

Sheila Jahanlou

Principal process engineer

Philadelphia, PA - Email me on Indeed: [indeed.com/r/Sheila-Jahanlou/733d3e2748d760b6](https://www.indeed.com/r/Sheila-Jahanlou/733d3e2748d760b6)

Obtain a challenging for basic and detail process engineering position or
as a researcher for R&D in field of oil and gas

WORK EXPERIENCE

Principal process engineer

Nargan Engineers and Constructors - Tehrān - April 2007 to Present

EXPERIENCE / WORK

• POSITION

- o Senior process engineer in Sazeh Consultants
- o Head of process group at Tehran Raymand Consultants Engineers & Construction (Branch of Sazeh Consultants Engineers & Construction)
- o Project Engineer in Namvaran Consulting Engineering Company
- o Senior process engineer in Nargan Engineers and Constructors

• EXPERIENCE

O BASIC / DETAIL ENGINEERING

- Project Specialties Leader (PSL) of CO Production Plant in South of Iran
- PSL of Darquain Oil Field in South of Iran
- PSL of PVC Plant in South of Iran
- PSL of Sulfur Recovery (Khangiran) in North of Iran
- PSL of Assalouyeh-Shiraz 16" Gas Condensate Pipeline
- Senior process engineer in Phases 15/16 South Pars (Gas Refinery)
- PSL of Upgrading Esfahan Refinery for the following units

LPG Merox Process Unit / Fresh Caustic Unit (84 & 841)

Sulfur Recovery Units / TGT Unit (79, 99 & 89)

Hydrogen Production Unit / ROG-PSA Unit (77, 97 & 87)

RFCC Naphtha treating Unit (Prime G 82)

Diesel HDS / HDA Unit (66 & 86)

- PSL of revamping of Sepahan Lube oil refinery in Esfahan
- PSL of new Lube oil refinery in Bandar Abbas
- PSL of South Pars gas field development Phase 19 for the following units (Current responsibility)

- = Sulphur recovery producing liquid Sulphur for further solidification and export via a sulphur terminal
- = Utilities, off sites required for operation as the following
- = Polishing water
- = Potable water
- = Sea water intake
- = Desalination water

- = NGL fractionation facilities to produce sour liquid butane and propane
- = Propane storage and export propane manifold
- = Butane storage and export Butane manifold
- = Gaseous ethane cut treatment for CO2 removal and drying for further export
- = =Propane and butane treatment for mercaptan removal and drying for further storage and export via dedicated fiscal metering package and export Jetty
- = Export gas compression to export pipeline pressure and a 42" spur pipeline to transport lean gas to domestic network via fiscal metering
- o PROPOSAL:
 - PSL of Mansori Oil Field Plant in South of Iran (upstream)
 - PSL of Poly Styrene Plant in north of Iran
 - PSL of Cheshmeh Khosh Plant in South of Iran (upstream)

o ENDORSEMENT

- PSL of Azadegan Oil Field Plant Feed Endorsement in South of Iran (upstream)

o ADDITIONAL PROJECTS

- Project Engineer in Namvaran Consulting engineering company for "Basic design and preparation of EPC tender documents Lavan Refinery Revamping and Upgrading Project"

Project manager / engineering manager

Namvaran Consulting Engineering Company - Tehrān - May 2006 to April 2007

Senior process engineer / head of process department(Tehran Raymand)

Sazeh / Tehran Raymand Consultants Engineers & Construction - Tehrān - 1999 to May 2006

Instructor

Chemical Engineering Department of Shiraz University - 1986 to 1999

Domain of expertise: Fluid Mechanics, Heat Transfer and Unit Operation

EDUCATION

Master of Science (major of promotion) in Chemical Engineering

Esfahan Technology University - Eşfehān

1993 to 1996

B.S. of Chemical Engineering in Chemical Engineer

Shiraz University - Shīrāz

1975 to 1980

LINKS

<http://sheilajahanlou@yahoo.com>

ADDITIONAL INFORMATION

SKILLS

- Finalize and contribute in preparing of the following procedures and working instructions for process department:

- o Procedure for PFD Preparation
- o Procedure for P&ID Preparation
- o Procedure for P&ID Design & Engineering Review
- o Procedure for Hazard and operability Studies
- o Procedure for preparation of line list
- o Procedure for preparation of Heat & Material Balance Table
- o Procedure for preparation of Operating Manual
- o Procedure for P&ID Change record forms
- o Working instruction for selection & design of pumps
- o Working instruction for selection & design of compressors
- o Working instruction for selection & design of Pig trap
- o Process design criteria
- o Procedure for Pre-commissioning and Commissioning
- o Depressurizing Calculations
- o Vessels Sizing
- o Thermal rating for air cooler
- o Procedure for drainage philosophy
- o Boil Off Gas Calculation
- o Procedure for P&ID Development
- SOFTWARE
 - o HYSYS, MathCAD, AutoCAD, Flare NET, Pipsim, Excel, PP, Word and Viso, Pipe net, ProII, PVTsim, Olga (basically)
- COMPUTER LANGUAGES
 - o FORTRAN & BASIC