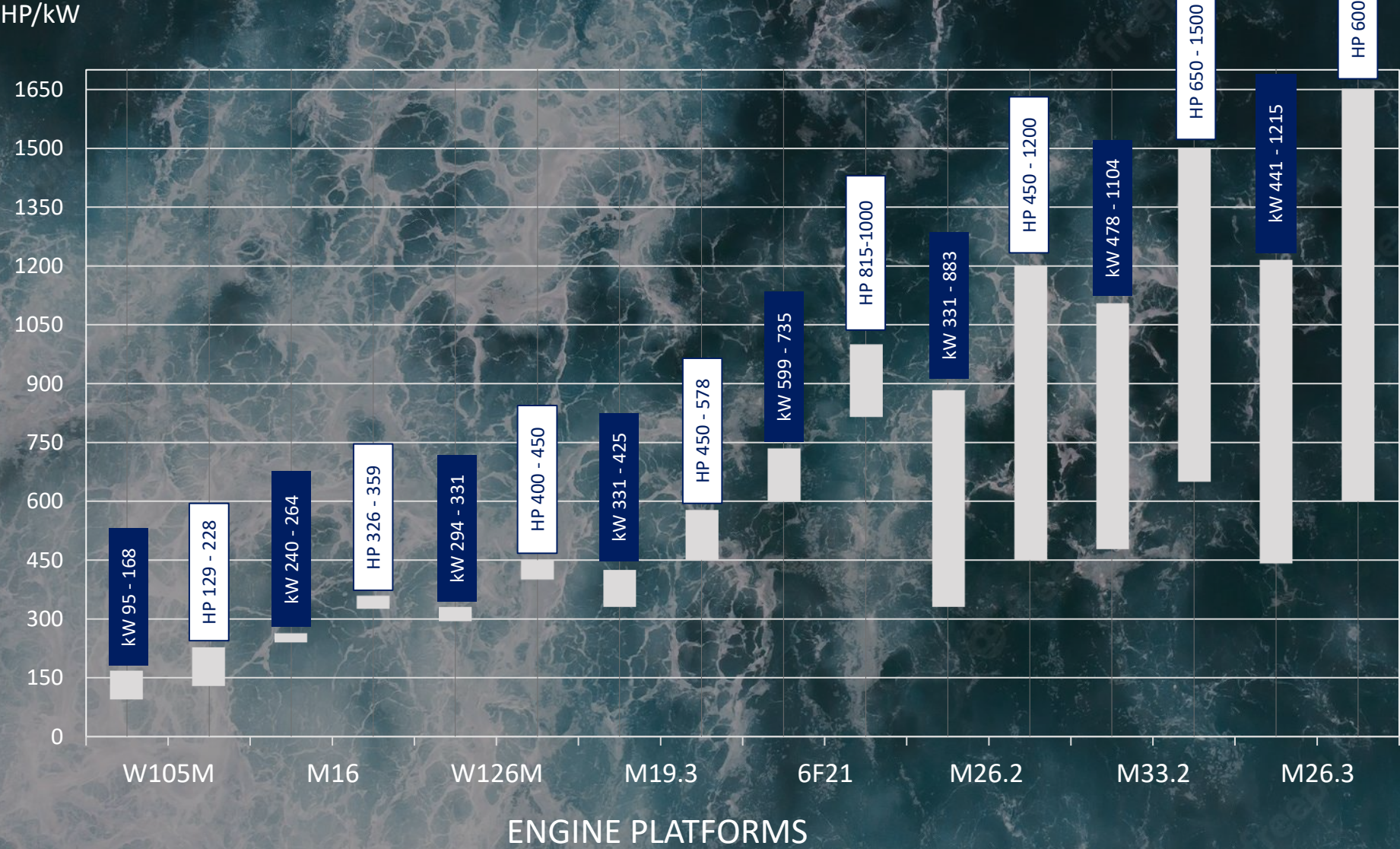


TRUSTED TECHNOLOGY AND PERFORMANCE

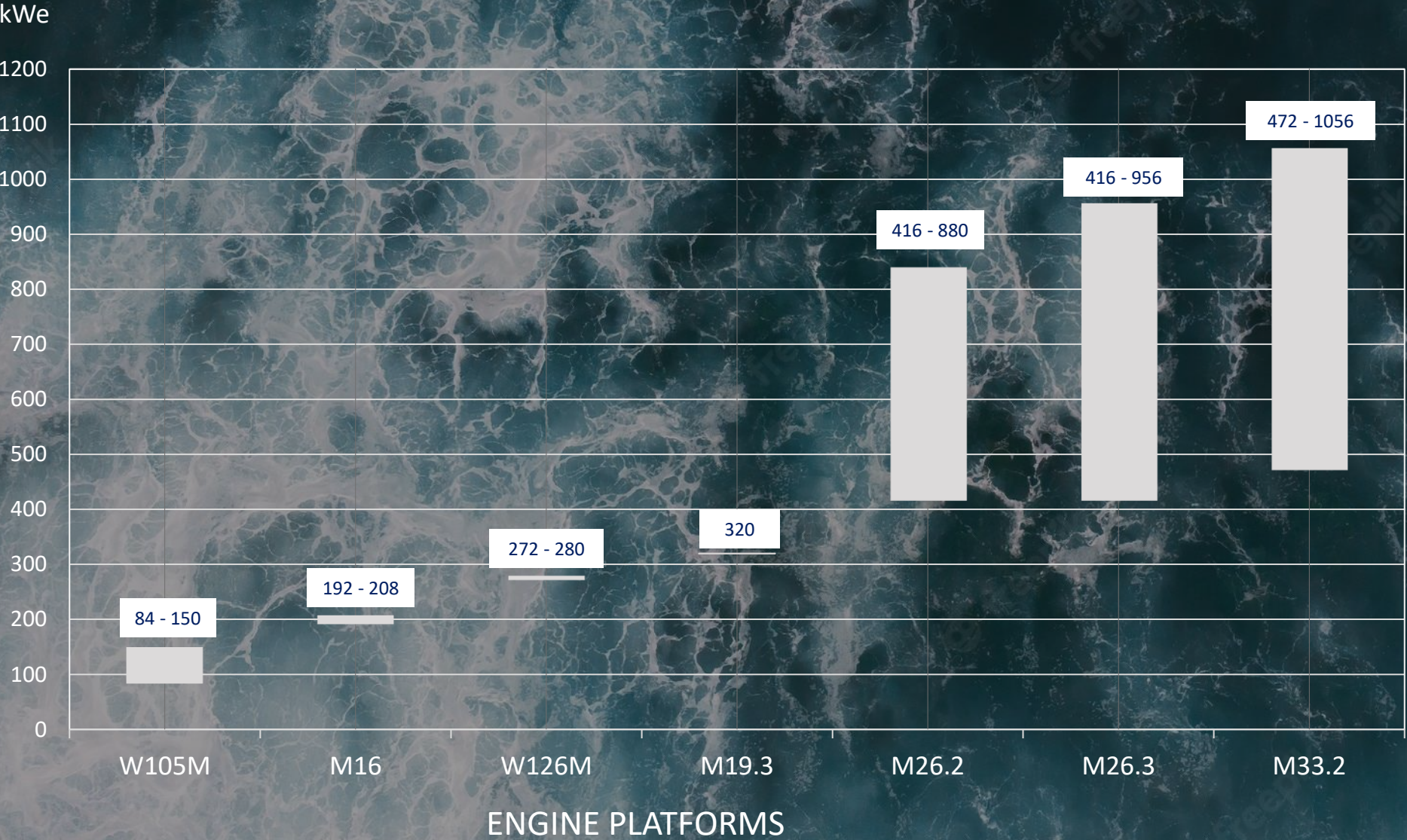
- COMPREHENSIVE RANGE OF MARINE OPTIONS
- DESIGNED FOR EASY MAINTENANCE
- LOW FUEL CONSUMPTION
- EXTENDED MEAN TIME BETWEEN OVERHAUL
- TRUE MARINE DESIGN
- LOW TCO



MARINE PROPULSION HP / kW



MARINE GENSETS & AUXILIARY ENGINES kWe



MEET THE SMALLEST SCR SYSTEM AVAILABLE IN THE MARKET

BAUDOUIN SCR ADVANTAGES

- Up to 2% reduction in average fuel consumption
- Compatible with all boat designs
- Up to 25 dB noise reduction
- High degree of installation flexibility
- Solution fully integrated with engine design

VIRGIN ISLANDS

12M26.3 + SCR
2 x 12M26.3 + SCR P2
1104kW / 2100rpm IMO III



WATCH THE VIDEO



12M26.3



6M26.3

NEW YORK CITY FERRY

12M26.3 + SCR
Operated by HornBlower





A Complete Hybrid System Supplier

Marine experts: Marine has been in our DNA for over a century. Our hybrid solutions are designed for marine needs, and we are committed to supporting our partners' challenges for a greener world. From the idea to the realization, our R&D team is dedicated to partnering with you in your marine hybrid projects.

Energy audit: Baudouin has the ability to analyze the operational environment, vessel requirements, and load profiles to define a bespoke system that is tailor-made to be the most efficient solution for your vessel's needs.

Global service support: Baudouin has factory-trained technicians to support you in over 100 countries. Everywhere you operate, you can rely on a trusted Baudouin partner to assist you with your hybrid engine solution: Find your closest distributor.

Genuine spare parts available everywhere: Baudouin genuine spare parts are available wherever you are in the world. We can ship over 30,000 spare parts references within 24 hours: Find your closest distributor.

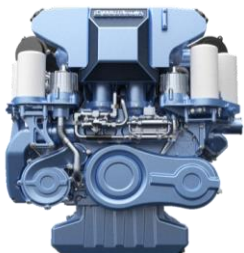
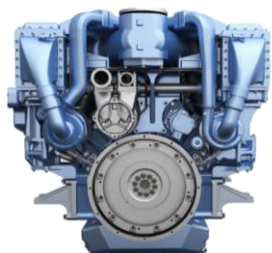
SEE THE ALCATRAZ REFERENCE



THE FUTURE OF BAUDOUIN MARINE

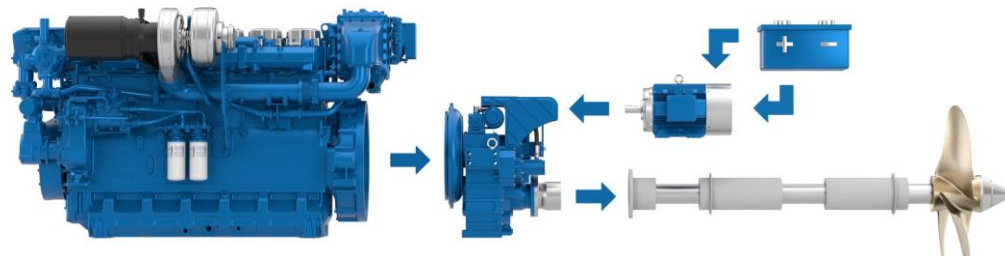
8F21

- ✓ Best in class 17L engine
- ✓ Compact & light with very high-power density
- ✓ Extreme durability
- ✓ P1 to P5 duty classes
- ✓ Yachting, military, patrol, light duty ships, commercial



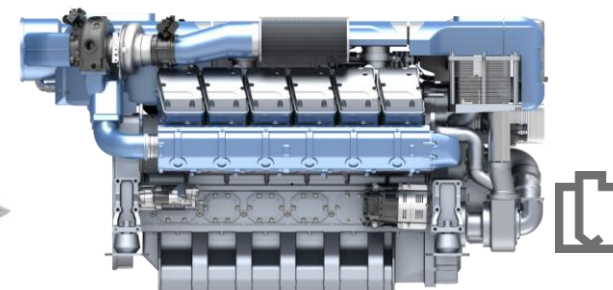
HYBRID SOLUTIONS

Baudouin is supporting customers to develop hybrid solutions for their vessels



F30 SERIES

F30 Series will be the most powerful high-speed marine engine available worldwide upon its release



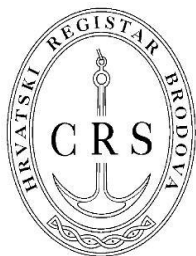
ALL MAJOR GLOBAL CERTIFICATIONS AVAILABLE



TL



RMRS



CRS



RRR



BKI



ABS



RINA



BV



CCS



DNV-GL



IRS



VR



LR



NKK



MARINE REFERENCES



TURKEY

SHARK & GARP

- Applications: Tugboat
- Engines: 2 x 12M26.2



USA

NEW YORK CITY FERRIES x 27 Vessels

- Application: Passenger
- Engines: 12M26.3+SCR & 6M26.3
- Certification: EPA 4 / EPA 3



UAE

COAST GUARD

- Application: Military
- Engines: 12M26



FRANCE

ESPIRITU SANTO

- Application: Yacht
- Engine: 2 x 12M26



MARINE REFERENCES

22



CANADA
FUNDY HUNTER

- Applications: Fishing
- Engines: 1 x 6W126M



KSA
45 VESSELS OPERATING

- Application: Fishing
- Engines: 6M16



CHILE
EIR

- Application: WELL BOAT
- Engines: 4 x 12M26.2



USA
ALCATRAZ CLIPPER

- Application: Passenger
- Engine: 8x 6M26.3 Hybrid



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WEICHAI

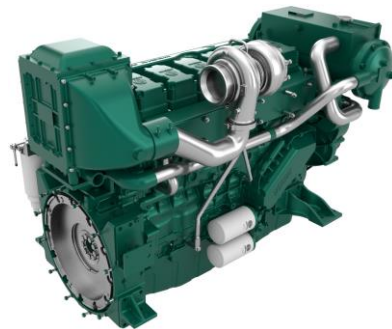
ACROSSEUROPE

Excellent value propulsion engines and marine gensets.
Robust solutions ideal for heavy duty applications.
Available now from your trusted Baudouin partners across Europe.



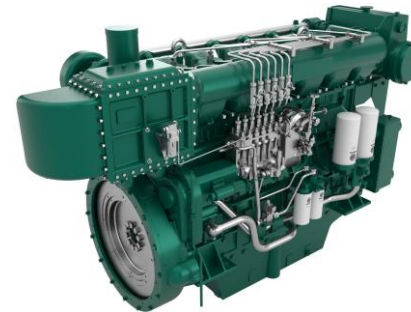
WP7

kW: 220
HP: 300
RPM: 2200



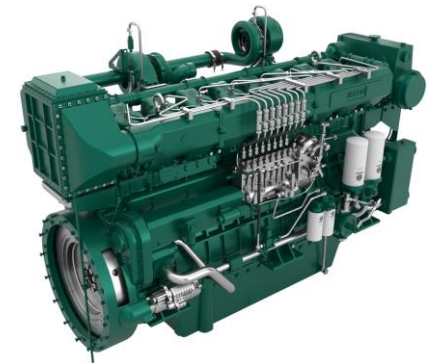
WP13

kW: 295/368
HP: 400/500
RPM: 1800/2100



6170

kW: 330/601
HP: 450/818
RPM: 1200/1500



8170

kW: 530/735
HP: 720/1000
RPM: 1200/1500



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COP / PRP / ESP: THE HEART OF POWERKIT

25

THE POWERKIT DIESEL ESP /COP / PRP ENGINES DELIVER 14 PLATFORMS PRODUCING 18 – 4125 KVA IN 50 & 60 HZ.

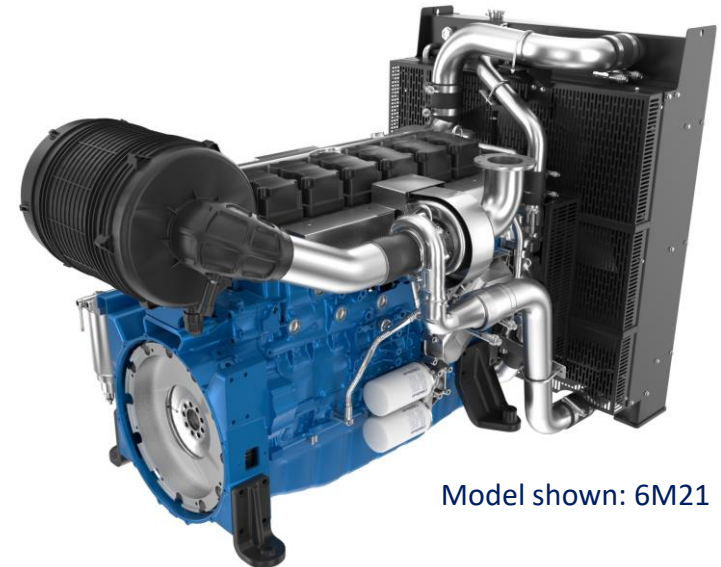
CUSTOMER BENEFITS

Best-in-class standard warranty: PRP 2 years, unlimited hours / ESP 4 years, 800 hours.

Multiple options available including a Telecom design to optimize service intervals.

Dual speed available for more flexibility and optimized inventory (50/60Hz).

Emissions optimized versions available.



Model shown: 6M21



DCP: CRITICAL POWER

BAUDOUIN POWERKIT DCP IS THE SOLUTION OF CHOICE FOR DATA CRITICAL BACKUP POWER.

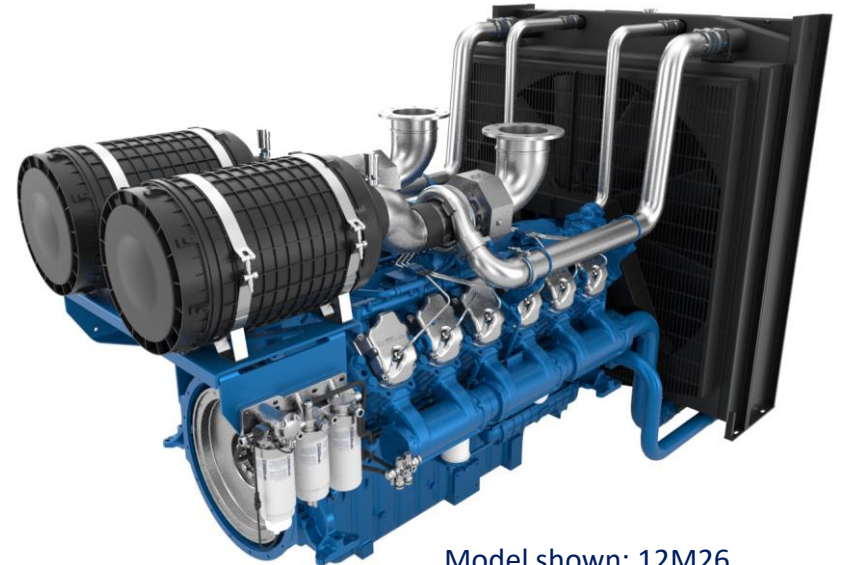
CUSTOMER BENEFITS

Comprehensive product line to meet a wide range of data center requirements.

Robust and reliable for secure power provision.

Dual starter options for increased redundancy.

High transient and block load capabilities.



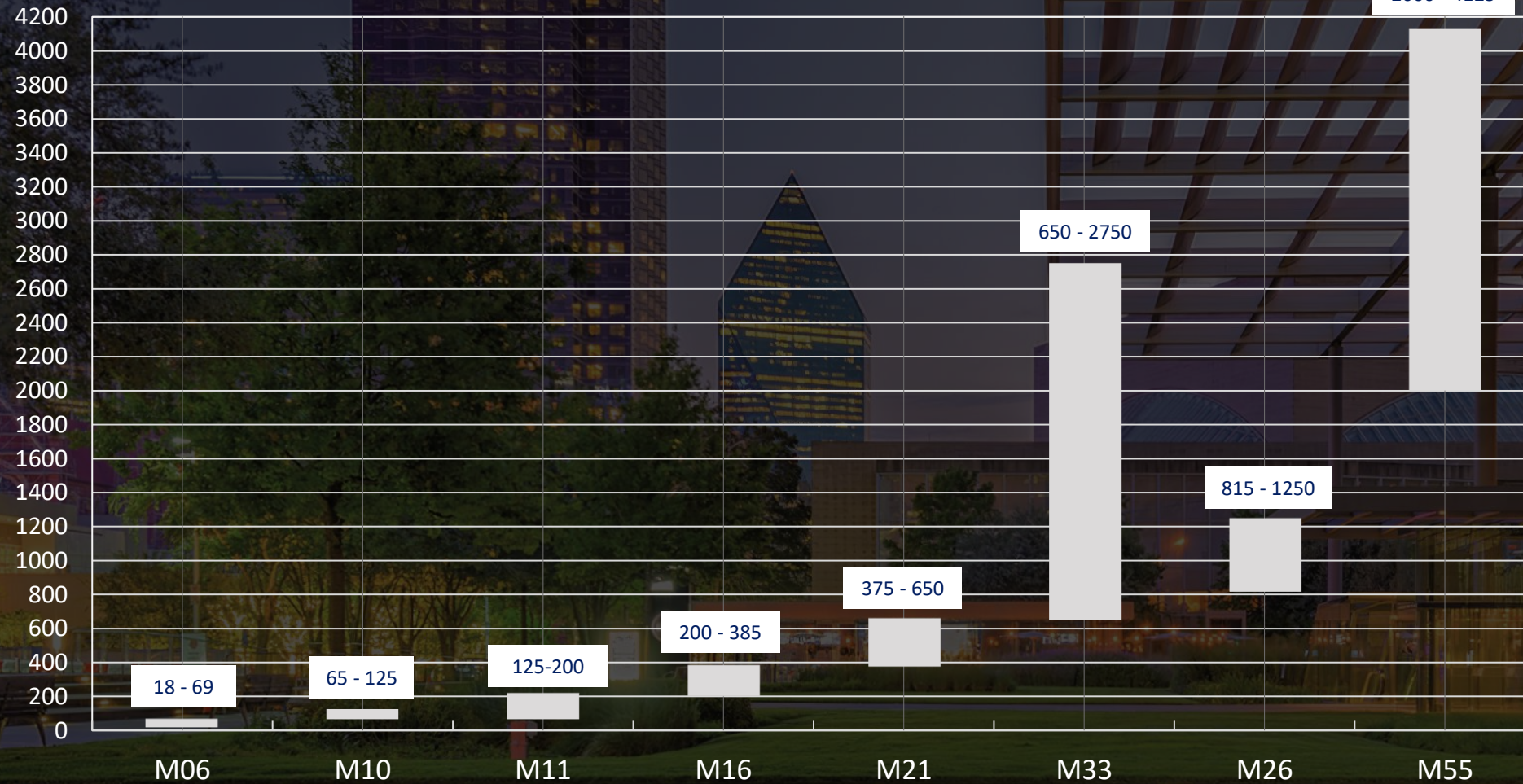
Model shown: 12M26



POWERKIT DIESEL RANGE 50-60Hz

23

kVA



ENGINE PLATFORMS

COP / PRP: POWERKIT LEAN BURN GAS

POWERKIT GAS ENGINES ARE DESIGNED TO MEET THE CHALLENGES OF EFFICIENT POWER, TCO AND LOW EMISSIONS.

CUSTOMER BENEFITS

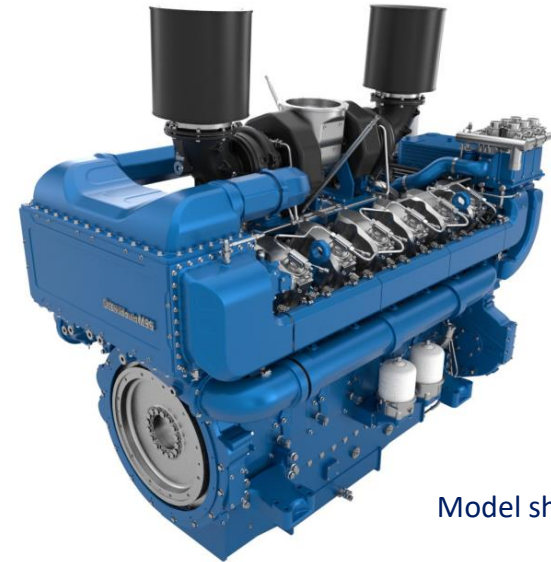
Low NOx emissions.

High transient and block load capabilities.

Flexible duty cycle, for COP and PRP.

Low energy fuel tolerance (landfill gas & biogas).

Optimized engine performance through electronic control systems.



Model shown: 12M55



POWERKIT GAS RANGE 50-60Hz

kVA

1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0

1400 – up to 1750

400 - 1400

255 - 300

163 - 225

63 - 125

M11

M16

M21

M33

M55

ENGINE PLATFORMS

MARKET LEADING PSI RICH BURN GAS

BAUDOUIN IS THE AUTHORIZED DISTRIBUTOR FOR PSI IN EMEA

CUSTOMER BENEFITS

Switchable engine from 60-50Hz

Dual fuel capability (natural Gas – LPG)

Fully automated fuel control

Using the ACES technology, capable to operate on Flare Gas

Proven quality and performance with over 3 million hours running on well head gas

EPA, CARB and Euro Stage V Certified Engines available

Lower emission levels with a single after treatment solution

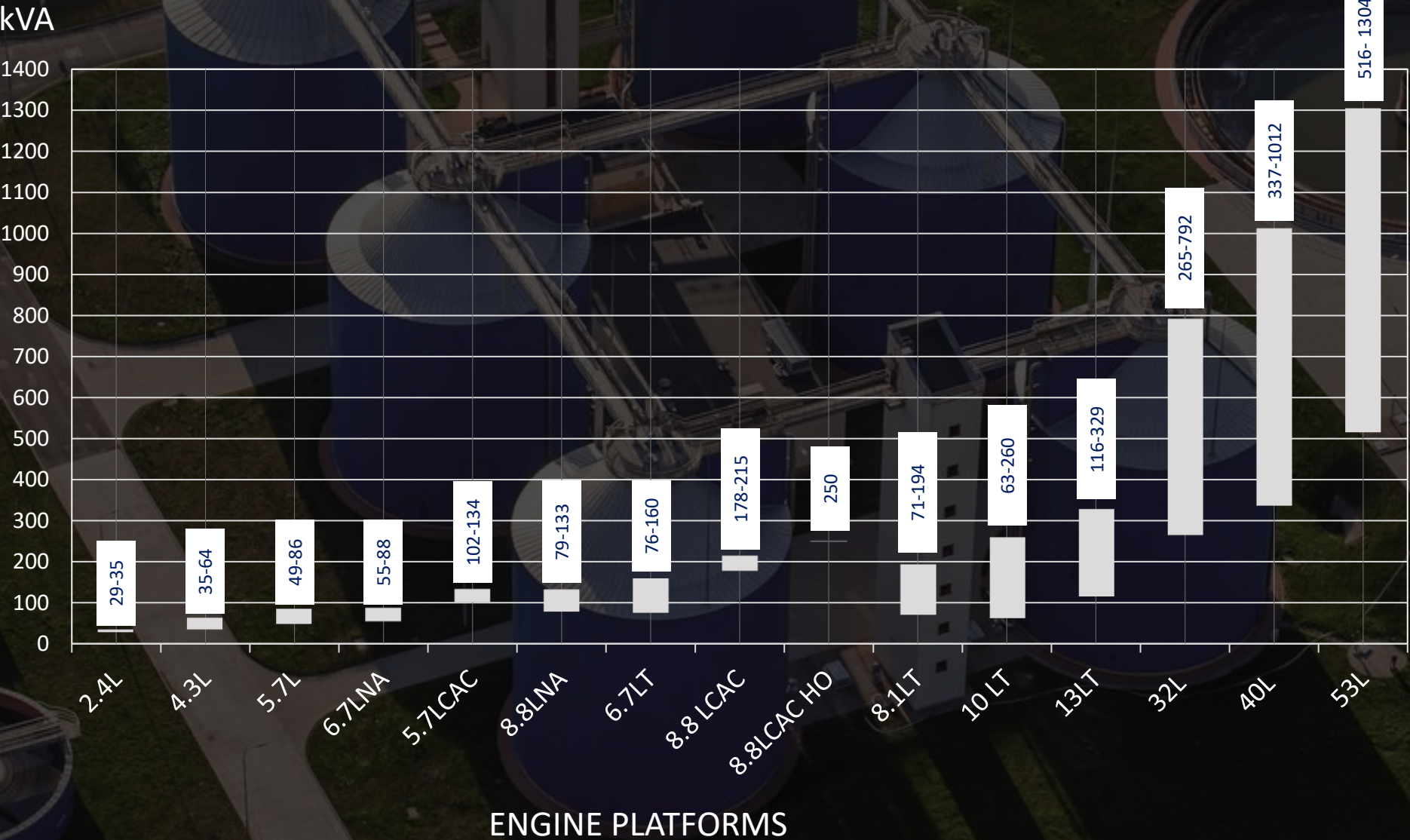
Higher flexibility regarding transient loads and ambient conditions



Model shown: 8.8L



PSI RICH BURN GAS ENGINE



POWERKIT VS: VARIABLE SPEED ENGINES

33

THE POWERKIT VS RANGE OFFERS 5 VARIABLE SPEED ENGINE PLATFORMS COVERING 30-370kW.

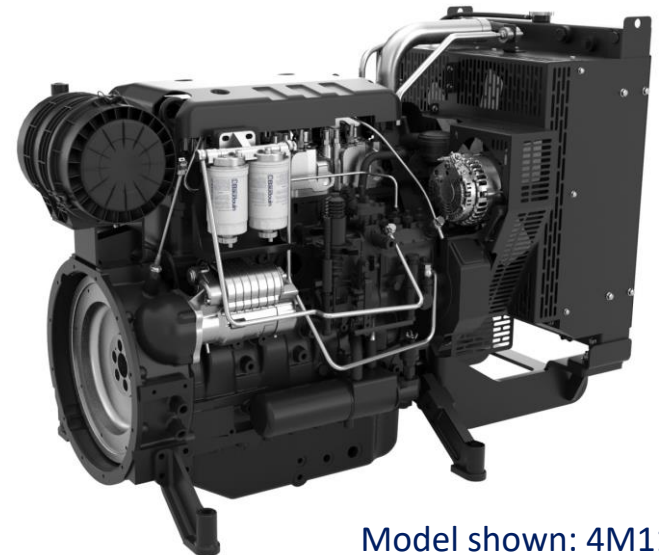
CUSTOMER BENEFITS

1500-2200 RPM Operating range.

Mechanical fuel injection for easy servicing.

High tolerance to varying fuel quality.

Best-in-class warranty:
2 years / 2500 working hours



Model shown: 4M11



POWERKIT VS RANGE 50-60Hz



ESP / PRP / COP REFERENCES

35



MALTA
MUNICIPAL BUILDING

- 2 x 12M33G1400/5
- Duty: ESP



SOUTH AFRICA
PRIVATE SCHOOL

- Engines: 6 X 6M16G220/5 & 2 x 6M16G350
- Duty: ESP



FRANCE
HOTEL

- Engines: 6M16G250
- Duty: ESP



SPAIN
TUNNEL

- Engines: 2 x 12M33G1400/5
- Duty: ESP



DATA CENTER REFERENCES (DCP)



SPAIN

CAMPUS DATA CENTER

- Engines: 2 x 12M26G1100
- Duty: ESP



TURKEY

TURKCELL GEBZE - TURKEY'S
LARGEST DATA CENTER

- Engines: 2 X 12M33G1400/5
- Duty: ESP



SWITZERLAND

CAMPUS DATA CENTER

- 16M33
- Federal Institute of Technology in
Lausanne
- Duty: ESP



ITALY

DATA CENTER

- Engines: 2x 12M26G1100
- Application: Data Center
- Duty: ESP



THE FUTURE OF BAUDOUIN POWERKIT



ONGOING CONTINUOUS IMPROVEMENTS

- Power density
- Ratings expansion
- Competitive position improvements
- Project-related customer options
- Extension of service intervals

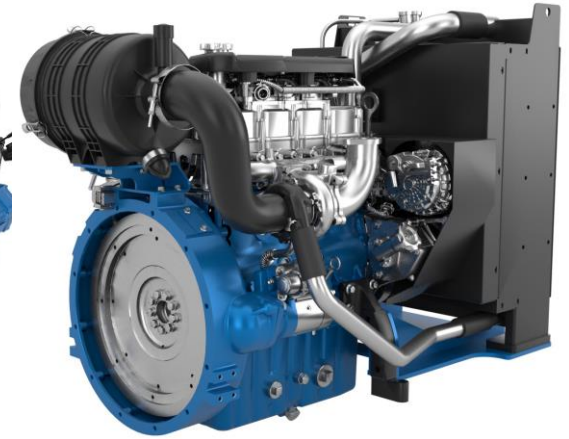
BIG DATA & AI

- Real time remote monitoring
- Diagnostic tool improvements
- Predictive maintenance



GAS RANGE EXTENSION

- 66L V12 Lean Burn
- 66L V20 Rich Burn
- Ratings expansion



REGULATED EMISSIONS

- Emissions certified engines for global markets



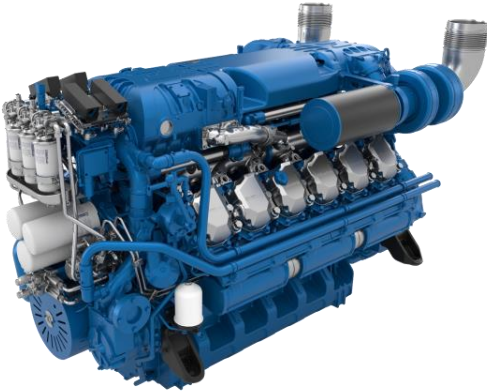
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MARKET LEADING WARRANTIES

MARINE



1YEAR

STANDARD

3YEARS

EXTENDED

POWERKIT DIESEL



1YEAR

COP UNLIMITED HOURS

3YEARS

PRP UNLIMITED HOURS

4YEARS

ESP 800 HOURS

POWERKIT GAS



1YEAR

PRP/COP UNLIMITED HOURS

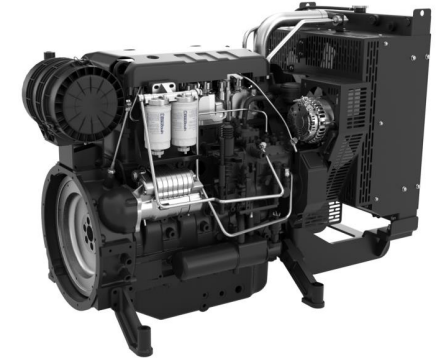
3YEARS

PRP UNLIMITED HOURS

4YEARS

ESP 800 HOURS

POWERKIT VS



2YEARS

2500 HOURS

TRULY GLOBAL SERVICE & SUPPORT

 **MOTEURS**
Baudouin



OVER 300 SALES & SERVICES POINTS,
COVERING OVER 100 COUNTRIES



FACTORY TRAINED TECHNICIANS, SPEAKING
YOUR LANGUAGE AND UNDERSTANDING
YOUR ENVIRONMENT



BAUDOUIN GENUINE SPARE PARTS | IT'S ALL ABOUT THE LONG TERM

12 MONTH WARRANTY STANDARD



All Baudouin genuine spare parts are guaranteed for 12 months as standard. We are so confident in the quality of our parts that we are able to offer this market-leading warranty.

SHIPS EVERYWHERE IN 24 HOURS



Genuine Spare Parts are available from stock wherever you are in the world. We can ship over 30,000 spare parts references within 24 hours.

OUT-PERFORM COUNTERFEIT PARTS EVERY TIME



We use only the highest quality components from market leading manufacturers ensuring you continue to get the maximum performance from your engines.

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WHY DO OUR CUSTOMERS CHOOSE US?

PRODUCTS & DEVELOPMENT

- Engine Specialist since 1918
- Emissions & certifications
- Marine product tailoring and systems
- Wide power range available for power gen
- Diverse product offering including gas & variable speed engines
- Quality products with leading total cost of ownership



MANUFACTURING

- Extensive global production capacity
- State of the art production facilities
- Flexibility & customization
- Large availability of stock engines
- Made in Europe certificate of origin

SERVICE & CUSTOMER SUPPORT

- Multilingual factory support
- Global service & spare parts coverage
- Application engineering & Installation support
- Marketing partnership programs
- Multilingual service training programs
- Leading warranty terms



THANK YOU