

# Construction of an offshore wind farm

## Operation and maintenance building

Located in a nearby industrial port, it serves the offshore wind farm throughout its life.

## Onshore electrical substation

It transforms the electricity, transported via an undersea cable, to voltage levels suitable for transport on the terrestrial power grid.

## Strategic location

The parks are located away from maritime traffic routes, military zones and areas of ecological interest.

## Offshore wind farm

They are located in areas with a depth of up to 60 m - deeper if floating foundations are used - and can cover an area of up to 300 km<sup>2</sup>.

## Installation vessels

They transport the components of the wind turbines - as well as foundations and cables - pre-assembled wherever possible, and contain the cranes for offshore installation.

## Offshore electrical substation

When wind farms are located beyond a certain distance from the coast, it is necessary to install a substation at sea to raise the voltage in order to avoid energy losses.

