

CURRICULUM VITAE

Peter Ostrowski - Structural Engineer

Personal Details

Nationality: British
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Qualifications

1983-87 Thames Polytechnic, London
B. Eng in Mechanical Engineering
Languages - fluent English, Polish, level B1 Norwegian

Professional associations

Member of Offshore Engineering Society

Summary of experience

Over 25 years of experience in the design of offshore structures. I have worked on fixed, floating and subsea structures. I am experienced in greenfield, brownfield mods and platform decommissioning.

Competencies:

- Skilled in structural analysis of jackets, topsides, floating and subsea structures
- Experience with API, NORSOK, ASME and EURO structural design codes
- Skilled in heavy lift rigging, padeye and joint design calculation

Analysis Capability

- Proficient in Staad, GeniE, Ansys, Triflex and Mathcad for manual calculations
- Proficient in Autocad, SpaceClaim, Inventor, NavisWorks
- Analysis - fatigue, HISC, dropped object, VIV, FIV, seismic, lift, transport, load-out, set-down

Detailed Work History/ (www.subc4u.com)

Baker Hughes - Stavanger Jan 2021 - Present (Contractor)

ENI Coral Mozambique

Working in manifold and piping department. Involved in providing follow on engineering support on Coral project by responding to TQs from installation contractor & Company. Analysis of well jumper spools for revised installation criteria. Earthquake response spectrum analysis of manifold piping using Triflex. Spool VIV re-assessment for as-installed condition.

Manifold Structuring

Providing structural input to CAD drafting for structuring of dual header manifold with vertical and horizontal connectors. Global analysis of the structure for lift and in-place using Sesam Genie. Local analysis of the lift trunnions and foundation interface frame level adjustment using manual calculations verified by FE analysis using Ansys.

Stavanger Engineering A/S - Stavanger Mar 2020 - Oct 2020 (Contractor)

Consultancy work on fast track projects

Structural analyst engineer working with Staad, Ansys & SpaceClaim. Responsible for laydown decks design, assessment of 5000psi gooseneck for fatigue, ratcheting, gross distortion & buckling to ASME VIII Div 2 requirements. Global analysis & report of scissor lift 11.5m high with SWL=700kg. Strength assessment of wireline safety frame and lubricator clamp design.

Aker Solutions A/S - Stavanger Jan 2019 - March 2020 (Contractor)

YND Maersk Inspirer

Structural analyst engineer responsible for the design of two WHM bridges and installation aids from the Maersk Inspirer jackup rig. Creating the design concepts to present to the client followed by the detailed analysis in Staad and GeniE and manual design calculations.

Habu Subsea A/S - Stavanger April 2017 - November 2018 (Contractor)

Petrobel Zohr field umbilical backup system

Working as engineering lead drawing hydraulic schematics for various subsea connection configurations for a new subsea HPU to be deployed in the event of umbilical failure.

Shell - Stavanger June 2006 – December 2015 (Contractor)

Stones Development in GOM – FEED & Execution

Structural delivery lead responsible for functional specification within the SURF structural discipline SOW and selection of applicable GOM engineering standards.

Draugen Infill Project – FEED & Execution

Lead SURF structural engineer responsible for the design verification of Rogan South manifold, pump station and the protection structure. HISC fit for service assessment to DNV F112 of the existing termination head compact flange. Site inspections to verify fabrication compliance.

Draugen PWRI

Assigned to assess the produced water piping system for the pressure surge transient. Stress check of the piping using CEASAR II. Derived the reaction at the failed pipe support to establish magnitude of failure load to verify Pipenet simulations.

Linnorm – FEED

Working on the SURF Design Specification. Responsible for identifying the statutory requirements for the offshore facilities including Acts and Regulations and Company DEPs. Review of PLEMS & PLETS design. Assigned as Company representative on wellhead fatigue JIP managed by DNVGL.

Draugen Oil Export Project – Detailed design

Engaged from tender evaluation through to installation. Responsible for design verification. Company rep for model testing at Marintek. FAT & SIT site inspections. Responsible for the qualification of the system to DNV A203. Structural calculation checks for decommissioning of old loading FLP.

Ormen Lange Future Compression - Conceptual study

Front end evaluation various surface concepts with storage capacity, drilling/ work over capability, marine motions, mooring systems, riser restriction, technology maturity, riser systems & suitability for OL, modular vs integrated topsides, fabrication and integration considerations to determine CAPEX.

Draugen Redevelopment Feasibility & Concept Study

Responsible for carbon capture layout concepts and associated assessment of platform structural integrity for increased loading using SESAM. Acting TA2 for Draugen GBS to engage with the PTIL.

VetcoAibel A/S - Oslo/Bergen May 2005 – June 2006 (Contractor)

Statoil Huldra Compression module – Detailed Design

Principal structural engineer responsible for main steel joint design for 900T module.

Statoil Volve Project – Detailed Design

Engaged as principle structural engineer responsible for local design of primary steel of deck extension for the Maersk jackup rig “Inspire”.

CB&I- London April 2003 – May 2005 (Contractor)

Buzzard QU Topsides – Detailed Design

Senior structural engineer responsible for the design of 11500T QU facility primary steel.

Saipem Energy International - Canada April 2002 – April 2003 (Contractor)

Encana Deep Panuke WHP Jacket – Detailed Design

Engaged as a principle structural engineer for the detailed design of the WHP drilling jacket. Responsible for the structural design briefs and jacket fatigue analysis.

Kværner Oil & Gas a.s Oslo Sep 2001 – March 2002 (Contractor)

Shell Troll A Compression Module – Feed Study

Principal structural engineer on feed study for the Troll A 4500T compression module. Responsible for the module primary steel analysis using Genie.

Heerema Nederland B.V Leiden Nov 1999 – Sep 2001 (Contractor)

Balder SSCV Conversion

Responsible for structural conversion specs for the semi-sub crane vessel to DP3 class construction vessel. Assigned to site team at Verolme shipyard to supervise conversion. 15000T load test design.

Kværner Engineering a.s-Oslo Oct 1997 – Oct 1999 (Contractor)

Statoil - Åsgard B Floater - Detailed Design

Engaged as a senior structural engineer on detailed design team for the topsides group. Responsible for the integrated deck primary steel design for in-place and fatigue and outfitting steel.

Kværner John Brown Ltd - London Nov 1996 - Oct 1997 (Contractor)

BP Bruce Phase 2 CR Topsides Detailed Design

Engaged on brownfield topside modifications to tie back new CR platform. Responsible for offshore platform survey. Fatigue assessment of P60 bridge due to worn-out PTFE bridge bearing pads.

Brown & Root Vickers - London Sep 1995 - Aug 1996 (Contractor)

BP ETAP - Jacket Detailed Design

Working in a structural design team as senior structural engineer. Responsible for the jacket template design and the 4500T PDR jacket configuration and boat impact analysis.

Kværner John Brown Ltd - London Nov 1994 - Sep 1995 (Contractor)

Chevron/Conoco Britannia Jacket

Senior structural engineer responsible for the grounded loadout analysis and flexible barge transportation analysis of the 20700T launched jacket.

Kværner Engineering a.s - Oslo Aug 1993 - Nov 1994 (Contractor)

Statoil - Sleipner Vest Topsides Detailed Design

Senior structural engineer working as an engineering design checker on the detailed design of 7800T M11 process module.

Aker Engineering a.s - Oslo Nov 1992 - Aug 1993 (Contractor)

Shell - Troll Gas Gravity Based Structure

Structural engineer responsible for the conceptual design of 6m OD x 32m buoyancy tanks including the support arms, embedment plates and support points to increase buoyancy of the structure.

Earl and Wright - London June 1991 - Sep 1992 (Contractor)

Total - Dunbar Conceptual and Detailed Design

Responsible for the conceptual jacket configuration, lift and upending analysis and detailed design of the underleg docking receptacles.

Brown & Root Vickers - London June 1990 - June 1991 (Contractor)

Amoco CATS - North Everest Jacket Detailed Design

Responsible for jacket appurtenance support design, and in-place analysis. This included building the hydrodynamic model, foundation model and simplified topsides model.

John Brown E&C - London June 1988 - Sep 1990 (staff)

Employed as structural engineer working on jacket numerical analysis.