



Coastal Virginia Offshore Wind Farm Development Project Turnkey Solution: Cable Pull, Termination and Testing

PROJECT OVERVIEW

February 2020, Correll was delighted to be awarded a contract by Seaway Offshore Cables (SOC) for the Cable Pull-in and Termination & Testing on the Coastal Virginia Offshore Wind Farm.

Coastal Virginia is located about 43km (27mi) off the coast of Virginia Beach, Virginia, U.S.

The initial phase, a two-turbine 12MW pilot project constructed in 2020, is the second utility scale offshore wind farm operating in the United States (after Block Island Wind Farm).

SCOPE OF WORKS

- Pre-project meetings
- Site visits
- Mock-up trials
- Creation of RAMS
- Project HIRA meetings
- Mobilisation of PPE, tools & test equipment via a 20ft container to the USA
- Post Lay Testing (continuity, insulation resistance, Time Domain Reflectometry and Optical Time Domain Reflectometry).
- **On the offshore assets:**
 - Tower mobilisation and preparation
 - Cable pull-in
 - Installation of temporary hang-off
 - Stripping the export cable to expose HV cores and fibre optical cable
 - Complete the permanent hang-off
 - Route the HV and FO cable into the TP/WTG's
 - Cleat the HV cores from the hang off to the GIS
 - Terminate and splice the FO cable into the cabinet
 - Terminate three power cores into the GIS



Client: Seaway Offshore Cables

Location: Coastal Virginia, Virginia USA

Year: 2020

- Post installation testing from the onshore substation to the offshore asset (VLF, IR, TDR & OTDR)
- Deliver an Inspection and Test Plan of the installed and tested system, forming part of key payment milestone.

Due to unforeseen circumstances, damage occurred to the subsea export cable by a vessel not associated with the project. Correll completed 2 x subsea repairs on the export cable utilising Prysmian subsea joints.

Managing Director Sam Dowey said: *"The award of this contract provided the opportunity to demonstrate a concept Correll were considering for a long time.*

"We were convinced that utilising an integrated team to combine cable-pull and termination and testing activities is a major step forward in improving offshore efficiencies".

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FURTHER INFORMATION

www.correllservices.com/projects or contact: enquiries@correllservices.com