



UTILITY  
SOLUTIONS

# Moray West Offshore Installation

## Offshore HV Installations

**Client:** Moray West

**Project:** MV–HV Cable Installation, Jointing Works,  
Testing & Cable Transit Sealing

**Location:** North Sea

**Completed:** 2025

**Sector:** Offshore Wind Transmission Infrastructure

IES Utilities Group supplied specialist MV–HV cable installation, jointing, termination, testing and sealing works for the Moray West Offshore Wind Farm substations on behalf of Equans.

The scope covered MV/HV cable pulling, routing and cleat installation, the installation of Pfisterer Size 4 MV joints and earthing connections, and HV/MV terminations into 66 kV and 220 kV GIS equipment. Additional responsibilities included supplying and fitting Brattberg cable transit seals, developing MSRAs, ITPs and HV test procedures, and carrying out high-voltage testing to IEC 60840 and IEC 62067.

The offshore environment presented significant challenges, including strict temperature, wind and humidity limits, confined routing within multi-voltage OSP structures, and coordination across several OEMs and contractors, all under extensive DNV, BS, IEC and ENA compliance requirements.

Through structured pre-installation planning, controlled cable installation, OEM-compliant jointing, full HV certification and high-quality QA/QC, the works were completed successfully, delivering fully compliant cable systems designed to support a 25-year offshore asset life.

