

Curriculum Vitae – DNR Glover

Name: David Neil Russell GLOVER

Nationality: British

Profession: Chartered Civil Engineer



Qualifications: Chartered Engineer, M.I.C.E (1982)
Member of Chartered Managers Institute, M.C.M.I.(2007)
Master of Business Administration (1992)
M.Sc. Numerical Analysis of Structures (1977)
B.Sc. (Hons) Civil Engineer (1976)

Experience: Specialist technical expertise in the structural analysis, design, construction and maintenance of offshore oil and gas and renewable energy installations. Broad experience of the contractual, financial and technical management of projects for the design and construction of offshore facilities including substructures, topsides facilities, floating and sub-sea installations. Projects managed cover concept development, FEED, detailed design, construction, installation and in-service phases. Successfully operated in corporate management roles in Kvaerner and British Gas. Able to motivate teams. Excellent oral and written communication skills.

- Independent oil and gas industry and renewable energy consultant (11 years)
- Structures Engineering Manager for Kvaerner Oil and Gas in Perth, W Aus. (1yr);
- British Gas HQ Principal Structural Engineer responsible for the operation of 13 offshore gas platforms (1 year secondment);
- Substructures Engineering Manager, Kvaerner Oil and Gas, Stavanger, Norway (2 year secondment);
- Earl and Wright Manager for support services for operating installations (5 yrs).
- Project Manager for Phillips Petroleum Company Norway Ekofisk Upgrade Project of 8 platforms (circa £800m in 1997);
- Project Manager for the development of world's first large flexible deck to concrete substructure connection for the Norsk Shell Troll Gas platform;
- 33 clients: AIOC, Amerada Hess, Amoco, Arco British, BGC, BHP, BNFL, BP, British Gas Expro., BSP and Partners, CB&I, Chevron, Compact Power, Conoco, ConocoPhillips, ETPM, Hadson Energy, Hydrocarbons UK, Lloyd Warwick International, Marathon Oil, Mobil, Matthews Daniel International, Norsk Hydro, Norsk Shell, Occidental, Phillips Petroleum UK, Phillips Petroleum Norway, Pipeshield, RWE Innogy, Saga Petroleum, Shell Expro., SNC-Lavalin, Statoil, Total, Union Oil and Woodside Petroleum..
- Author of 3 papers.
- 5 patents.
- Offshore Engineering Soc. committee 2000 to date, Chairman '03 - '06 & '09 - '12;
- ICE Maritime Panel member for Offshore Oil and Gas and Marine Renewables
- Chairman if ICE Events Panel 2013 to date

Employment Overview:	Date	Company	Location
	2009 - Date	GMOC Ltd	London and Aberdeen
	2009 - 2009	WorleyParsons Europe & Africa Ltd	London
	2000 - 2009	GMOC Ltd	London and Aberdeen
	1982- 2000	John Brown – Earl & Wright / Earl & Wright/ Kvaerner Earl & Wright / Kvaerner Oil and Gas Ltd./	London, Melbourne, San-Francisco, Perth, Stavanger
	1980-1982	King Wilkinson Ltd.	Newcastle, Aberdeen
	1977- 1980	Halcrow Offshore	London, Cumbria, Glasgow, St Fergus
	1972-1976	County Surveyor, Essex County Council	Chelmsford

Curriculum Vitae – DNR Glover

Notable Achievements:

Designer's Project Manager (SNC Lavalin) – Statoil Bressay Jacket FEED, London 2012. Very short timescale project for a 20,000 tonnes, N Sea, 8 leg, barge launched jacket. The project met the schedule and achieved a high quality and was significantly under budget through selection of an appropriate strategy, effective planning and attention to detail.

Client's Structural Lead (RWE Innogy) – Gwynt y Mor Wind Farm, Swindon, 2010-2011: Oversaw structural design of 168 WTG foundations and 2 transformer platforms. Design review of Pile/TP grouted connection overcame issues encountered on other projects and complied with CA requirements. Patent granted for new modified grout seal.

Senior Project Manager (PSN), ConocoPhillips UK – Judy Additional Wells, Aberdeen, 2005-7: Overall supervision of a project team of CoP, PSN and external specialists, for 8 additional well slots on the Judy platform for £35million. Identified cost effective solutions including novel concepts (FEL1) and selected the optimum solution (FEL2) for an external framed substructure mounted on existing piles.

Project Manager, Phillips Petroleum - Ekofisk Refurbishment Project, Stavanger, Norway 1997: Assumed responsibility for circa £800 million multi-disciplinary project raising bridges and adding wave defences on 8 Ekofisk platforms. The project covered design, offshore surveys, procurement, supervision of onshore construction contracts, offshore installation, hook-up and commissioning. Implemented organisation changes to ensure effective communication that improved performance and achieved the client's and company's schedule, budget and quality objectives.

Substructure Group Manager, Kvaerner Oil and Gas, Stavanger, Norway, 96-98: Established a local offshore substructures design/analysis capability for Kvaerner Oil and Gas. Secured a major long term contract from Phillips Petroleum Company Norway. Recruited staff. Developed training schemes. Established networks with Company offices in London and Aberdeen for transfer of technology, skills and personnel.

Structures Engineering Manager, Kvaerner Earl and Wright/RJ Brown Pty, Perth, W. Australia, 93 -94: With the executive directors set and implemented the Company's strategy for the Australian oil and gas market. Set technical standards, liaised with clients, recruited staff, purchased computer systems, prepared bids and negotiated project terms and conditions. Overall technical supervision of projects to ensure required standards were met within budget costs and schedules. Implemented the Company's quality and safety systems. Liaised with Company's other offices worldwide.

Project Manager, Norsk Shell -Troll Flex Joint Project 88-89: Managed development of an innovative flexible shaft/deck joint. Sub-contractors included rubber bearing manufacturers (French and Dutch), flat jack specialist (UK), materials laboratory (UK) and concrete substructure constructor (Norway). Established subcontract terms, set the technical basis for the work and was responsible for overall technical and commercial supervision. Liaised with Shell's management team and technical experts. The flexible joint was installed within schedule and budget and has performed as intended.

Earl and Wright Operations Support Group (OSG) Manager, 88-93: Managed support services to operating platforms for a several major operators. Projects were often at short notice and were technically complex requiring innovative engineering and management. Established a complimentary Aberdeen operation.

British Gas Exp. & Prod. - HQ Principal Structural Engineer, 87-88: Reported to the BGE&P board of directors. Oversaw all structural aspects of 13 offshore gas installations. Coordinated HQ and Field structural engineering activities. Updated procedures and systems for safe, cost effective operation. Directed development of IT systems for sub sea inspections. Participated in JIPs for Offshore Grouting and Fatigue of Tubular Joints.

Marathon Oil, Brae A Construction, 80-81: Project Engineer for Charlton Leslie at their Tyneside yard constructing a 2000 tonne module for this large N. Sea platform. Controlled a labour force of 200 including skilled tradesmen, project control personnel and engineers. The work was carried out on schedule and under budget.

Curriculum Vitae – DNR Glover

Summary of Projects

GMOC Ltd (Dec 2009 – Date)

- Project Maersk Culzean WHP FEED Project for SNC Lavalin (Oct. '13 to Jan '14);
- Structural Specialist/Lead Engineer for Statoil's Mariner Topside Detailed Design Project for CB&I (Jan. Mar. 2013)
- Project Manager for Statoil's Bressay Jacket FEED Project for SNC Lavalin (Jun '12 –Nov. '12);
- Advice to Loss adjuster on major facilities claims (2011 to 2012);
- Consultant to RWE – Client's structural lead for the Gwynt y Mor Offshore wind farm WTG and Transformer Platforms. Patent for modified grout seal granted (Apr. '10 to Apr. 11)
- Consultant to Lloyd Warwick Int. - Technical assessment for loss adjustment of damaged oil/gas platform (June – Oct. 2010);
- Consultant to ODE - Due diligence/value assessments for 6 UK wind energy offshore transmission platforms (Jan. – March 2010).

WorelyParsons Europe and Africa Ltd (Feb. 2009 – Nov. 2009)

- Company's Corporate Offshore Structures Specialist
- In parallel Lead Structural Engineer for ConocoPhillips Jasmine Project for 3 gas platforms (75-81m w. depth), 2 bridges and brownfield modifications to the Judy platform for the Pre-FEED and FEED.

GMOC Ltd (Sept. 2000- Jan. 2009)

- Consultant to PIPESHIELD for near shore pipeline risk assessment (2008).
- Senior Project Manager for KBR Production Services/PSN, Aberdeen (Aug. '05 to Dec. '07).
 - ConocoPhillips Judy Additional Wells Project – identifying and implementing 4 novel solutions for £35 million extension of the facilities and substructure for 8 additional well;
 - ConocoPhillips – technical/ managerial responsibility for update of Judy platform Safety Case.
 - NW Hutton Decommissioning Project;
- Consultant to PIPESHIELD for the design of N. Sea sub-sea protection structures for Shell (2005);
- Consultant to loss adjusters Matthews Daniel International, (2001-2005):
 - Delay in Start Up (DSU) claim for construction of US power generation plant.
 - DSU claim for W African FPSO project;
 - DSU claim for hydrocarbon refinery plant construction;
 - Technical integrity review of 400km pipeline in SE Asia;
 - DSU Claim for several hundred million Canadian Dollars for Canadian FPSO project;
 - Review of repair options for Dutch platform damaged by vessel impact;
 - Technical review of claim for fire damaged Indian platform, including offshore survey;
 - Technical specification, schedule and cost estimate for replacement of a Peruvian platform;
- Management consultancy to Compact Power Ltd. (waste to energy plant manufacturer) (2000-2001), included review of corporate organisation, development of financial models, preparation of planning permission submissions, knowledge management systems and project management.
- Project development of waste to energy sites.

Kvaerner Oil and Gas/ Kvaerner Earl and Wright/Earl and Wright/ John-Brown Earl and Wright

- Phillips Petroleum Co. - Maureen/Kate re-use Project - Project Engineer/Manager (1999-2000),
- Statoil - Kvitebjørn Substructure Study - Project Manager/Project Engineer (1999)
- Substructures Engineering Manager, Kvaerner Oil and Gas a.s., Stavanger, Norway (1996-8)
 - Phillips Petroleum Co. Norway – SRS Project - Project Manager
 - Phillips Petroleum Co. Norway – Ekofisk Refurbishment Project - Project Manager,
 - Statoil - Theta Vest Development Study using existing GBS - Project Engineer,
 - Phillips Petroleum Company UK – Kate Development Blast Assessments - Project Engineer
 - Phillips Petroleum Company Norway - Ekofisk 2/4H subsidence mitigation studies Project Eng.;
- Amerada Hess - Durward/Dauntless sub-sea manifolds detailed design - Project Structural Eng.;
- Phillips Petroleum Co. Norway - Ekofisk 2/4J jacket detailed design - Project Safety Engineer;
- AIOC - Chirag I Refurbishment Bid/Study - Project Structural Engineer
- Amoco Norway Oil Company – Valhall – Project Engineer, Template Design
- Arco British Limited - Trent and Tyne FEED Study - Project Structural Engineer
- Structures Engineering Manager, Kvaerner Oil and Gas pty., (Perth, WA 1993-4)
 - Woodside Petroleum - Detailed design of facilities for Wanaea and Cossack FPSO;
 - Hadson Energy - Re-certification of Bambra platform;
 - Woodside Petroleum - Design of a retro-fit riser on Woodside's North Rankine "A" platform.
- Woodside Offshore Petroleum - Goodwyn Foundation Fallback Engineering - Project Engineer (1993) (patent filed)

Curriculum Vitae – DNR Glover

- Phillips Petroleum Co. – Ekofisk Jacking Study (Stavanger, 1993) - Project Sub-Structures Engineer.
- Manager of Operations Support Group - supervising support to platforms including (1987-92):
 - BP – Magnus, emergency reanalysis, dynamic spectral fatigue assessment
 - BP - Amethyst , design and field assistance during installation of spool pieces;
 - BP - Thistle Alpha, several crack growth assessments, specification of remedial works and establishment of base line models/re-certification analyses;
 - British Gas - Morecambe Bay/Rough field platforms, 13 baseline models;
 - Hydrocarbons GB – Morecambe Bay CPP1, ESD valve installation studies;
 - Shell Expro - Tern, Fulmar and Auk, re-certification analyses/special studies;
 - Mobil - Beryl Alpha, special studies on deck primary plate girders;
- Norsk Shell – Troll, Project Manager. Responsible for all aspects of development engineering of flexible shaft/deck connections
- Shell Expro. - Gannet, Preliminary Engineering Study.
- Hydrocarbons GB - Morecambe Bay DP6, emergency analysis of following settlement on installation
- Hydrocarbons GB - Morecambe Bay DP8, design of retro-fit system to reduce settlement on installation (patent filed).
- Chevron – Alba - Project Engineer, for Jacket/template concept weight/cost study.
- Shell Expro – Kittiwake Detailed Design - Auditor,
- BP - Magnus re-certification analysis - Project Engineer
- British Gas – 12 month secondment as H.Q. Principle Structural Engineer (1986-7)
- Project Manager for Seismic finite element analyses for the nuclear industry.
- Norske Hydro - Oseberg Phase II - Project Manager for substructure selection study.
- Woodside Petroleum - North Rankine A (San Francisco office, 1985) - Lead Engineer for temporary foundation strengthening detailed design.
- Deputy Manager of Operations Support Group – supervising support engineering including:
 - Chevron’s Ninian Southern - Audit of clients redundancy study;
 - BP’s Magnus - Engineering support/development of innovative Weight Engineering System;
 - Shell Expro’s North Cormorant – offshore survey/recommendations for the installation of additional appurtenances.
 - Norske Hydro Troll field - a concept study for a two part floating tower;
 - H&G/Shell Expro Tern - Design/FE Analysis of 16 cast steel padears
 - Saga, Gulfaks South Development - Cost/engineering study for 2 self floating tower concepts;
 - Norske Hydro Oseberg - Template tolerance study
- B.H.P.- Jabiru Prospect, concept/feasibility study (Melbourne,1984) - Project Engineer B.G.C.
- Rough Storage Project, audit of jacket design - Project Engineer
- B.G.C. - Rough Storage Project, design of sea-fastenings - Project Engineer
- Total - Alwyn NAA, foundation review - Engineer
- Conoco - Victor “J”, platform detailed design - Engineer,
- BP – Magnus – Engineer for installation engineering support and as-installed analysis;
- Statoil – Statpipe – Design engineer.

King Wilkinson:

- BP - Forties Alpha (Aberdeen, 1980) – Offshore survey/design of replacement secondary steelwork
- Occidental – Claymore (Aberdeen, 1980) – Offshore survey
- Marathon Oil - Brae A Gas Compression Module Construction (Tyneside, 1979-80) – Project Engineer

Halcrow Offshore - Engineer on design projects including:

- Design/analysis of four modular jackets for Brazil,
- Shell Expro - Design of fendering systems for Brent condeep platforms;
- Shell Expro - Design of tanker loading facilities for the Fulmar FSU;
- BP - Fatigue analysis of a jack-up barge,
- ETPM - F.E. analysis of concrete sub-sea storage tanks,
- Union Oil’ - F.E. analysis of the sub-sea repair to the leg of Heather “A” platform;
- Shell Expro - F.E. analysis of a crane pedestal for the Dunlin platform.

Alexander Findlay of Motherwell as site engineer on:

- BNFL - Sellafield nuclear reprocessing plant - Site Engineer
- Total - St. Fergus Gas Terminal - Site Engineer

Essex County Council Highways Department – Undergraduate training