

EMPOWERING TRANSITIONS

Decarbonisation, digitalisation, decentralisation and the need to decrease demand are redefining the world of energy. EQUANS's Offshore Division is contributing significantly to this new reality by combining its expertise in Engineering, Procurement, Construction, Installation and Commissioning (EPCIC) of Offshore High-Voltage Substations (OHVS) and the Monitoring and Maintenance of complete offshore wind farms. This combination enables us to guarantee optimum performance and cost of ownership during the entire life cycle of installations.

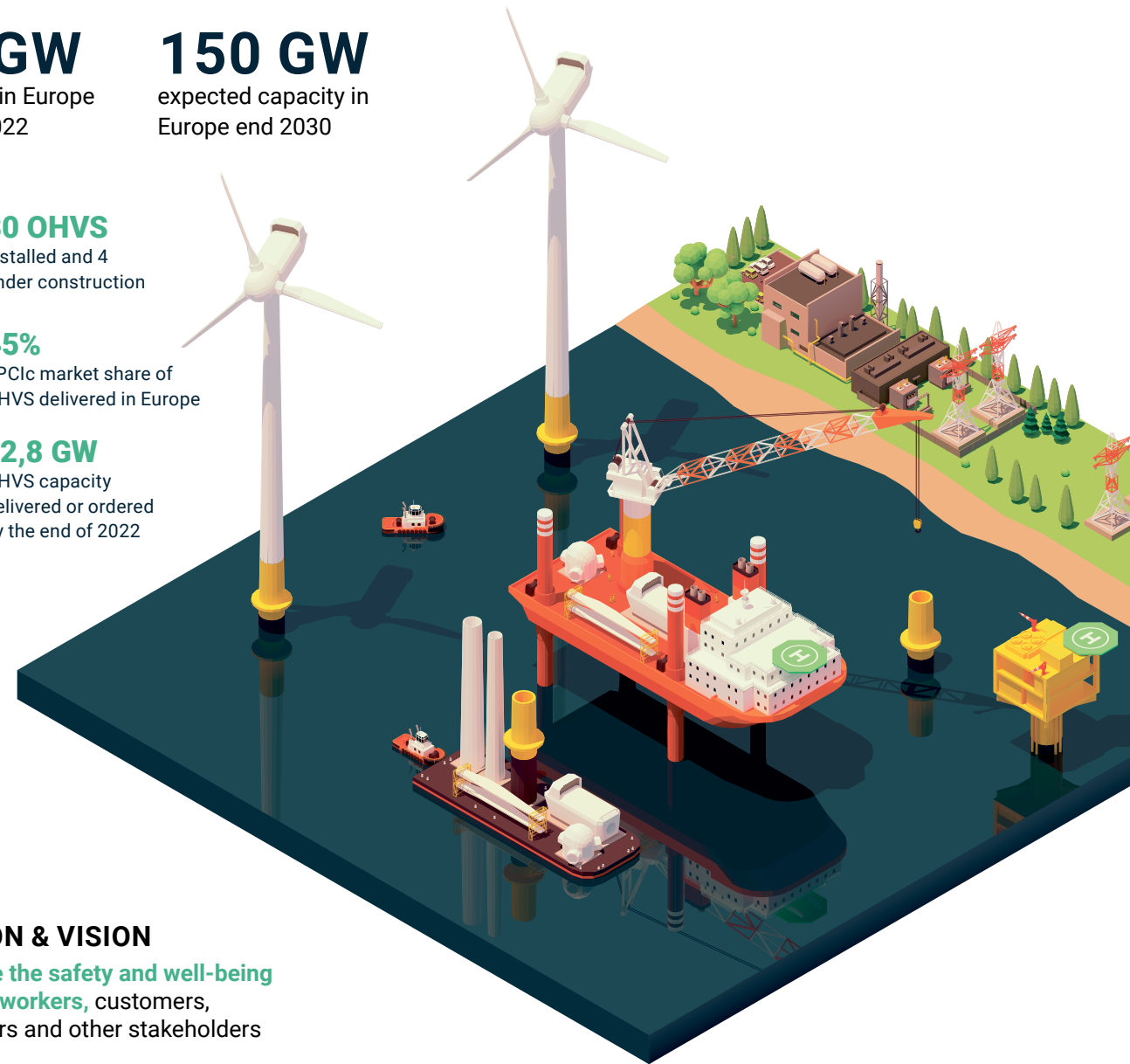
30 GW
installed in Europe
end of 2022

150 GW
expected capacity in
Europe end 2030

30 OHVS
installed and 4
under construction

45%
EPCIC market share of
OHVS delivered in Europe

12,8 GW
OHVS capacity
delivered or ordered
by the end of 2022



MISSION & VISION

- Ensure the safety and well-being of our workers, customers, partners and other stakeholders
- Maintain our 45% EPCIC market share in Europe
- Position ourselves via partnerships in the international offshore wind markets
- Provide integrated turnkey EPCIC solutions and full monitoring and maintenance services
- Offer world class technical expertise

INNOVATION: THE NEXT-GENERATION OF SMART SUBSTATIONS PLATFORMS

We have created the next-generation OHVS: simple, smart, and scalable. It is a cost-efficient, low-risk alternative to tailor-made substations. The new platforms weigh less, can be constructed faster, are easier to transport and install, and can be integrated into an existing wind farm supply chain more quickly.

ABOUT EQUANS

EQUANS designs, builds and maintains multitechnical facilities for companies and local authorities. Many of its solutions improve mobility, safety, distribution systems and the share of renewable energies, as well as operational and energy performance in industrial environments. EQUANS and its subsidiaries are active in both in Belgium and abroad. EQUANS is part of ENGIE, which develops effective and innovative solutions in four key areas: renewable energy, energy efficiency, liquefied natural gas and digital technologies.

As part of the ENGIE Group, the Offshore Wind division can rely on a broad international network of expertise and specialised services within the Group.

EQUANS OFFSHORE

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SHAPING THE FUTURE OF OFFSHORE WIND ENERGY





EPCIC OF SUBSTATIONS

EQUANS Offshore has the expertise and capacity to turn any EPCIC project into a success. Our resources include engineering, procurement, construction, and maintenance specialists as well as project managers and skilled labourers specialised in offshore installation. Every year we execute projects that run into thousands of man-hours, involving multiple skills and strict deadlines.

EPCIC in-house capabilities

- Engineering
- Procurement
- Construction, testing and commissioning
- Transport and installation

In-house supporting services

- Safety and QA/QC management systems
- Project management
- Work preparation
- Planning, training and competence management
- Marine logistics and warehousing



OFFSHORE MONITORING AND MAINTENANCE SERVICES

We offer full monitoring and multidisciplinary maintenance services for entire offshore wind farms. This includes the monitoring and maintenance of substations, wind turbines, hardware, software, low, medium and high-voltage installations...

In-house monitoring and maintenance capabilities

- Maintenance Engineering and Management
- Offshore Technical Services
- Offshore Substation (Commissioning, E&I, LV/MV/HV and AUX systems inspection and maintenance)
- Balance of Plant (Cathodic Protection Inspection and Installation, Grout Repairs, TP Inspection and Maintenance)
- WTG (OEM Turbine Servicing, Statutory and Turbine Inspections)
- Technical Support Mobilisation (Marine Logistics)
- Technical Personnel Supply
- Troubleshooting

New digital solutions for increased performance

EQUANS is investing heavily in digitalisation for better monitoring and increased control on the OPEX costs of the offshore wind farm.

HEALTH, SAFETY, ENVIRONMENT & QUALITY

Our Health, Safety, Environment and Quality (HSEQ) record is our license to work and it remains our top priority in everything we do. Permanent monitoring and evaluation is an important part of our operational ambitions.

Compliance to requirements, regulations and standards

Our work is conducted in accordance with client-specific requirements, local and international regulations, and leading industry standards such as:

ISO 9001	ISO 14001	ISO 45001	ASME III nuclear (NQA-1)	PED (module – H/D1)	AD Merkblätter	EN-ISO 3834-2	ISO 1090-1	SCC (Safety Checklist Contractors)	GWO	Safety Culture Ladder	ISO 27001

FROM START TO FINISH

EQUANS has developed a way of working that ensures the smooth and cost efficient execution of multidisciplinary projects throughout their various phases. Our early involvement, flexible approach, and transparent communication allows for good working relations between all project stakeholders.

- 01 Feasibility & concept studies
- 02 Feed studies
- 03 Design & engineering
- 04 Procurement & logistics
- 05 Construction
- 06 Installation & mechanical completion
- 07 Testing, commissioning & start-up
- 08 Operational support & maintenance



EQUANS OFFSHORE, A PROVEN TRACK RECORD

EQUANS has been involved in multiple offshore EPCIC projects across Europe, and we continue to monitor and maintain many of the platforms. Our expertise and know-how in this area, which is known for its highly variable geologic settings and water depths, makes us an ideal partner for any offshore wind developments in the international market.

United Kingdom

INSTALLED

London Array
630 MW

Humber Gateway
219 MW

West Of D. Sands
389 MW

Walney 3 & 4
659 MW

Race Bank 1 & 2
580 MW

Burbo
250 MW

Triton Knol
857 MW

Moray East
950 MW

ORDERED

Moray West
900 MW

Germany

INSTALLED

Buitendiek
288 MW

Amrumbank
302 MW

Godewind 1&2
582 MW

Veja Mate
400 MW

Mercur
396 MW

Hohe See
497 MW

ORDERED

Baltic Eagle
496 MW

Belgium

INSTALLED

Belwind
165 MW

Norther
370 MW

SeaMade
487 MW

The Netherlands

INSTALLED

Luchterduin
129 MW

Gemini
600 MW

Hollandse Kust Noord
700 MW

ORDERED

Hollandse Kust West Alpha
700 MW

Hollandse Kust West Beta
700 MW

France

INSTALLED

Saint-Brieuc
496 MW

