

# Product Spotlight

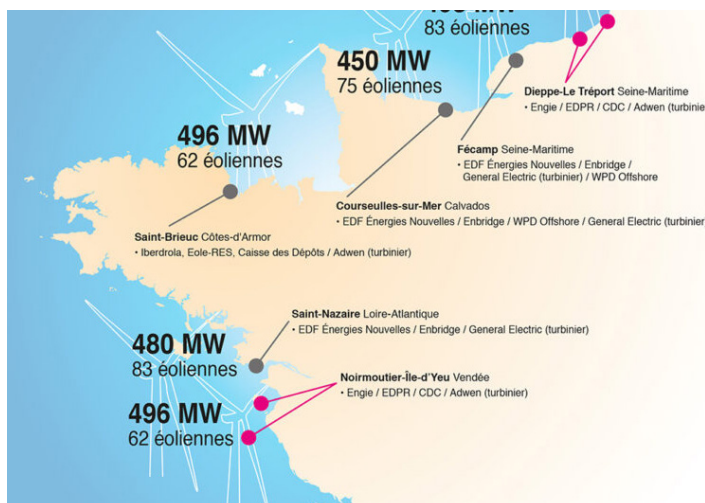
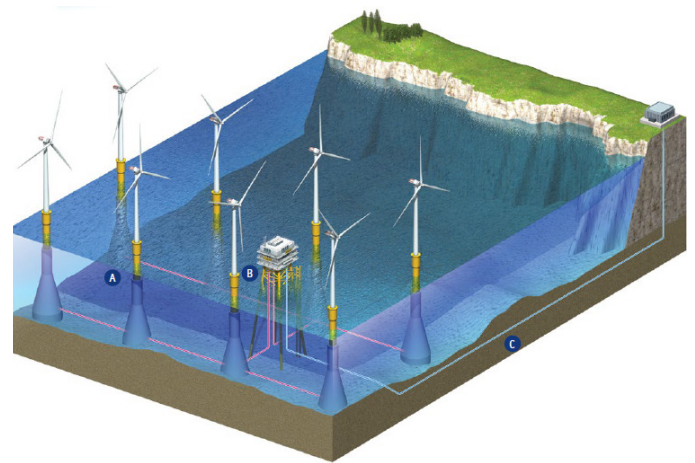
May 2021



## OPTICAL TRANSITION CABINET 480F

### ENVIRONMENT AND APPLICATION

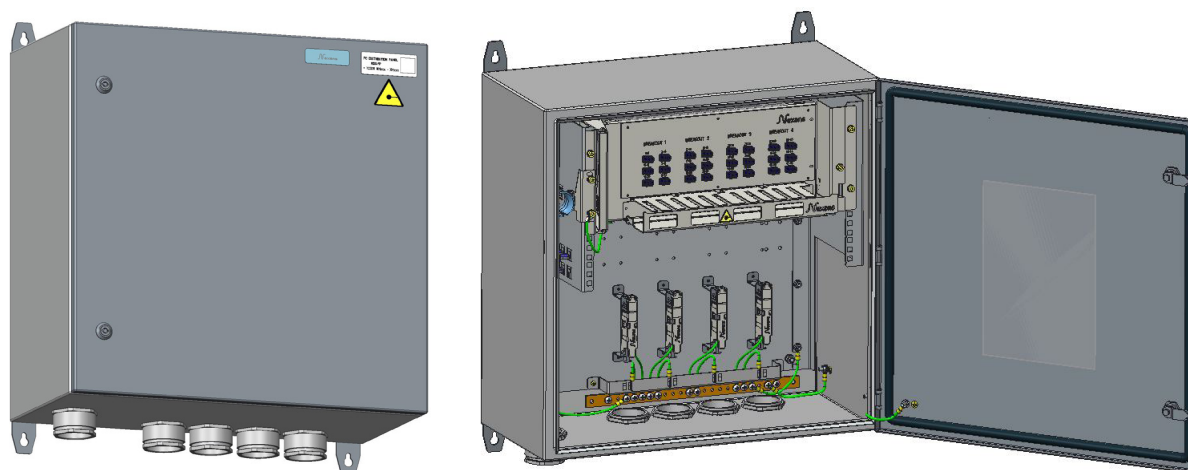
Nexans has the expertise to outfit large offshore wind turbines, interconnect them in complete windfarms, and link them to distant or local grids. Offshore wind is one of the more powerful sources of renewable energy. Power fluctuations are minimal due to prevalent ocean wind patterns. And the need for standby generator capacity for peak load servicing is largely eliminated through accurate weather forecasting combined with remote databased control and management. This reduces costs, enhances network stability, and contributes to a more balanced « clean » power supply.



In Europe, and in the future on all continents, offshore wind is playing a crucial role by increasing the share of renewable electricity supplies, which is the target of many countries since the Kyoto Protocol, and recently reinforced by the Paris Protocol during the COP 21. As wind turbines are interconnected together, hybrid cables (power + fibre) are used and terminated in the transition point located at the base of the wind turbine. Such installation is under deployment in French Saint-Nazaire wind farm park.

# PRODUCT DESCRIPTION

The Optical Transition cabinet is designed in 316L stainless steel material. A patching and splicing module is mounted to accommodate up to 48 fibres, and 48 LC-UPC adapters. The design allows to connect up to 4 incoming hybrid cables coming from other turbines and 4 breakout cables, each with 12 fibres. Specific IP66 cables glands for breakout cables and fibre cables are mounted and ready to receive cables.



| Reference | Description                     | Dimensions (mm) | Weight (kg) | Packaging                  |
|-----------|---------------------------------|-----------------|-------------|----------------------------|
| 10265597  | OPTICAL TRANSITION CABINET 48OF | 600 x 600 x 300 | 35          | maritime wood box (NIMP15) |

## MAIN ADVANTAGES

- Designed for harsh and marine environment
- Secure locks
- Compliant with ISO 9001, ISO 14001 and OHSAS 18001
- Delivered fully equipped, with adapters and pigtails mounted and tested, ready for termination.