IMarEST's Exemplar Professional Development Report

Personal Details	
Name	**A.N. Exemplar**
Address	**Aldgate House, 33 Aldgate High Street, London, EC3N 1EN United Kingdom**
Email	**a.n.exemplar@email.com**
Mobile	**01234 987654**

ACADEMIC QUALIFICATIONS

MSc Subsea Engineering, Robert Gordon University, 1999-2002. *Studied part-time as Distance Learning course.*	
BEng (Hons) Mechanical Engineering, Imperial College London, 1990-3. *1st Class Honours.* *CEng accredited degree* – ***Ref. 1186***	
A-levels: 3 A grades (Mathematics, Physics, Chemistry) – 1988-90	

CAREER OVERVIEW – POSITIONS HELD

Current Position: *Principal Installation Manager (Subsea Cables)* - AM Offshore Renewables Ltd: 2007-to date	
Previous Positions: *Pipeline Project Manager within Advanced Technology Group* - Gulf O&G Pipeline Services: 2002-2007	
Area Technical Authority – Pipelines - Westhill O&G Ltd: 1999-2002 *Senior Pipeline Engineer*	
- Westhill O&G Ltd: 1997-1999 *(Graduate) Pipeline Engineer*	
Westhill O&G Ltd: 1993-1997	

CAREER OVERVIEW – INTRODUCTION

More than 17 years of experience working in offshore engineering, primarily focused on subsea cables and pipelines. My career has recently taken me into the offshore renewable industry, having primarily focused on the Oil and Gas sector. Educated to Master's level and extensive management experience both within the UK and in the USA. This report is written as part of my application to transfer to Member (MIMarEST) of the Institute of Marine Engineering, Science and Technology, and to apply for registration as a Chartered Engineer. The report will attempt to demonstrate both technical and leadership skills and responsibilities in line with the requirements set out in the Engineering Council UK-SPEC guidelines. The academic requirement for CEng registration is satisfied by possession of an accredited BEng (Hons) degree. UK-SPEC competencies are identified in the margins against the appropriate evidence within the professional report.

AM Offshore Renewables Ltd: 2007-to date **Principal Installation Manager (Subsea Cables) – North Sea Wind Farm Project**	
Principal responsibility for the installation of subsea cables for the North Sea Wind Farm project. I am responsible for cable installation and construction teams, and supporting contractors. I directly conduct appraisals of team (8 members), and am responsible for overseeing their professional development. Directly mentor two recent graduates involved in the project. I am accountable for actions of contractors within remit, oversee their project involvement and liaise with HR support for the recruiting of staff where necessary. Ultimately responsible for the Health and Safety requirements of all workers and for ensuring that all staff have completed required HSE training. Further subcontractor responsibilities include management of contract scope modifications, and resolutions of scheduling and project variations. Responsible for initial installation of project through to the testing and the signing off of all installation work for subsea cables aspect of project for commissioning. Accountable for project budget worth >£20m annually. Technical responsibilities include being technical authority for the installation project, checking and approving installation designs. Management of safe transportation and handling of cables, inspection and surveying of cables. Liaison for clients and warranty surveyors. Regularly conduct reviews of safety and quality of cable installation. Role requires the ability to coordinate actions between the different facets of the project – from the initial involvement of design engineers, project engineers responsible for the installation, jetting teams, contracted welding and jointing engineers, ROV operators and divers, as well as surveyors.	*B1, B3* *C1, C2, C3* *C4* *E1, E2* *B1* *C1, C2* *A1, A2* *D1, D2* *E2* *B1, C1, C2*
Gulf O&G Pipeline Services: 2002-2007 **Pipeline Project Manager/Advanced Technology Group – Gulf of Mexico**	
Responsible for a feasibility study into deepwater pipeline repair systems and management of pipeline repair, monitoring and maintenance. Required strong understanding of remote diverless, deepwater repair systems – both from a technological perspective, and also the ability to understand the financial and commercial aspects associated with such a project. Responsible for presenting findings and recommendations to directors of company and to external parties, and was heavily involved with Business Development/Acquisitions department in preparing the final commercial proposal. Led team of six permanent engineering staff working on project, plus oversaw the involvement of specialists from other departments co-opted in to advise regarding specific aspects of the study. The feasibility study was a multi-faceted project that required technical expertise in developing ROV based tie-in systems, as well as positioning systems, pipe handling and deployment methodology, pipeline connecting and cutting technology. Although some aspects of the project proved unfeasible due to lack of cooperation between all third parties involved, the core of the study was taken forward and implemented (with myself acting as lead) and a number of patents applied for as a result of the study. I consider the development and awarding of	*B1, B2, B3* *A1, A2* *D1, D2, D3* *C1, C2, C3* *A1* *A2* *B1, B2, B3* *A2*

these patents as the most notable achievement of this project as I led a team in the development of viable new technology and its direct application to the benefit of the company.	
Westhill O&G Ltd: 1993-2002 **Area Technical Authority – Pipelines: 1999-2002** Technical authority for all North Sea upstream assets operated out of Aberdeen. I was responsible for technical assurance and held responsibility for maintaining and promoting legislative compliance with necessary codes, regulations and standards. This included monitoring against the existing safety and performance standards in place, and also for ensuring that the company was well-placed to demonstrate compliance with standards that were in development and implemented throughout this period. Supported HSE audits and independent verification bodies to ensure compliance. Achieved notable success in adapting business to new legislation and in implementing more thorough monitoring processes. Provided technical support for rigid and flexible pipelines, and umbilical and safeguarding systems. Contributed to operational risk reviews and assessment and in developing processes to mitigate critical risk. Responsible for technical assessments and support, and for environmental assessment reports. Sat on internal review board with responsibility for scrutinising design submissions for new technological developments and HAZOP analysis. Member of Critical Response Team as pipeline technical specialist. Supported graduate engineers seconded to the department through the company graduate training scheme. Responsible for financial budget management for pipeline operation and maintenance and for provision of adequate contingency plans. Promoted safety within company by delivering seminars and lunch and learn sessions.	*A1, A2* *E1, E2, E3* *C4* *E2* *A1* *E2* *A2, B3* *C1, C4* *A1, A2* *C3, C4* *C1* *E2, C4, D1* *D2, D3*
Senior Pipeline Engineer: 1997-1999 Responsible for pipeline integrity management and support for the maintenance and operation of pipelines. Evaluated risks and identified strategies for the safe inspection and upkeep of all pipelines operated by company in this area. Responsible for pipeline design and installation procedures, inspection records and scheduling, anomaly assessment and general monitoring. Technical support for pigging programmes. Manage team of three support engineers, with responsibility for performance evaluation and appraisal, and identifying areas for training and development. Responsible for management of sub-contractors.	B3 A2, B2 C2, C3
Pipeline Engineer: 1993-1997 Initial 30 months participated in company Graduate Training Scheme. Gained exposure to various departments in company but primarily focused on pipeline engineering. Scheme developed both direct engineering exposure and also core technical expertise and skills for progression as a pipeline engineer. Following the completion of the graduate training, operated in a more autonomous role within the Pipeline engineering team. Achieved high marks throughout graduate	A1, A2 B1, B2

training and identified as an early candidate for promotion and management potential.	

PROFESSIONAL DEVELOPMENT ACTIVITIES	
Professional Membership IMarEST – Affiliate membership (80120321) SUT – Member (3451054)	

Key Professional Development Courses Technical Development Subsea Pipeline Installation Calculations (short course) – Uni. Aberdeen: 1995 Offshore Pipeline Design (short course) – Uni. Robert Gordon: 1997 Corrosion Engineering and Control (short course) – Uni. Aberdeen: 2000 Mechanical Fatigue and Stress Analysis (short course) – Texas A&M University: 2006 Offshore Renewable Energy - Technology (short course) – Cranfield University: 2010	
Safety and Risk Assessment Offshore Safety Induction – Internal Course: 1993 Understanding Process Hazards Analysis (HAZOP, FMEA, etc) – Internal Course: 1997 Safety, Risk and Reliabity Offshore (short course) – Cranfield University: 2009	
Management and Leadership Introduction to Project Management – Internal Course: 1997 Key Performance Planning – Internal Course: 1999 Pipeline Legislation Awareness – Uni. Robert Gordon: 2000 Lead Auditor/ISO9000 training: 2005 Project Management in the Offshore Renewable sector – Uni. Manchester: 2007	
Conferences I have contributed lectures at numerous SUT organised events and a lecture on pipeline repair systems at OTC, Houston: 2006	
Selected Recent Published Papers Exemplar, A. N., 'FMEA methodology and the installation of subsea cables in offshore wind farms', Proceedings of 2010 Forum for Renewable Energy Engineering. Exemplar, A. N., Smith, T., Castro, R., 'Evolving technologies in ROV based tie-in systems', Offshore Pipeline Journal, 2007. Exemplar, A. N., 'Advanced Finite Element Analysis in Deepwater Pipeline Installation', Deep Offshore Technology Conference, 2007.	