

Curriculum Vitae

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Date of Birth: 17th April 1960
Nationality: Norwegian

Summary

Senior Project Engineer, Appraisal Engineer and Contract Engineer with 23 years of experience from Norwegian and international oil and gas business within the areas of engineering, construction, project management, contracts, field development planning and economics, business planning, commercial negotiations and litigation. Consultant to Statoil and Norske Shell 1986-1991. Joined Shell in 1991. Worked as Shell International Staff for seven years with postings to Syria and the Netherlands. Returned to Norway in 1998 and spent five years with Fortum Petroleum. Started up as an independent consultant in 2003 after the divestment of Fortum Petroleum to Italian energy group Eni.

Experience

Kirkeby AS, Norway

2003 -

Contract Engineer / Appraisal Engineer

Assignments include:

- Oset water purification plant EPC contract: Assistance with change order requests, final account and subsequent lawsuit. Client: AF Gruppen Norge AS
- Geowave Champion project: Advisory services regarding acceleration and productivity loss claim. Client: Fitjar Mekaniske Verksted AS
- FPSO for Siri field development, Brazil: Assistance with contractual issues related to various fabrication contracts. Client: Teekay Petrojarl Production AS
- Karsto Expansion Project 2005 construction subcontract: Assistance with lawsuit. Client: R&M Industrier AS
- Ormen Lange Onshore Gas Plant construction subcontract: Assistance with cumulative claim and other change order requests, final account and subsequent lawsuit. Client: AF Gruppen Norge AS
- Natural gas infrastructure study: Development of scenarios, alternative technical concepts, cost estimates and economics. Client: Norwegian Ministry of Oil and Energy
- Gjøa field development: Preparation of proposed field operations contract. Direct client: Altra Energy Norge AS. Ultimate client: Gaz de France Norge AS
- Offshore Iceland: Development of scenarios for potential future oil and gas activities. Direct client: Sagex AS. Ultimate client: Iceland's Department of Industry
- Oset water purification plant EPC contract: Advisory services in connection with disputed change orders. Client: AF Spesialprosjekt AS

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- Market Survey System: Development of contents for a web-based system for analysis of contractor/supplier markets within 17 pre-defined market segments. Direct client: Sagex AS. Ultimate client: Shell, ConocoPhillips, Total and ExxonMobil
- Snohvit LNG project construction subcontract: Change order requests (incl. cumulative claim), settlement of claims from suppliers, assistance with lawsuits. Client: AFS-Pihl Group ANS
- Extension of a petrochemical plant, Belgium (EPCM contract): Participated in an investigation task force. Direct client: IRS AS. Ultimate client: A major engineering and construction company
- Karsto Expansion Project 2005: Project review. Client: Eni Norge AS
- Haltenbanken area development proposal. Client: Sagex AS

Fortum Petroleum AS, Norway

1998 - 2003

Commercial Negotiator / Staff Project Engineer, Operations Department

- Responsible for commercial issues related to Fortum's producing assets in Norway
- Fortum's representative to the Asgard Unit, Asgard Transport and Heidrun Unit commercial committees
- Company representative and expert witness in a major arbitration case related to the \$1.5 bn KUP gas plant extension project at Karsto, Norway
- Negotiation leader for the Asgard Unit owners during tie-in negotiations with the Mikkel and Kristin field owners
- Member of an OLF industry work group on guidelines for negotiated 3rd party access to offshore production infrastructure
- Member of an industry work group on guidelines for gas lifting and balancing agreements for Norwegian gas fields
- Fortum's deputy representative to the Asgard Terminal, Asgard Field Development & Operations and GasLed Project technical committees

Nederlandse Aardolie Maatschappij BV, the Netherlands (a Shell/Exxon operating company)

1995 – 1998

Senior Appraisal Engineer, Business Unit Gas Land, Asset North

- Member and deputy leader of the Asset Monitoring and Project Initiation Team
- Participated in the overall optimisation of the exploration, appraisal, development, production and decommissioning activities related to NAMs onshore gas fields in the North Netherlands
- Co-ordinated development of the Asset North 1999-2003 Business Plan; also co-ordinated cost estimating and budget planning for the 1998-2002 overall Business Plan
- Co-ordinated a joint NAM/Gasunie infrastructure optimisation study
- Co-ordinated field development planning, economics and budget proposal for the Anjum Phase II gas development in the North Friesland concession
- Participated in negotiation of the Anjum gas sales agreement with Gasunie
- Acting Section Head Appraisal Engineering for the Business Unit

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Syria Shell Petroleum Development BV, Syria

1993 - 1995

Senior Project Engineer, Gas Projects

- Managed the Omar Phase III gas project, comprising extension and refurbishment a gas treatment and NGL fractionation plant, five gas gathering stations and a gas pipeline network
- Responsible for all project functions, including budget acquisition, EPC tender preparation, bid evaluation and clarification, contract preparation, contract administration, safety, construction supervision, operator training, commissioning and hand-over to Operations
- Resolved warranty claims and managed modification work for other projects

Shell International Petroleum Maatschappij BV, the Netherlands

1993 - 1993

Senior Project Engineer

- Managed conceptual engineering for the Syrian gas project (Omar Phase III) at Global Engineering, London

A/S Norske Shell, Norway

1991 - 1993

Process and Safety Engineer, Troll Project

- Co-ordinated utility systems pre-engineering and plant layout safety studies for the Kollsnes terminal, Troll production system optimisation studies, availability and life cycle cost studies
- Established Quality Management System with EPCM contractor

Norwegian Petroleum Consultants a.s., Norway

1986 - 1991

Safety, Reliability and Process Engineer

- Various study work at clients' offices (Statoil, Shell)

Norwegian Defence Research Establishment, Norway

1985 - 1986

Systems Analyst (Military Service)

- Participated in various defence studies

Education

Norwegian University of Science and Technology, Norway

1980 - 1984

- M.Sc., Marine Engineering Department
- Numerous subsequent training courses within areas such as exploration, production, processing and transportation of oil and gas, project management, economics, business administration, environmental impact assessment, real options analysis, tanker chartering, etc.