

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.



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.

#### Ricardo Dominguez

President of Navantia





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	
Éoliennes en mer Services	DIEPPE-LE TRÉPORT	FRANCE	62	JACKET FOUNDATION	
Éoliennes en mer Services	YEU-NOIRMOUTIER	FRANCE	1	SUBSTATION JACKET	
Éoliennes en mer Services	DIEPPE-LE TRÉPORT	FRANCE	1	SUBSTAT ION JACKET	
equinor	HYWIND SCOTLAND	<b>UK</b>	5	FLOATING FOUNDATION	
OCEAN WINDS	WINDFLOAT ATLANTIC	PORTUGAL	1	FLOATING FOUNDATION	
<b>⊘</b> cobra	KINKARDINE	UK	5	FLOATING FOUNDATION	
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

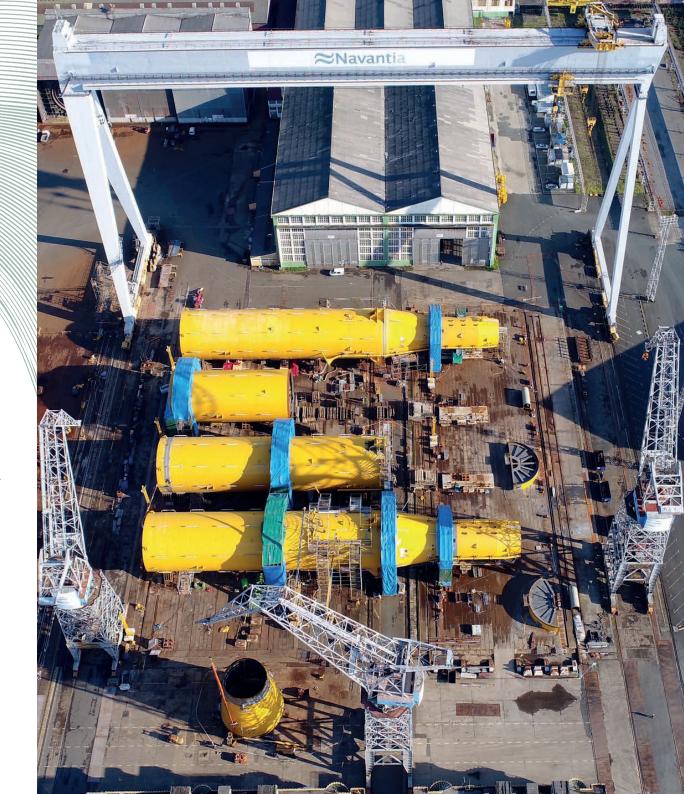
The company started its activity in the field of offshore wind energy in 2014. Since then, it has developed **17 projects for seven countries collaborating with more than 200 industrial companies.** 

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.









## 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.











### Navantia SEANERGIES

