



Navantia

SEANERGIES

Better energies for a better world

Navantia Seanergies is Navantia's brand for its green energy business.

It is one of the three new business lines structuring the company, which was created to turn the company into a global supplier in both the development of offshore wind farms and hydrogen technologies. Navantia Seanergies has the company's experience, industrial skills and capacity for innovation in developing products and services in the green energy sector.

Navantia Seanergies is the result of synergies with the company's other divisions in order to contribute to driving projects which transform how power is generated, the decarbonisation of maritime transport, and more sustainable development for our planet.



Ricardo Domínguez

President of Navantia

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Navantia is a company with a commitment to the future - the future of industry, the future of Spain, and the future of the planet. Our strategic commitment to sustainable energy attests to that commitment. Green energies are key to combating climate change, saving natural resources and raw materials, avoiding dependence on gas and oil, and making an effective contribution to decarbonising the economy.

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Our Facilities

































Brest

Ría de Ferrol

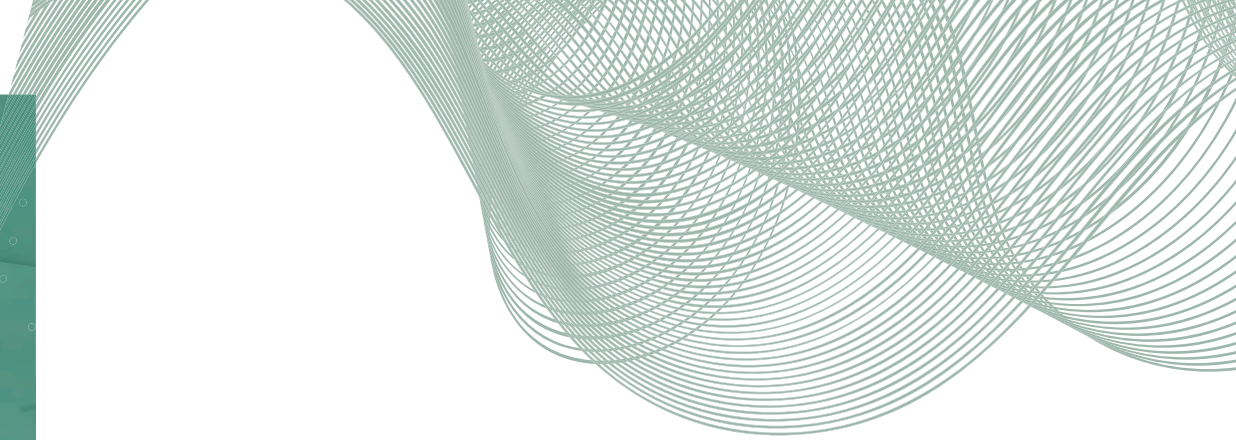
Puerto Real

Cartagena



Client	Offshore Wind Farm	Country	Units	Product
 IBERDROLA	WIKINGER	 GERMANY	29	JACKET FOUNDATION
 SCOTTISHPOWER	EAST ANGLIA 1	 UK	42	JACKET FOUNDATION
 SIEMENS	NISSUM BREDNING	 DENMARK	4	JACKET FOUNDATION
 SMULDERS	MORAY EAST	 UK	20	JACKET FOUNDATION
Ailes Marines [®]	ST BRIEUC	 FRANCE	62	JACKET FOUNDATION
 Eolien en mer Services	DIEPPE-LE TRÉPORT	 FRANCE	62	JACKET FOUNDATION
 Eolien en mer Services	YEU-NOIRMOUTIER	 FRANCE	1	SUBSTATION JACKET
 Eolien en mer Services	DIEPPE-LE TRÉPORT	 FRANCE	1	SUBSTATION JACKET
 equinor	HYWIND SCOTLAND	 UK	5	FLOATING FOUNDATION
 OW OCEAN WINDS	WINDFLOAT ATLANTIC	 PORTUGAL	1	FLOATING FOUNDATION
 cobra	KINKARDINE	 UK	5	FLOATING FOUNDATION
 OW OCEAN WINDS	MORAY WEST	 UK	14	MONOPILE FOUNDATION
 IBERDROLA	WIKINGER	 GERMANY	1	AC SUBSTATION
 SCOTTISHPOWER	EAST ANGLIA 1	 UK	1	AC SUBSTATION
 aibel	JOHAN SVERDRUP	 NORWAY	1	HVDC OSS MODULE
 Orsted	REVOLUTION	 USA	2	MODULE SUPPORT FRAME
 Orsted	OCEAN WIND	 USA	3	MODULE SUPPORT FRAME





TECHNOLOGY AND EXPERIENCE TO LEAD THE ENERGY REVOLUTION

In line with the UN objectives and in the framework of the global commitment to reduce CO2 emissions and maximize energy independence, Navantia wants to become a major player in the green energy industry, both in Spain and internationally.

Navantia Seanergies, as an industrial ally in the energy revolution, brings:

- Experience in large international offshore wind farm projects and in the development of hydrogen solutions for marine propulsion.
- A broad portfolio of products such as substations and foundations (monopiles, jackets and floating) for offshore wind farms, components for green hydrogen (such as electrolyzers) and for biomass production.
- Production facilities in Spain (Fene, Ferrol, Puerto Real and Cartagena) and France (Brest), with direct access to the sea and capacity to build large components.
- Flexibility and experience to locate production in other countries.
- Investments in infrastructure and R&D&I in products, services and processes.
- State-of-the-art robotized industrial capabilities.
- A strong associative capacity, with first class collaborators.

PROVEN ABILITY

The company started its activity in the field of offshore wind energy in 2014. Since then, it has developed **17 projects for seven countries collaborating with more than 200 industrial companies.**

Navantia Seanergies is a global supplier trusted by major international energy companies, which has participated in large wind farm development projects and has extensive experience in the construction of all types of foundations, a value proposition reinforced by the construction of floating structures.

Navantia Seanergies is also prepared to execute construction projects in Spain and other countries in partnership with local industry and strategic partners, as well as manufacturing, assembling and integrating products and components for a wide range of green energy markets, including hydrogen and biomass turbines.

The possibility of industrial relocation wherever it is required optimizes project results. The division has a solid and proven model of collaboration with local partners, focused on the comprehensive development of the value chain.

Perfectly suited to undertake the manufacture of different types of fixed and floating foundations, we do also entertain technology and know-how transfers.







Navantia

SB 30

SB 43

SB 43

SB 113

CAROLINE

Navantia
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HYDROGEN: TOWARDS THE DECARBONISATION OF THE MARITIME SECTOR

Hydrogen: towards the decarbonisation of the maritime sector.

Hydrogen is the clean fuel of the future of naval propulsion. Navantia Seanergies has experience in the hydrogen fuel cell submarine propulsion sector as the starting point for developing ship propulsion projects, and hydrogen engine systems, in partnership with leading designers.

Navantia Seanergies has 3,600 m² of industrial plant dedicated to integrating and testing real components in production, including fuel cells, hydrogen generators using reforming, cryogenic storage, and battery simulation, among other technologies.





THE CENTRE OF EXCELLENCE, OUR INNOVATION ENGINE

The Navantia Seanergies Centre of Excellence, with 3 sites in Spain, located in Fene, Puerto Real and Cartagena, is a space for partnership with the innovation ecosystem of the sustainable energy sector: our clients, supply chain companies, SMEs, business clusters, R&D agents (universities, technological centres, etc.), and other strategic partners. This centre drives and strengthens the establishment of solid alliances to integrate know-how, improve the application of technological capacities, consolidate and develop business lines, and improve competitiveness.

The Centre of Excellence designs and constructs the bases for Navantia to attract and strengthen the industrial network around it, and build a sustainable, profitable future in the market of the energies of the future.









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