

Saiedeh Nikraftar

MBA, MSc. Chem. Eng, A.M.I.ChemE.

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Profile:

Saiedeh has over 20 yrs experience in process engineering in the international oil and gas industry and has occupied Senior Engineer roles on: (i) process and facilities design projects and studies, (ii) flow assurance studies and projects for process plants and flowlines / trunklines / export pipelines both onshore and offshore and (iii) Cost estimation and feasibility studies.

Career History:

2019-Present
Senior Process & Flow
Assurance Engineer

EPConsult Energies

- Baltic Pipe Project Connection to Danish Gas Transmission Network
- Kurdistan Refinery Pre-Feasibility Study
- Cost Estimation of Farzad B Field Development
- Stack Relocation Study for SNC Lavaline using Aspen Flarenet
- Miran Pipeline Cost Estimation

2012-2019
Project Manager,
Technology Development
Engineer

Energy Industries Engineering and Design *(EIED)*

- Study Manager, *Conceptual Study and Scheme Selection for Kish Pipeline*
- Study Manager, *Conceptual and Feasibility study of Kangan PDH plant*
- Engineering Manager, *Conceptual Study of Kian Petrochemical Complex*
- Project Manager, *Feasibility Study of Bandar Abbas Heavy Oil Refinery*
- Flare system design for *Arvandan Production Facilities*
- Flare System Design for *Bushehr Petrochemical Complex Feed Sweetening Plant*
- Capital cost estimation for *Karanj Gas Injection Project*

2011 -2012
Senior Process & Flow
Assurance Engineer

Peritus International, UK

- *Nawara Field Development project, Tunisia, Optimisation of gas/condensate gathering system and export pipeline and assessing slugging issues in the lines using PIPESIM & OLGA*
- *Garraf Heavy Crude Evacuation, Iraq, Flow assurance studies*
- *Miran Field Development Conceptual Design, Iraq Thermal-hydraulic modelling of oil and gas gathering pipeline using PIPESIM*
- *CO2 Booster Pump Station Conceptual Design, UK, Conceptual design of a CO2 booster pump station for Lynemouth CCS plant including preparation of PFD, Equipment List and preliminary layout*
- *Rio Tinto CO2 Spur pipeline study, UK, Performed Line sizing and flow assurance study for CO2 spurline from Lynemouth compression station to the North East CCS infrastructure*
- *JOGMEC 2nd Methane Hydrate Production Test study, Japan, Flow assurance study. The study objective is to identify the flow assurance issues associated with the production test system and propose comprehensive and cost-effective solutions to manage those issues*
- *Sea-NG Compressed Natural Gas Shipping Service Pipeline Study, UK, Flow assurance study for CNG pipeline loading and unloading SAL systems*

2009-2011
Senior Process Engineer

EPConsult Energies ,UK

- *Kurdistan International Gas Export Pipeline, Iraq, Thermalhydraulic modelling of gas export pipeline using PIPESIM, spurlines and tie-in design, project cost estimation using EPCostimator.*
- *Heritage Kingfisher Field Development, Uganda Crude oil simulation using PVT data by Hysys-Upstream, PVTsim and Multiflash modules, process simulation of surface facilities using Hysys-Upstream, oil export pipeline and two-phase flowlines process simulation using Pipesys, facilities design using Hysys and corporate programs, conceptual engineering for various oil export schemes and separators' pressures, oil terminal process preliminary design, preparing process flow diagrams, plot plans & Equipment list and Equipment cost estimation.*

- *Petrobaltic B8 Field Development*, Baltic Sea. Crude oil simulation using PVT data by Hysys-Upstream, PVTSim and Multiflash modules, process simulation of facilities on platform using Hysys-Upstream, two-phase flowlines process simulation using Pipesys, facilities design using Hysys and corporate programs, conceptual engineering, preparing process flow diagrams, plot plans & Equipment list and Equipment cost estimation using EPCostimator (EPCConsult's In-house software for cost estimation)
- *Upper Zakum Artificial Islands Project*, Gas dispersion calculation, Gas plume modelling and Oil slick movement study.
- *Technip-Abu Dhabi NASR Phase-I Development* Reliability, Availability and Maintainability Study (RAM) using RAMP
- Developing a tool for cost estimation of onshore & offshore projects. EPCostimator is a cost estimation tool, written using VBA with a user friendly interface.

2007-2008
Process Design Engineer

Foster Wheeler Energy, UK

- *PSR2 Project*, Hydraulic calculation and redesign of flare system after revamp
- *QPCC Project*, Preparation of P&IDs and PFDs from licensors documents ones on
- *QPCC Project*, Development of P&ID preparation checklist
- *QPCC Project*, Flare unit equipment and piping system design

2000-2007
Process Engineer

Energy Industries Engineering and Design (EIED)

Six Compressor Stations Project

1998-1999
Procurement Engineer

Petropars ltd

Procurement Engineer in *South Pars Phase - I Project*

1996-1998
Process Engineer

IPMI

Designing a Paint Mixing Room for an automatic Car paint shop

1994-1996
Process Engineer

Behran Oil Company
Process Engineer

Academic
Qualifications:

Bahar Business School
MBA (2017-2018)
Sharif University of Technology, Tehran, Iran
M.SC. IN CHEMICAL ENGINEERING (1994-1996)
B.SC. IN CHEMICAL ENGINEERING (1990-1994)

Awards and Honours:

- Ranked 1st in University Entrance Examination, Iran, 1990
- Ranked 1st in Chemical Engineering Undergraduates, Sharif University, 1994
- Ranked 1st in Chemical Engineering Graduates, Sharif University, 1997

Computer Skills:

- Microsoft Office
- Simulation software: Aspen Hysys, Flarenet, Pipesim
- Computer programming: VBA

Personal Details:

Nationality:
Marital Status:

Iranian
Married

Professional
Affiliations:

Member of ICHEME

Referees:

The names and contact information for professional references will be provided on request.