

DOCTOR FIONA SUSAN STEWART, PHD, FGS.

MISSION STATEMENT

Founding HRSS Ltd has given Fiona Stewart the capacity to complete larger-scale and increasingly challenging projects within O&G and Renewables. Fiona enjoys long-term expertise in HVDC subsea cable projects, hydrographic & archaeological surveys and subsea engineering projects, drawing from an extensive network of industry experts in their completion. Ultimately, Fiona's vision for HRSS Ltd is to establish a permanent, technical project-management team to support clients with those 'quirky' projects, requiring that extra innovation and experience.

CAREER HIGHLIGHTS

**Project Manager within
Foundation Geology Project, a Synthetic Seabed Model for BP UK** **2014-2015**

The model was required to assess boulder identification and distribution in highly overconsolidated geology. Involvement spanned from Pre-Appraise to Concept-Select Phases of the project. Skills included:

- Project management, including costing input
- Management of cross-discipline interfaces (stakeholders, drilling, operations, geotechnical engineers, planners)
- Geophysical knowledge of area, specifically high-latitude shallow quaternary geology

**Lead Project Engineer, Offshore Project Manager within
Drill-Cutting Characterisation Project for BP Norge** **2011-2012**

Drill-cutting mound environmental survey acquired depths of penetration and sample recovery never achieved before. Skills included:

- Environmental and HSE requirements for decommissioning and waste-stream management
- Management of segregation plan of potentially contaminated material
- SIMOPs working and Permit to Work in the vicinity of a live platform in multi-vessel activities
- Co-ordinated the design and implementation of a pilot web-based Geographical Information System, a secure website designed to transfer information between internal (BP) and external stakeholders

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Lead Project Engineer (cable installation and protection), within Valhall Power from Shore (PFS) HVDC Light System for Statnett/BP Norge 2008-2011

Installing and protecting an HVDC Light subsea cable connecting the Valhall complex to the Norwegian Grid, thus reducing emissions at the platforms. Skills included:

- Application of cable installation and protection experience gained from Project NorNed (longest HVDC Light offshore-cable in the world)
- Project management; particularly vessel-operation logistics
- Survey and Cable Protection data acceptance
- Safety Culture and HSSE adherence

Geology and Survey Input within Norned HVDC Interconnector for Statnett SF/ Tennet BV 2006-2008

Installing the largest HVDC interconnector in the world to date (2016).

- Procedure compilation and review
- Technical Specifications review
- Trenching Representatives team lead
- QA/QC engineering alignment sheets and reporting

Technical Representative within UNCLOS Ocean Mapping Project for Norway and Iceland 1999-2002

Completing UNCLOS seismic and bathymetric surveys beyond the EEZ.

- Multi-beam echo-sounder data analysis
- Geodetic specialisms
- Offshore interface between ultimate Client and Contractor

QUALIFICATIONS/EDUCATION:

PhD Quaternary Geology	University of Edinburgh 1991
PgDip Hydrographic Surveying	Plymouth University 1999
Certificate of Scottish Archaeology	University of Aberdeen 2009
BSc Hons (2.1) Physical Geography	University of Aberdeen 1987
25 th Multibeam Sonar Training Course	University New Brunswick 2001
NEBOSH International General Certificate in Occupational Health and Safety	NEBOSH 2013
Current Offshore Survival and Medical / Seaman's Medical Certificates (North Sea)	
RYA VHF Radio Operators Certificate	

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ADDITIONAL INFORMATION:

- Fellow of the Geological Society (London)
- TEKNA Seabed Mapping Group, Committee Member
- PADI Master Scuba Diver and Rescue Diver
- TDI (UK) Advanced Nitrox Diver and Decompression Procedures Diver
- Norwegian - fluent