



AFLOAT REPAIRS



Three Offshore Wind HVDC Platforms Recovered from Corrosion Damage

Overview:

CTS was called upon to provide painting and maintenance services for the top deck of three offshore wind HV transformer platforms located in the North Sea off the coast of Germany. The platforms are situated in a harsh corrosive environment and have become stressed from the heavy workload of container movements. The wear and tear of these conditions mean that they must undergo regular maintenance, including new paint and protective coatings. It is for this reason the client, a major European electricity transmission system operator, entrusted CTS to find a cost-effective solution.

Scope of Works:

- Climate control tent set-up
- High-pressure washing (300 bar)
- Steel thickness test
- Descaling
- Bristle blasting and sanding for rust removal
- Dry film thickness test
- Preparation of steel for paint
- Relative humidity and dewpoint inspection
- Bresle testing
- Painting and protective coating for the deck.

Result:

Despite the stringent travel measures due to the COVID-19 outbreak, CTS was able to quickly assemble a qualified team to complete the works on each platform within the two-month time frame. Each team built a climate-controlled tent around the work area, to ensure the ideal conditions were maintained throughout the descaling, steel preparation and coating process. The client was pleased with the CTS team's competence and attention to detail.

CLIENT: Transmission System Operator

ASSET: HVDC Platform

DATE: May 2020-June 2020

LOCATION: North Sea, Germany

2976
MANHOURS

18
PERSONNEL

2
MONTHS

0
ACCIDENTS

Client Feedback:

"We'd like to thank CTS and their team for a job well done. Effective project management and quick to mobilize even with the constraints of COVID-19. We are very pleased with the standard of work seen these last two months and the professionalism of the team on board."

-Asset Manager