Industrial Motors

Commercial & Appliance Motors

Automation

Digital & Systems

Energy

Transmission & Distribution

Coatings

Solutions for Oil & Gas Industry

We can help you with specially designed solutions, and **manufacturing closer than you can imagine.**

Driving efficiency and sustainability

WEG

AROUND THE WORLD

At WEG you'll find a full range of low voltage and medium voltage electric motors, generators, variable speed drives, soft-starters, PLCs, switch and controlgear, transformers and industrial paints specifically designed for the Oil & Gas Industry. In addition to supplying state-of-the-art products, WEG has the expertise to serve your company with technical support and prompt service all over the world.

WEG serves the Oil & Gas industry globally

WEG is a globally-recognized supplier of premium electric products for the industry. Our global structure allows us to be closer to our Oil & Gas customers. Over 37 subsidiaries established in key countries are prepared to provide you with technical and commercial support; our manufacturing plants strategically located in the main markets can serve you with short deliveries; and our network of over 1,400 Authorized Service Agents located in the five continents are fully equipped to give you prompt after sales and service support.

AUSTRIA

1 manufacturing site

52 MANUFACTURING SITES in 15 countries

+40,000
Employees worldwide

Distributors/ Agents in
120 countries

Sales to over
135 countries

CHINA

4 manufacturing sites

INDIA

2 manufacturing site

TURKEY

1 manufacturing site

SOUTH AFRICA

4 manufacturing sites

Marine approvals

CCS	BV	GL	RINa	NKK	DNV	KR	RMRS	LRS	ABS
China	France	Germany	Italy	Japan	Norway	South Korea	Russia	UK	USA

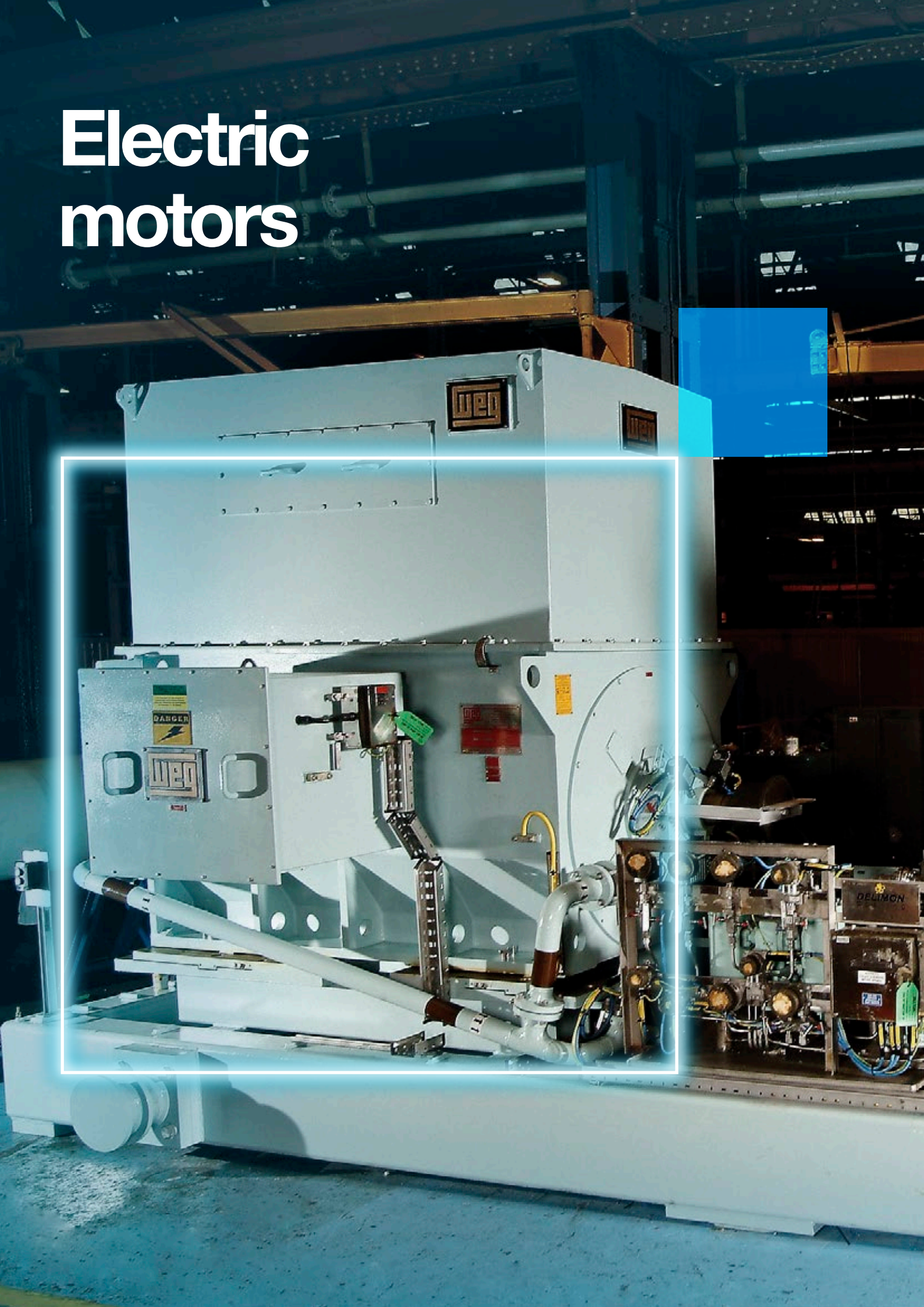
WEG at a Glance

Manufacturing plants in **15 countries**

R$ 29,9 billion
yearly turnover (2022)

Over **40k** employees

Electric motors



Efficiency and reliability for the industry

Manufacturing state-of-the-art LV & MV electric motors is what WEG has been doing since its foundation. Regardless of the market segment, the company continues to dedicate extensive resources and effort in order to produce long-lasting electric motors so as to ensure reliability of production for your industry. Special attention has been given to the design of suitable motors for the Oil & Gas Industry in various parts of the world. This is what sets WEG apart as the manufacturer of industrial motors compliant with the most demanding Oil & Gas application requirements. Flexible mechanical design associated with high operational reliability make our motors easy to be installed with extremely low downtime and service maintenance.

Our team of engineers has conducted extensive technical research to produce suitable products complying with the most respected industry standards such as API 541, API 546, API 547 and IEEE 841, according to both NEMA or IEC.
The WEG motors can meet the type of protection Ex-p, Ex-ec, Ex-eb and Ex-d, protection or as protection for Class I, division 2 or class II, division 1 and 2.

Electric motors

W22

LV / MV General Purpose TEFC Motors

Output: up to 560 kW
Voltage: up to 6,600 V

Note: NEMA or IEC designs

W22Xec

LV Increased Safety TEFC Motors

Output: up to 500 kW
Voltage: up to 1,000 V

Note: NEMA or IEC designs

W22Xdb

LV Explosion Proof TEFC Motors

Output: up to 1,400 kW
Voltage: up to 1,100 V

Note: NEMA or IEC designs

W22Xdb

MV Explosion Proof TEFC Motors

Output: up to 1,600 kW
Voltage: up to 11,000 V

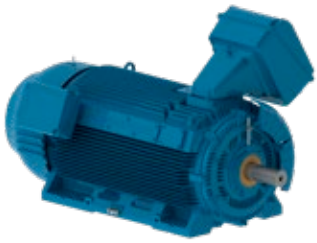
Note: NEMA or IEC designs

W22Xdb

MV Explosion Proof Motors

Output: up to 4,500 kW
Voltage: up to 11,000 V

Note: NEMA or IEC designs



W51 HD

LV / MV General Purpose TEFC Motors
LV / MV Increased Safety TEFC Motors

Output: up to 1,400 kW
Voltage: up to 11,000 V

Note: NEMA or IEC designs

TGA & MGV Lines

High Torque Motors for Drilling

Output: up to 1,120 kW
Voltage: up to 690 V
Cooling: by ducts or blower

Note: NEMA or IEC designs

WGM20

LV / MV General Purpose Water Jacket Cooled Motors

Output: up to 2,800 kW
Voltage: up to 4,160 V

Note: NEMA or IEC designs

W60/Master Line

MV General Purpose Motors
MV Increased Safety Motors
MV Pressurized Motors

Output: up to 50,000 kW
Voltage: up to 14,400 V
Cooling: open, air or water cooled

Note: NEMA or IEC designs

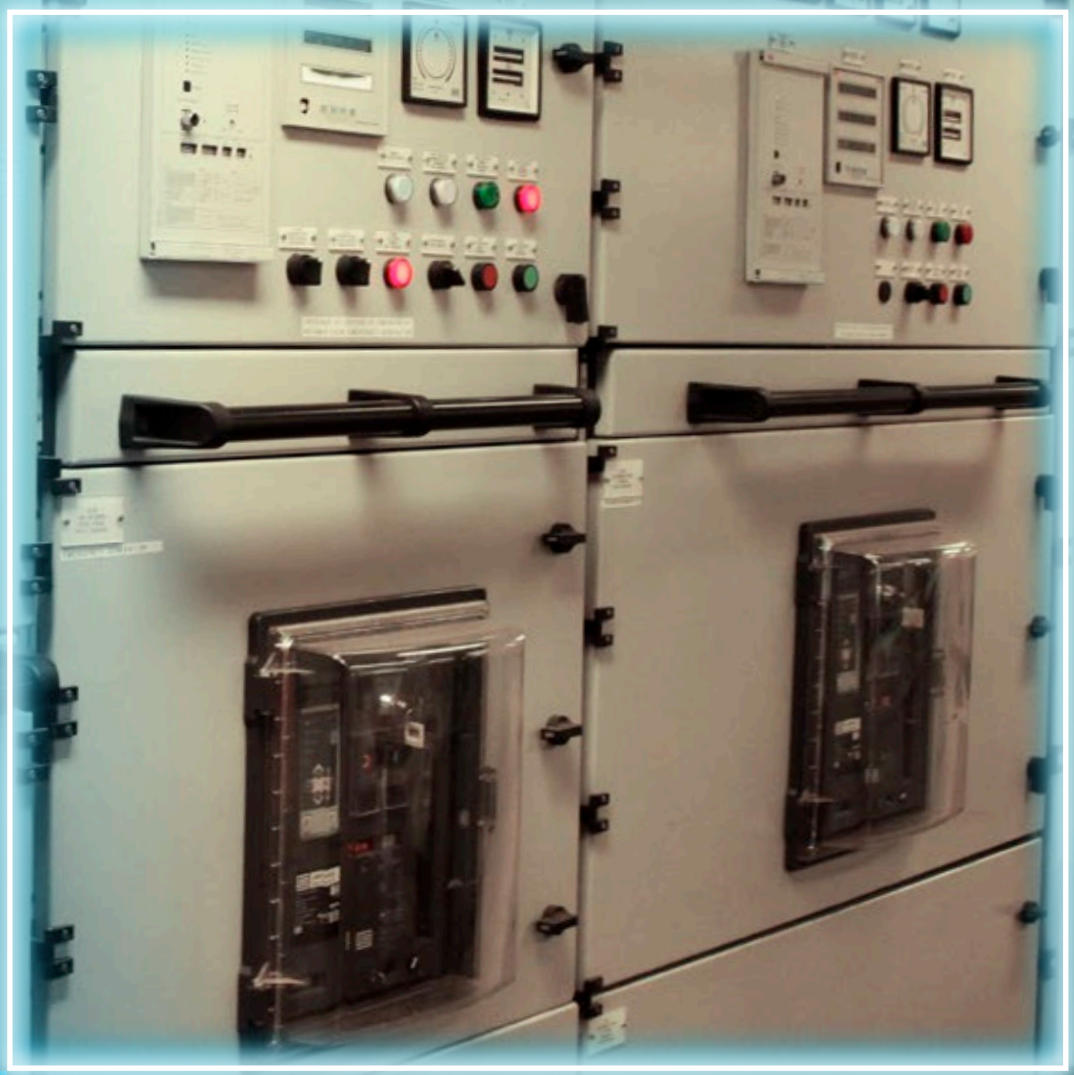
Synchronous Motors

MV General Purpose Motors
MV Pressurized Motors

Output: up to 110,000 kW
Voltage: up to 14,400 V
Cooling: open, air or water cooled

Note: NEMA or IEC designs

Automation technologies



Industrial systems enhancing productivity

Advanced built-in technology for speed variation; compact solutions for short-circuit protection and overload conditions; high short-circuit breaking capacity; reliability and precision on monitoring, operation and protection of electric motors; wide range of accessories and global Certifications.
These are some of the features and benefits offered by WEG.
Counting on a team of senior engineers with extensive market and design experience, the company enjoys a confortable position as a manufacturer and supplier of variable speed drives, soft-starters, motor control centers, motor starters, motor circuit breakers and an extensive series of motor control and protection products for the Oil & Gas applications.

MTW

MV Switchgear

Developed for the various market segments, WEG electric panels meet the highest quality and performance requirements, being designed with a high standardization rate. They offer simple assembly, installation, maintenance, future expansions and interchangeability. The products are factory assembled and tested for 2.3 kV to 36 kV voltages and were developed to meet the requirements of 62271-200 standard, while preserving the flexibility in adapting to the different characteristics demanded by the market.

LCW

LV Switchgear

The WEG LV Switchgear are designed according to IEC 60439-1 to meet specifications of broad market segments for high operational current, high levels of short circuit interrupting rates and equipment protection complying with international quality and safety requirements. Designed with a high level of modularization, this product allows easy assembly, installation, maintenance and future expansions. The WEG Load Center is equipped with fixed, plug-in or removable circuit breakers and/or fixed switch-disconnector intended to supply MCCs loads and other electric panels.

- Voltage class: 690/1,000 V
- Rated currents: 6,300 A (horizontal busbar) 4,000 A (vertical busbar)
- Short-circuit current: 50 kA; 65 kA; 80 kA
- Option for arc-resistant

CCM

LV Motor Control Centers

The WEG LV MCCs are designed with a high level of standardization. These products provide easy assembly, installation, maintenance, future expansions and interchangeability among units of the same MCC model, size and function.
Certified by IEC 60439-1-TTA/PTTA with coordination type 1 and 2, WEG MCCs ensure high level of operation and maintenance reliability. They are available in fixed and/or removable units, and always complying with safety requirements of personnel and electrical installations.

- Voltage class: 690/1,000 V
- Rated currents: 3,150 A (horizontal busbar) 800 A (vertical busbar)
- Short-circuit current: 50 kA; 65 kA; 80 kA
- Option for arc-resistant

Automation technologies

MVW01

Medium Voltage Frequency Inverter

- Motor voltages: 2.3 kV up to 6.9 kV
- Maximum applicable motor of 500 HP (400 kW) to 22,500 HP (2,200 kW) (16,875 kW)
- Power and control insulated by fiber optic
- Withdrawable power arms for quick and easy replacement
- Easy-to-use graphic operating interface (HMI)
- Compact model with standard 18-pulse rectifier
- Network communication: DeviceNet, Modbus, Profibus-DP and Ethernet
- Dry-type plastic film power capacitors with high reliability and long life
- Imposed voltage
- Air-cooling
- High efficiency (>99%)
- High power factor (>95%)
- Low noise level (<75 dB)
- Low heat dissipation

SSW7000

Medium Voltage Soft-Starter

- Supply currents: 2.3 kV, 4.16 kV or 6.9 kV
- Power: 600 HP to 7,500 HP (other values on request)
- Rated currents: 125 A, 180 A, 250 A, 300 A, 360 A, 500 A and 600 A
- Degree of protection: IP41, NEMA12
- Operating interface (HMI) with graphic LCD
- Real time clock
- Main and bypass vacuum contactors
- Medium voltage fuses
- Input switch-disconnector
- Power and control insulated by fiber optic
- Flash memory module (optional)
- SoftPLC function
- Free WLP and SuperDrive programming software
- USB connection to PC
- Motor thermal protection - Pt-100 (optional)
- 5 starting modes
- Boards for network communication: DeviceNet, Profibus-DP, Ethernet and Modbus, RS232 or RS485 interfaces (optional)

AFW11M/AFW11W

Modular Frequency Inverter

- Ideal solution to drive high-power motors
- Configuration through power modules (books)
- Modular structure - more compact
- Air-cooled (AFW11M) or water-cooled (AFW11W) heatsink
- Input rectifier in 6 pulses, 12 pulses or regenerative
- Supply voltage 380-690 V
- Rated currents: 340 to 2,850 A
- Power: 400 HP (315 kW) to 2,500 HP (2,000 kW)
- Same optional items and accessories of the CFW11

CFW11

Frequency Inverter

- Single or three-phase supply voltage of 200...690 V
- Output rated current: 2.7 to 2,850 A[1)]
- Maximum applicable motor of 1.5 HP (1.1 kW) to 2,500 HP (2,200 kW)
- Vectrue Technology® - linear and adjustable V/F scalar control, VVW (Voltage Vector WEG), vector sensorless (without encoder) and with encoder, vector WMagnet sensorless (without encoder) and with encoder
- Optimal Breaking® - WEG inverter breaking technology
- Optimal Flow® - for use in constant torque loads
- Smart thermal management
- Degree of protection: IP20, IP21, NEMA1 and IP55
- Built-in inductor on the DC link
- Single DC busbar
- Plug & Play Philosophy
- USB port
- Real time clock
- Built-in SoftPLC function - adds the functionalities of a PLC to the CFW11
- Operating interface (HMI) with graphic display and backlight
- Optional accessories:
  - Expansion boards of digital and analog inputs and outputs
  - Incremental Encoder Module
  - Safe Torque OFF Module (STO) for safety stop: category 3 PL and SIL CL 2 certified by TÜV Rheinland®, according to EN ISO 13849-1, IEC 61800-5-2, IEC 62061 and IEC 61508 standards
  - Communication modules: DeviceNet, EtherNet/IP, Profibus-DP, RS232, RS485, Modbus-TCP and PROFINET-IO
- RFI suppressor filter (optional, except for sizes E, F and G, which already have built-in RFI filter)
- Also available in modular versions with air-cooled heatsink (AFW11M) or water-cooled heatsink (AFW11W), complete drive (AFW11) and self-supporting (APW11), all with a wide range of rated currents and small size
- Free SuperDrive G2 Software, for inverter parameterization, command and monitoring with USB connection

Note: 1) Models above 1,141 A/850 HP are mounted on modular complete drive panels (AFW11M / W).

CFW700

Frequency Inverter

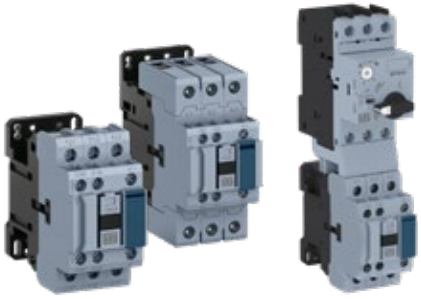
- Single or three-phase supply voltage of 200...600 V
- Rated output current of 3.6...211 A
- Maximum applicable motor of 1.5 HP (1.1 kW) to 175 HP (132 kW)
- VVW Voltage Vector WEG, vector with and without encoder (sensorless)
- Plug & Play Philosophy
- Built-in SoftPLC function - adds the functionalities of a PLC to the CFW700
- Smart thermal management
- Degree of protection IP20, IP21, NEMA1 and IP55
- Incorporated DC link inductor
- Incorporated input for incremental encoder and RS485 communication port (Modbus)
- LCD operating interface (HMI) with backlight and USB port
- RFI filter according to EN 61800-3 (optional)
- Communication: CANopen, DeviceNet and Profibus-DP (optional)
- Safe Torque OFF Module (STO) for safety stop:
  - Category 3 PL e/SIL CL 2 certified by TÜV Rheinland® according to EN ISO 13849-1, IEC 61800-5-2, IEC 62061 and IEC 61508 standards
- Flash memory module (optional)
- Free WLP and SuperDrive G2 programming softwares

Automation technologies

SSW06

Soft-Starter

- Supply voltage of 220...690 V
- Maximum applicable motor of 3 HP (2.2 kW) to 1,700 HP (1,250 kW)
- Output rated current: 10 to 1,400 A
- Incorporated bypass up to 820 A
- Allows motor inside delta connection (6 cables only for 220-575 V models) or standard connection (3 cables)
- Removable operating interface (HMI) with double display (LED/LCD)
- Kick-start function (torque pulse at starting)
- Pump control function for smart control of pumping systems
- Multimotor function
- Built-in motor protections
- Operation in environments up to 55 ºC
- Torque control
- Built-in SoftPLC function - adds the functionalities of a PLC to the SSW06
- Input and output expansion module
- Modbus-RTU communication via RS232 (incorporated), Profibus-DP, DeviceNet, EtherNet/IP and Modbus-TCP, RS458 or USB (optional)
- Free SuperDrive G2 programming software



CWB

Contactors

- Compact solution up to 80 A and up to 54 mm wide
- Built-in auxiliary contacts 1NO + 1NC
- Low energy consumption DC coils allow direct drive of the contactors via PLCs, inverter outputs or soft-starters without requiring an interface relay
- More compact assemblies of motor starters
- Developed according to IEC 60947 and UL 508 international standards
- Wide range of accessories

SRW01

Smart Relay

- Reliability and accuracy in monitoring, operation and protection of low voltage electric motors
- Supply voltage: 24 V ac / V dc or 110/240 V ac / V dc
- Plug & Play Philosophy
- Modular design
- Communication networks: Modbus-RTU, Profibus-DP, DeviceNet or Ethernet
- USB port
- Free WLP programming software (WEG Ladder Programming)
- Optional Items:
- Operating interface (HMI) for cabinet door mounting: monitoring, parameterization and operation with copy function and serial communication
- Current and voltage or current measuring units
  - Current Measuring Unit (CMU): current monitoring on the three motor phases
  - Current and Voltage Measuring Unit (CVMU): current monitoring on the three motor phases, voltage monitoring up to 690 V, phase sequence, power factor and other motor powers, allowing the management of electric energy consumption in kWh

DWB/DWA

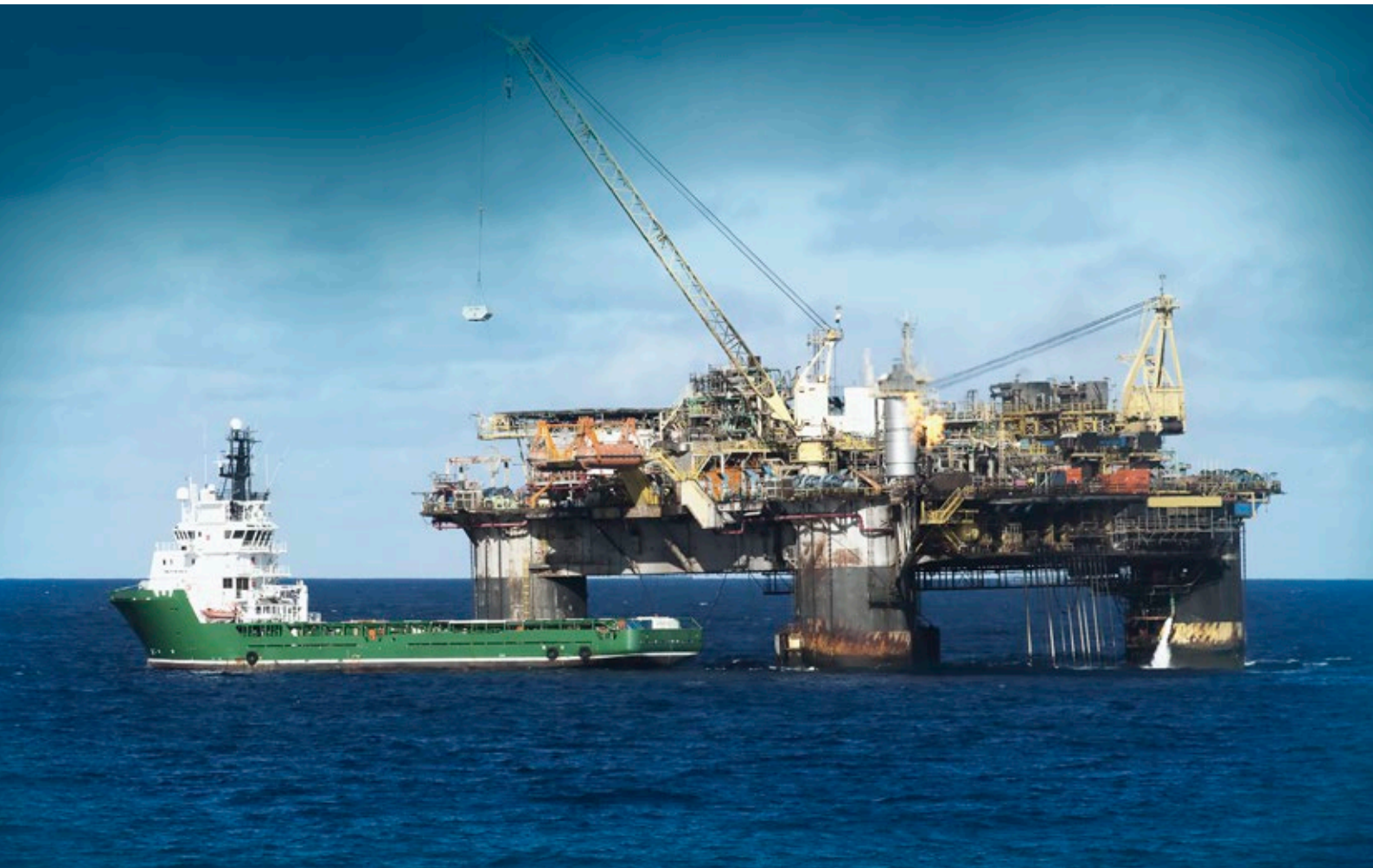
Molded-Case Circuit Breakers

- WEG line of circuit breakers:
  - DWB/DWA Line - protection of distribution electrical circuits and generators
  - DWB/DWM Line - motor protection
  - IWB and IWA Line - electrical circuit switch-disconnection
- Rated currents: 16 to 1,600 A
- Short-circuit breaking capacity up to 80 kA (380/415 V)
- Models with thermal and adjustable magnetic triggers
- Broad range of internal and external accessories
- Technical specifications according to IEC 60947-2
- DWB1000 and DWB1600 with LSI electronic protection

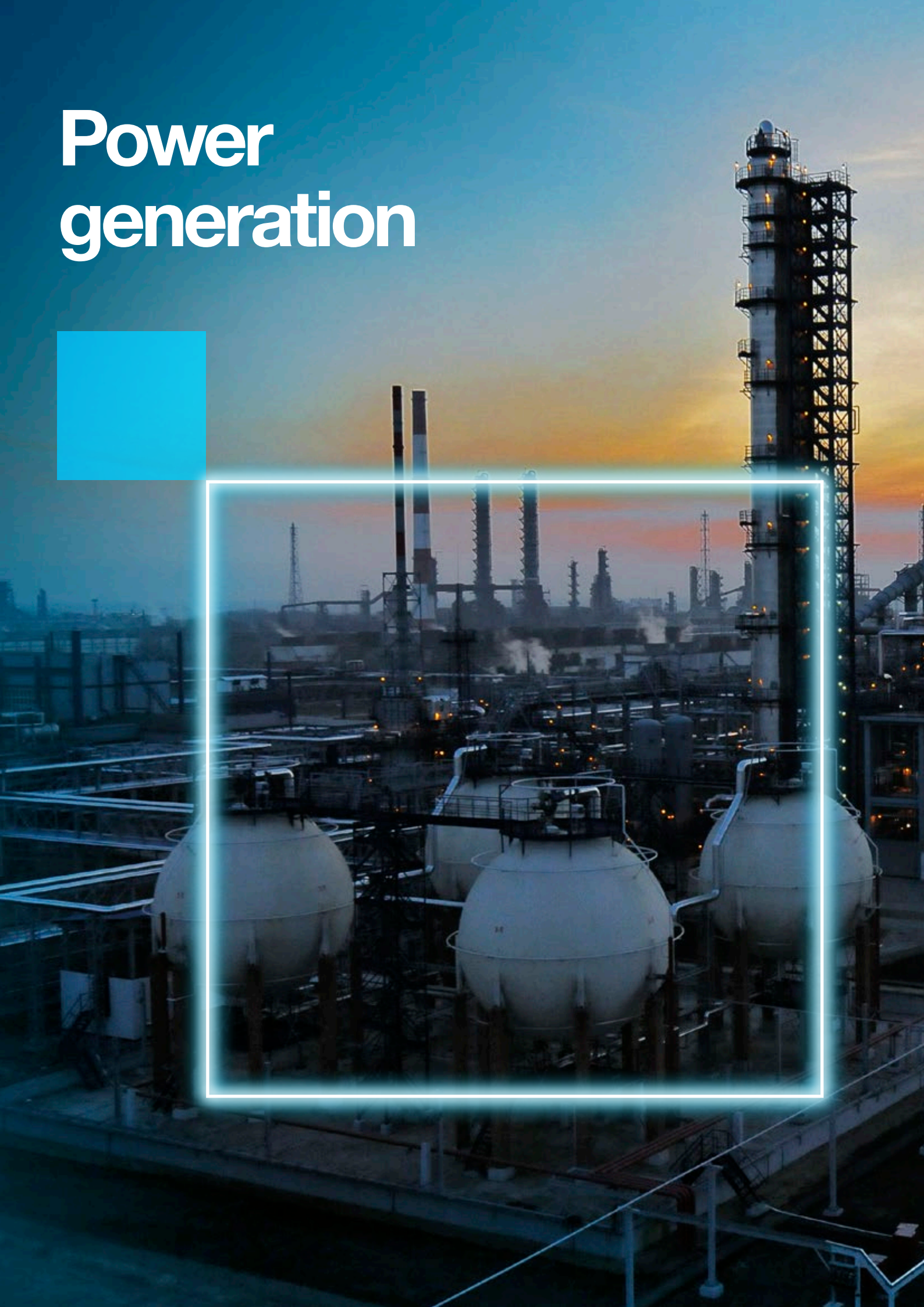
UCWT

Three-Phase Capacitive Units

- Ideal for localized/individual motor correction:
  - 0.5 to 20 kvar at 220 V
  - 0.5 to 35 kvar at 380/440/480 V
  - 40 to 50 kvar at 380/440/480/535 V
- Built-in discharge resistors
- Protecting cover for connections
- Philips and box terminals



Power generation

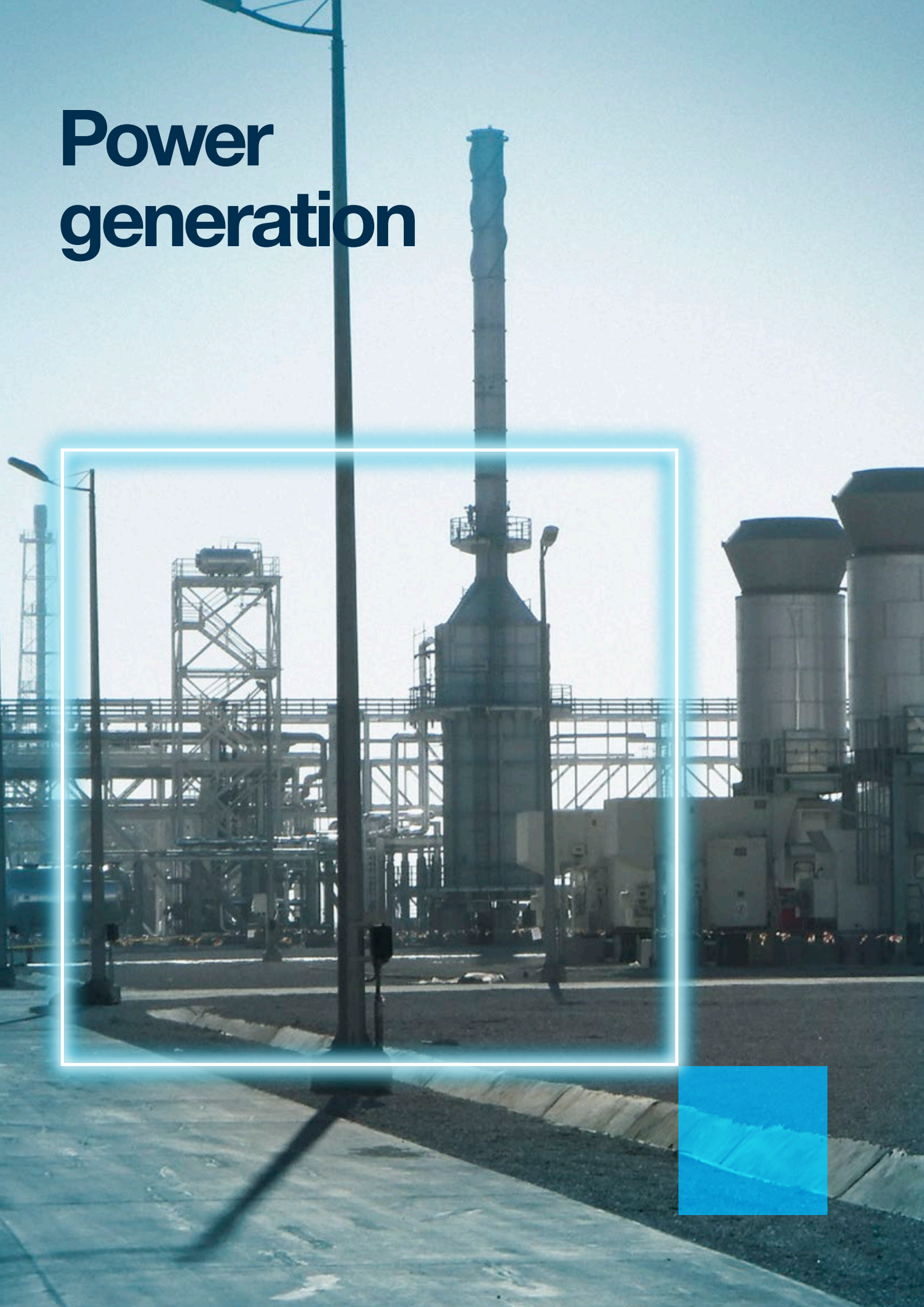


Combined flexible products for sustainable energy

WEG has the expertise to provide integrated energy solutions to drive all plant equipment.
The products are designed to the highest quality standards and state-of-the-art technology demanded by the Oil & Gas Industry.

WEG is a world leading company in the manufacture of power generation equipment and has the technological capabilty and capacity to offer the finest solutions for Oil & Gas applications.
Counting on modern and fully-equipped manufacturing facilities and a team of experienced and highly qualified engineers, the company has the expertise to provide reliable products for the industry.

Power generation



WEG´s extensive experience in the manufacture of synchronous generators, added to modern design, production capacity and testing facilities have resulted in competitive and reliable products designed to the most respected industry standarts such as API 546.

ST41

Synchronous Generators

- Ratings: up to 62,500 kVA at 1,800 RPM or up to 50,000 kVA at 1,500 RPM
- Voltage: up to 14,400 V
- Cooling: open, air or water cooled
- Brushless design with electronic voltage regulator
- Designed for safe or classified environments
- NEMA or IEC designs

ST20

Synchronous Generators

- Ratings: up to 150,000 kVA at 3,600 RPM or up to 120,000 kVA at 3,000 RPM
- Voltages: up to 14,400 V
- Cooling: open, air or water cooled
- Brushless design with electronic voltage regulator
- Designed for safe or classified environments
- NEMA or IEC designs

SG10

Synchronous Generators (for Alternators Sets)

- Ratings: up to 25,000 kVA
- Voltages: up to 14,400 V
- Degree of protection: IP21 to IP56W
- Number of poles: up to 26
- Brushless design with electronic voltage regulator
- Designed for safe or classified environments
- NEMA or IEC designs

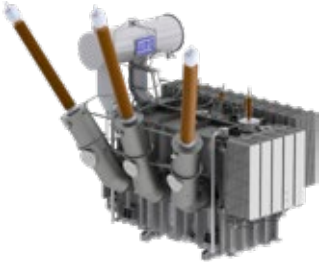
Power Transmission & Distribution

Excellence in power supply technologies

Excellence in power supply technologies associated with the use of high quality raw material and product customization differentiate the WEG supplies of Transformers and Substations for the Oil & Gas Industry. Over 76,000 MVAs per year represents the reliable manufacturing capacity of WEG in the area of transformers, substations and high voltage power transmission and distribution equipment. This capacity is the result of a highly verticalized production process, providing flexibility and short delivery time.

Dry-Type Transformer

The transformers insulated with epoxy are the best option to meet the demand for transformers that provide more safety, use less space and reduce installation and maintenance costs. This product line offers solutions for all kinds of environments. The vacuum encapsulation process and the quality of the resin prevent partial discharges and significantly increase the lifetime of the transformer. They are available with power from 112.5 to 20,000 kVA, in voltage classes up to 36.2 kV, with degree of protection up to IP55.



Oil Transformers

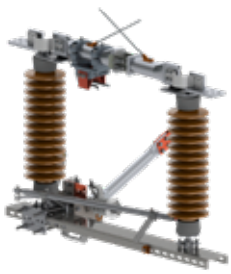
Reduction of weight and dimensions, types of insulating oils, longer lifespan and monitoring systems are just some of the items evaluated by WEG's technical team to develop oil transformers to offer customers top level solutions. The portfolio includes a complete line of distribution and power transformers up to 550 kV, insulated with mineral oil, reducing the equipment cost, or vegetal oil, significantly reducing environmental impacts.

Conventional substations full turnkey solutions

The substation department has an experienced and skilled team responsible for providing turnkey substations - from prospection, definition of a specific solution for the customer and project management and administration, to manufacture and assembly. It has proven experience, having already delivered and powered up over 430 substations in all voltage levels up to 550 kV.

Mobile Transformers and Substations

Developed with the most advanced components in the market, the Mobile Solutions (Transformers and Substations) ensure dynamic operation and agility, being easy to be installed wherever required.
They are used for emergencies and scheduled maintenances in power transformers and substations, allowing the jobs to be carried out without interrupting the power supply.



Disconnectors

Offering more and more complete solutions, WEG also has a line of Disconnectors. Their function is to ensure the insulation of equipment, sections of lines or substations, allowing the visual confirmation that the insulated segment is de-energized. They are available in voltage levels from 15 to 550 kV, with current levels from 630 to 5,000 A and short circuit levels up to 63 kA/1s (other voltages, current and short circuit levels[1]) upon request).

Note: 1) The current and short circuit levels are not applied to all equipment and all voltage levels.

Industrial coatings

Industrial coatings providing full protection

WEG has the capability of supplying a complete anticorrosive and antifouling range of products for several applications for the Oil & Gas Industry including tank farms, crude oil tankers, FPSOs and PSVs. Our line of products ranges from shop primer for temporary protection for steel plates to high performance antifouling with durability up to 5 years without maintenance shutdown operation.

Our comprehensive painting solutions include an extensive line of special products such as:

W-POXI GFD 362 SR

Primer/Topcoat polyamide epoxy of high-thickness formulated with anticorrosives pigments for stell surfaces. The product is developed for aplictation in dry surfaces, wet surfaces, abrasive blast cleaning and on specific primer. It is particularly suitable for environments where abrasion and corrosion resistance are indispensable requirements.
Volume solids: 97 ±2%
VOC: 55 g/L
Dry film thickness: 400 - 1,000 microns dry

Apply over hydroblasted surfaces in grade CWJ-2 according to SSPC-VIS 4 Standard.

Immersion of 4,000 hours in salt spray without alteration.

Application in high-thickness and on hydroblasted surfaces.

Main application market: oil exploration platforms and offshore structures.

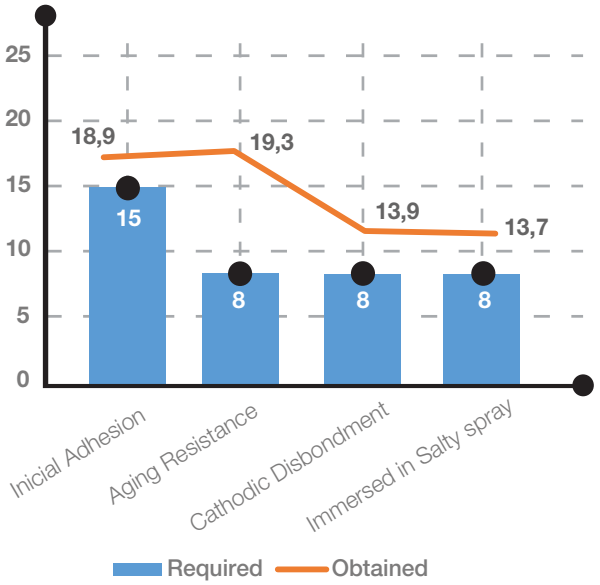
Industrial coatings

WEGPOXI BLOCK GFD 462 – High Performance

Primer and Topcoat Epoxy Polyamide of high thickness formulated with anticorrosive pigments for steel surfaces. Product developed for application on dry, moist, hydroblasted surfaces and on specific primer. This line provides superior results to the high performance products already used in the market. The test results demonstrates that this product shows conditions of use in the same regions and uses of the high performance line, however, extending the interval between maintenance.

Volume solids: 85 ±2%
VOC: 190 g/L
Dry film thickness: 250 - 500 microns dry

Spefication				
Test	Standard	Min	Max	Results
Touch drying (25 °C, in hours)	ASTM D1640/D1640M	-	-	2
Handle drying (25 °C, in hours)	ASTM D1640/D1640M	-	-	6
Aging resistance	ISO 20340	4,200	8 mm	6.1 mm
Cathodic disbondment	ISO 15711	4,200	20 mm	7.2 mm
Immersed in salty spray	ISO 2812-2	4,200	Ri0 0 (S0)	Ri0 0 (S0)



W-THANE HBA 851

Topcoat polyester of high solids by volume and glossy. The product was developed to make a system of anticorrosive protection, it has high power of waterproofing, chemical resistance and natural weathering resistance. Its performance is superior in 4 times the line of aliphatic acrylic polyurethanes, widely used in the market. Exclusive product on the market. It can be used in environments where high resistance is required. The product is certificed by LEED (Leadership in Energy and Environmental Design) Certification, because of his low content of VOC (Volatile Organic Compounds).

Test

	Standard	LACKTHANE N 2677	W-THANE HBD 851
Volume solids (%)	PETROBRAS N-1358	63	77.5
Touch drying (h)	ASTM D 1640	4h	3h

Resistance tests

	Standard	HBD 851
UV-A (h) Alteration of brightness <10% in 1440 hours N2677	ASTM G 154	7,000
UV-B (h)	ASTM G 154	5,500

UV Test

UV-A	7,000 hours	
	Color variation: Delta E: 0.9	
	Loss of gloss: 8.6%	

UV-B	5,500 hours	
	Color variation: Delta E: 0.81	
	Loss of gloss: 7.9%	

W-POXI BLOCK HPP 402

Bicomponent Novolac Epoxy Primer, of high thickness and high solids, pigmented with aluminum. Tolerant to surfaces treated with manual or mechanical cleaning. Anticorrosive coating with high adherence on carbon steel duly treated or old paint, but adhered. Excellent chemical resistance, extremely low solvent content (LOW VOC), besides great resistance to abrasion and impact. W-POXI BLOCK HPP 402, besides providing incomparable anticorrosive protection, it also has excellent surface hardness and impermeability.

This product presents anticorrosive results even when applied on mechanical manual treatment to the ST2 and ST3 standards, similar to those achieved when applied on abrasive blasting to the Sa 2 ½ standard and therefore it is an excellent choice for the maintenance of structures and equipment. It is a unique product in the market.

W-POXI BLOCK HPP 402

Coating system build up and specified dry film thickness

W-POXI BLOCK HPP 402	150 µm
W-POXI BLOCK HPP 402	150 µm
W-POXI BLOCK HPP 402	150 µm
Total nominal dry film thickness (nDFT)	450 µm

Conclusion

The coated samples with COT sample number 02-01-18/001 meets the requirements of ISO 12944-6 C5I high.

Resistance tests

Test method	Test duration	Pass/Fall
Reference adhesion (ISO 17025 scope number 3)	N.A.	Pass
Neutral salt spray ISO 9227 (ISO 17025 scope number 4)	1,440 hours	Pass
Condensation test ISO 6270-1 (ISO 17025 scope number 6)	720 hours	Pass
Chemical Resistance ISO 2812-1 - 10% NaOH - 10% H_2SO_4 - Mineral spirit, 18% aromatics	168 hours	Pass

WEGPOXI BLOCK N 2912 TYPE I

Two component Novolac epoxy primer of high thickness. It provides excellent chemical resistance including several solvents, good anticorrosive and abrasion resistance. It is indicated for environments where corrosion and chemical resistance are indispensable requirements.

WEGPOXI BLOCK N 2912 TYPE II

Bicomponent Novolac epoxy primer of high thickness and high solids. Excellent chemical resistance, low VOC, including good anticorrosive and abrasion resistance. It also has superficial hardness, waterproofing and excellent anticorrosive.

WEGPOXI BLOCK N 2912 TYPE III

Bicomponent Novolac epoxy primer of high thickness and high solids. The product is formulated with glass flakes that provides incomparable anticorrosive protection, has excellent superficial hardness and impermeability. The coated equipment can return to service in 48 hours at 25 ºC (77 °F).

All WEGPOXI Block N 2912 lines comply the Petrobras N 2912 and N 2913 Standards.

W-TERM HPD 364

Phenolic epoxy coating with excellent chemical and anticorrosive resistance which are maintained when used at high temperatures. Indicated for aggressive environments providing good anticorrosive protection on steel insulated or not.

W-POLI HPD 451 (Polyaspartic)

High performance and very flexible double funcional anticorrosive coating. Developed to replace the application of primer and finish, mainly in the maintenance of oil platforms and the petrochemical industry in general.

W-ECOLOFLEX SPC 150 HyB

Antifouling coating (copper silyl acrylate copolymer) tin-free, which ensures long and stable self-smoothing effect which makes the fresh active coating surface constantly exposed to seawater, resulting in excellent antifouling performance. This product does not contain organotin compounds acting as biocides and as such is in compliance with the International Convention on the Control of Harmful Anti-fouling Systems on ships. Product especially developed for oceangoing vessels in general.

W-POXI ONP 415

Epoxy primer of fast drying, it allows wet on wet applications. Excellent anticorrosion protection, flexibility and hardness. Excellent adhesion on aluminum, galvanized steel and glass fiber.

W-POLI HBD 453

Polyurea-based high performance elastomeric protective coating. The polymer stands out for its unique characteristics of high elasticity, breaking strength (no tearing, no chipping) and total waterproof after application.

W-ECOLOFLEX SPC 200

Antifouling Paint, free of hydrolytic self-polishing tin with copper acrylate copolymer base. Product especially developed for coastal vessels with high activity and medium speed. The ECOLOFLEX SPC series ensures excellent and long performance, providing great saving of fuel.

WEGZINC 401

The shop primer of Zinc Silicate Ethyl provides good anticorrosive protection even after heating up to 800 °C (1,472 ºF). It does not interfere in the process of welding, cutting gas and performance. Certified by DNV and Lloyd's Register for shop primers resistant to weldability. Especially developed for protection of steel during construction and assembly of new work. Used when requiring speed in the welding process. Indicated for reducing the secondary preparation process of surfaces.

W-THANE HBD 521

Two-component, high-build polyol-based finishing primer with low content of volatile organic compounds (VOCs). It offers excellent chemical and anti-corrosion resistance. Used in flanges and valves, screw sealing and pipes. It can be applied with high thickness in a single pass, increasing productivity.

After sales support and service

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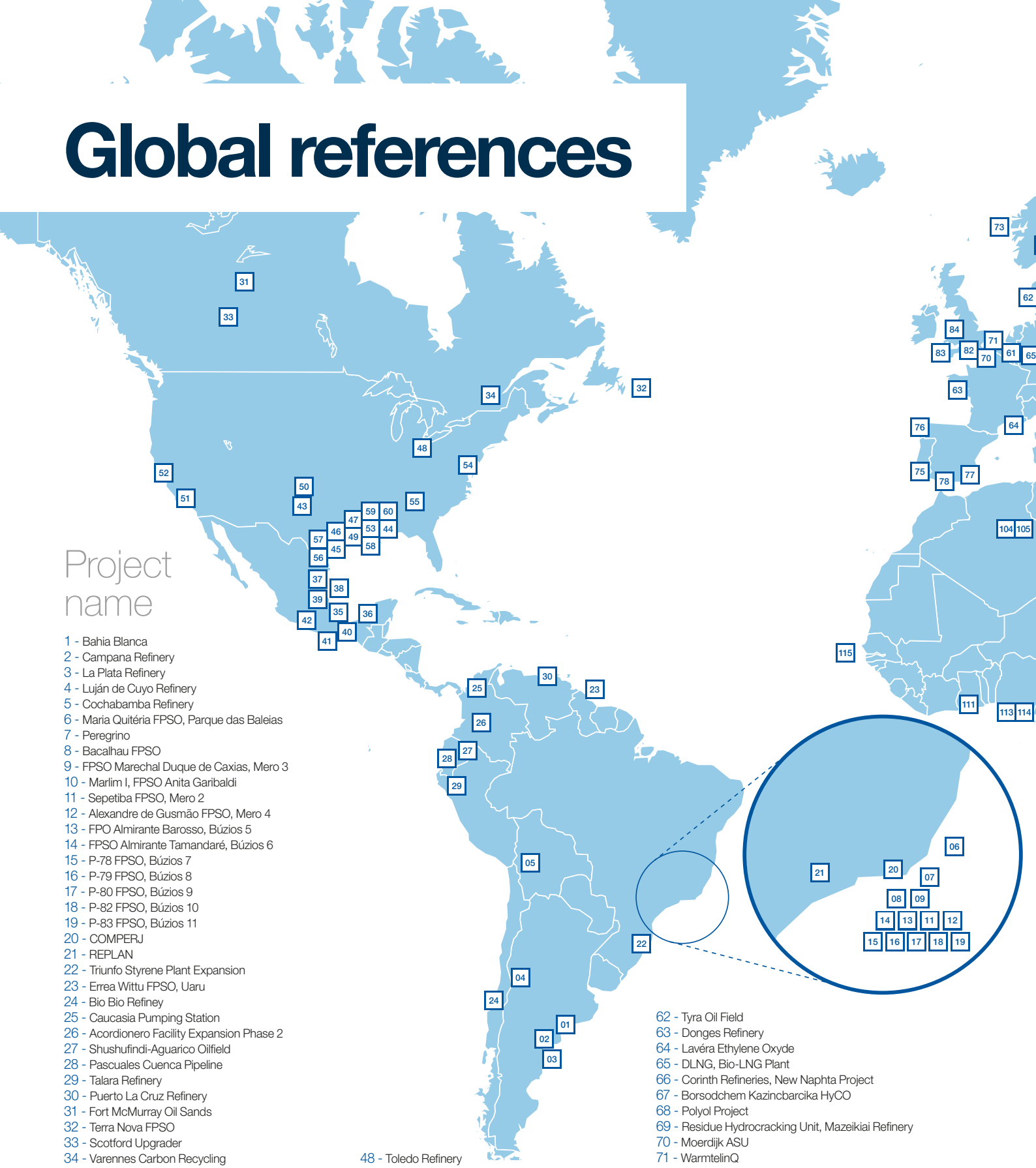
Global references



Project name

1 - Bahia Blanca
2 - Campana Refinery
3 - La Plata Refinery
4 - Luján de Cuyo Refinery
5 - Cochabamba Refinery
6 - Maria Quitéria FPSO, Parque das Baleias
7 - Peregrino
8 - Bacalhau FPSO
9 - FPSO Marechal Duque de Caxias, Mero 3
10 - Marlim I, FPSO Anita Garibaldi
11 - Sepetiba FPSO, Mero 2
12 - Alexandre de Gusmão FPSO, Mero 4
13 - FPO Almirante Barosso, Búzios 5
14 - FPSO Almirante Tamandaré, Búzios 6
15 - P-78 FPSO, Búzios 7
16 - P-79 FPSO, Búzios 8
17 - P-80 FPSO, Búzios 9
18 - P-82 FPSO, Búzios 10
19 - P-83 FPSO, Búzios 11
20 - COMPERJ
21 - REPLAN
22 - Triunfo Styrene Plant Expansion
23 - Errea Wittu FPSO, Uaru
24 - Bio Bio Refiney
25 - Caucasia Pumping Station
26 - Acordionero Facility Expansion Phase 2
27 - Shushufindi-Aguarico Oilfield
28 - Pascuales Cuenca Pipeline
29 - Talara Refinery
30 - Puerto La Cruz Refinery
31 - Fort McMurray Oil Sands
32 - Terra Nova FPSO
33 - Scotford Upgrader
34 - Varennes Carbon Recycling
35 - Ethylene XXI Complex
36 - Area 1 FPSO
37 - Fast LNG
38 - Fast LNG 2
39 - Fast LNG 3
40 - Dos Bocas Refinery
41 - Salina Cruz Refinery
42 - Tula Refinery
43 - Delaware Basin
44 - Geismar Renewable Diesel
45 - US Gulf Coast (USGC) Petrochemicals Project
46 - Oyster Creek Monoethylene Glycol (MEG) Plant
47 - Project Traveller, Ethylene-to-Alkylate
48 - Toledo Refinery
49 - Baytown Refinery
50 - Borger Refinery
51 - El Segundo Refinery
52 - Richmond Refinery
53 - Beaumont Refinery
54 - Cove Point LNG
55 - Cherokee LNG
56 - Rio Grande LNG
57 - Corpus Christi LNG
58 - Calcasieu Pass LNG
59 - Energy Modernization (Eagleray)
60 - Plaquemines LNG
61 - Antwerp Refinery
62 - Tyra Oil Field
63 - Donges Refinery
64 - Lavéra Ethylene Oxyde
65 - DLNG, Bio-LNG Plant
66 - Corinth Refineries, New Naphta Project
67 - Borsodchem Kazincbarcika HyCO
68 - Polyol Project
69 - Residue Hydrocracking Unit, Mazeikiai Refinery
70 - Moerdijk ASU
71 - WarmtelinQ
72 - Brevik Carbon Capture and Storage
73 - Troll Gas Field
74 - Krakow ASU
75 - Alba Project, Sines
76 - Puerto de Langosteira
77 - Cartagena Refinery
78 - Bottom of the Barrel, San Roque Refinery
79 - Adana New PTA Plant
80 - Aegean Refinery
81 - Aliaga Oil Storage Terminal
82 - Fawley Refinery
83 - Catcher FPSO
84 - Penguins Field Redevelopment

85 - BAPCO Modernization Program
86 - Al-Zour Refinery
87 - Gathering Center 32
88 - Clean Fuels Project
89 - Ras Markaz Oil Storage Terminal And Pipeline
90 - Duqm Refinery
91 - Marmul Oil Field
92 - Sohar Refinery
93 - Yibal Khuff EOR
94 - North Field Expansion
95 - Fadhili Gas Plant
96 - Hawiyah Unayzah Gas Reservoir Storage
97 - Jazan Refinery
98 - Saudi Elastomers Project
99 - Ras Tanura Refinery
100 - Shaybah Natural Gas Liquids
101 - Yanbu Liner Alkyl Benzene
102 - Belbazem Field Development
103 - Borouge 4
104 - Hassi Messaoud Peripheral Fields Development
105 - Rhourde Chegga, Multiphase Pump Station
106 - Agogo FPSO
107 - Eastern Hub FPSO
108 - Ain El Sokhna Fertilizer
109 - Western Desert Gas Complex “Train D”
110 - Assiut Hydrocracking Complex
111 - Jubilee FPSO
112 - Mozambique LNG
113 - Amenam-Kpono Phase 2 (AMP2)
114 - Rehabilitation of Port Harcourt Refinery
115 - Sangomar FPSO
116 - Crude Flex II Pump Station
117 - Tilenga, Lake Albert Development
118 - Feruka-Harare Pipeline
119 - Heydar Aliyev Oil Refinery (HAOR) Modernization
120 - Shah Deniz
121 - Russia PhosAgro Ammonia (RPA) Project
122 - Arctic LNG 2
123 - Kingisepp Ammonia and Urea Plant
124 - Moscow Oil Refinery Modernization
125 - NKNK New Ethylene Complex
126 - Orsk Refinery
127 - Amursky Gas Chemical Complex, AGCC
128 - Amursky Gas Processing Plant, AGPP
129 - Tobolsk ZapSibNeftekhim, ZapSib
130 - ZAPSIB 2 Project, LLDPE/HDPE Unit
131 - Baltic Chemical Complex
132 - Uzbekistan Methanol to Olefins
133 - UNF Project
134 - Brunei Fertilizer Complex
135 - KG-DWN-98/2 FPSO
136 - Visakh Refinery Modernization Project, Hydrogen Generation Unit
137 - Balikpapan RDMP
138 - Incheon Liquid H2 Plant
139 - Ulsan Liquid H2 Plant
140 - RAPID Project
141 - Chemical and Refining Integrated Singapore Plant
142 - New Pitch Gasification Plant
143 - Renewable Diesel
144 - Australia Pacific LNG (APLNG) Upstream Project
145 - Pluto 2 LNG
146 - Scarborough FPU

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Cod: 50022687 | Rev: 06 | Date (m/y): 07/2023.