


# Azar Tapdigzade

Baku, Azerbaijan

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## Summary

Engineer with excellent technical, analytical and communication skills combined with strong process engineering and multi-discipline base, demonstrated by experience in conceptual study, feed, detailed design, construction and commissioning of Oil & Gas industry by working for and with Energy Giants such as BP, TOTAL, SOCAR, KBR.

## Experience

### Process Engineer

Global Energy Solutions LLC

Jul 2023 - Present

#### Gas Compression Project/Gas Dehydration & Dew Point Control Unit Projects

- Reviewing/verifying engineering contractor's datasheets, calculations, drawings: PFD, UFD, P&ID.
- Reviewing/accepting Supplier documents: P&IDs, GA drawings, sizing calculations, C&E diagrams.
- Reviewing/updating project documents: C&E diagrams, Control Narratives, process datasheets, utility summary reports, P&IDs, UFDs, PFDs, Line List.
- Simulating, selecting and optimizing gas dehydration and dew point control processes for the client.
- Preparing process documents for proposals such as preliminary PFDs, simulations, equipment list, utility summary and etc.



### Lecturer

Khazar University

Sep 2022 - Present

Creating a dynamic learning environment for students to understand and link science with industry by teaching below subjects:

- Unit Operations
- Process Control
- Separation Process
- Process Design Project and Simulation



### Commissioning Engineer (Process)

bp (seconded)

Oct 2022 - Jul 2023 (10 months)

#### Azeri Central East Project - Commissioning

- Leading team of Commissioning Mechanical, Electrical & Instrument/Control engineers to ensure the safe delivery of Pre-Commissioning and dynamic Commissioning activities of Sand Separation, Sand Binning packages and Sand Separation Distribution lines, providing assistance to commissioning of Glycol Regeneration, Chemical Injection packages, HP/Test/LP Separators.

- Reviewing/verifying relevant leak and blowdown test packs required for the onshore & offshore commissioning programs.



## **Mechanical Completion Engineer**

bp (seconded)

Jul 2021 - Sep 2022 (1 year 3 months)

### **Azeri Central East Project - Construction**

- Responsible for the delivery of all utility and a number of process system packages including Fire Fighting, Fresh Water, Cooling Medium, Diesel, Chemical Injection packages and HP/LP/Test Separators, HP/LP flare drums, HP/LP/Test manifolds.
- Provide technical input to and oversight of Construction Contractor during platform Mechanical Completion program. Participate in system walk-downs across the platform, drive closure of Inspection and Test Records (ITRs), Discipline MC Certificates, MC certificates and punch-list items in accordance with MC Handover skyline.
- Become fully conversant with the BP Omega PIMS completions software system. Provide performance data/reporting of Mechanical Completion progress to project management. Expedite outstanding items preventing MC close-out including materials, punch-lists and engineering-related documentation.



## **Process Engineer**

SOCAR-KBR LLC

Aug 2019 - Jul 2023

### **Absheron EPS - Detailed Design**

### **Absheron Phase 1 - Conceptual Study**

### **Azeri Central East - Detailed Design/Follow On**

### **Slot Addition Gas Expansion - Conceptual Study**

- Responsible for handover of Fuel Gas, Instrument/Plant air and Inert Gas Systems.
- Performing sizing calculations including Air Compressors, PSVs, Vent, KO Drum, Receiver and etc.
- Performing hydraulic calculations including pump sizing, line sizing/isometrics, and pressure drop calculations.
- Reviewing/updating project documents: Instrument datasheets, C&E diagrams, filling process datasheets, utility summary reports, P&IDs, UFDs, PFDs, Line List, Supplier documents, GA drawings, sizing calculations and datasheets.
- Originating and incorporating client's comments on System Operating Guide for Fuel Gas, Instrument/Plant Air and Nitrogen systems.
- Developing Flare Net Model for LP/HP flare header against as-built isometrics.
- Attending in HAZOP, SIL, LOPA meetings and scribing actions.
- Constructing Block & Process Flow Diagrams and Generating Heat & Mass Balance on Hysys for various scenarios, Responsible for updating process related UFD, PFD, P&ID drawings.
- Developing and updating simulations on Hysys for various concept scenarios.
- Creating Material Equipment List and initial plant layout.
- Seconded to bp in July 2021
- Performing hydraulic calculation to check impact of brownfield project on major process lines of Azeri offshore platforms

## Education



### **Baku Higher Oil School**

Bachelor of Engineering - BEng, Chemical Engineering

2014 - 2019



### **Azerbaijan State University of Oil and Industry**

Master of Engineering - MEng, Polymers and Composite Materials

2019 – 2021

## Languages & Computer skills

### **English**

Full Professional Proficiency

### **Azerbaijani**

Native or Bilingual Proficiency

### **Microsoft Office**

Full Professional Proficiency

### **Engineering Softwares:**

**Aspen Hysys/ Flarenet Simulation/ Systools (Line sizing)/ AutoCad**

Full Professional Proficiency