

# Hydro Group Successfully Connects MeyGen Tidal Energy Project



Aberdeen-based subsea cable and connector specialist, Hydro Group (represented on Stand B7 during Ocean Business 2017), has completed a contract with technology developer and supplier of tidal turbines, Andritz Hydro Hammerfest (AHH). The agreement saw Hydro Group supply complete connection systems for three turbines on the world's most advanced multi-turbine tidal stream energy development.

This second MeyGen contract followed on from an announcement in November 2015 regarding a contract with Atlantis Resources - 86% owner of MeyGen Limited - for which Hydro Group supplied the complete export connection system for one of the tidal turbines. This most recent contract win saw Hydro Group (contracted by AHH), supply the complete connection system for the remaining three turbines.

As part of phase 1A of the ground-breaking 398MW tidal array project, four submerged turbines, generating 6MW, have been installed in the Pentland Firth, Scotland, with more than GBP50million having been raised to finance the initial stage.

The scope of work involved Hydro Group providing the connection management system and interfacing the export cable up to the nacelle, including the dynamic cable, the in-board connection system and the mechanical loading system, transmitting a power output of 1.5MW at 4.0kV per turbine and incorporating fibre optic links.

The MeyGen project has the potential to provide clean, sustainable, predictable power for 175,000 homes through a network of 269 tidal turbines secured to the seabed, with the first power to the national grid delivered late 2016.

Involved from prototype concept through to design, manufacture and project management, Hydro Group manufactures the complete package including FAT at its facilities in Aberdeen, Scotland; umbilical cables, electrical and optical connection systems/assemblies for data, power and signal transmission.