Arash Moosavi

DoB: 1988/4/10
Marital Status: Single
Military Service: Served

✉ arash.moosavi90@gmail.com

📱 (+98)9397128126

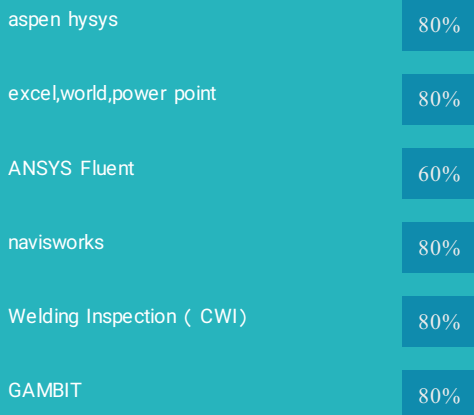## Languages

English

Reading Level	▰▰▰▰▱
Writing Level	▰▰▰▰▱
Speaking Level	▰▰▰▰▱
Listening Level	▰▰▰▰▱

Persian

Reading Level	▰▰▰▰▰
Writing Level	▰▰▰▰▰
Speaking Level	▰▰▰▰▰
Listening Level	▰▰▰▰▰

Skills

Skill	Level
aspen hysys	80%
excel,world,power point	80%
ANSYS Fluent	60%
navisworks	80%
Welding Inspection (CWI)	80%
GAMBIT	80%

Social Network

📷 arash.moosavi90

Work Experiences

▶ Piping & Process Supervisor

Company: SINOPEC ENGINEERING INCORPORATION

From September 2017

Tasks and Achievements

- well knowledge in reading drawings in piping : ISO, P&ID,UFD, Composite Plan.
- strong knowledge in reading and understanding of process Drawings: PFD, P&ID,Process Data Sheet.
- good understanding in reading loop control and instrument in PFD and P&ID.
- responsible for answering Technical Query (TQ) in piping and process discipline and coordinate with design department to close out of TQ.
- Strong knowledge in using Navis (3D-Model) software.
- Checking the AS-Built drawings, matching them with TQs and Hand over them to design department.
- Comparing received ISO drawings with 3D-Model and P&Id to find probable mistakes before execution.
- Pre-welding inspections as per ITP includes Fit-Up dimensional check, Bevel angle, heat No., material identification. Reviewing of calibration certificates for Ovens, welding machines, welder's IDS.
- Reviewing and verifying completeness of piping test packages (Hydro test or pneumatic test) prior to test.
- Ensure all the activities during welding verification are carried out as per ITP, WPS and Job Specification related quality requirements are implemented.
- Prior to pressure test verified all HT equipment of calibration certification and validity.
- To be present during Hydro , Pneumatic and service testing as a witness with client for final acceptance.
- Compiling of quality documents & submission of test packages for client approval and conducting tests.
- Training SEI engineers in the site about received equipment such as Hydrocracker Reactors, distillation towers, surge Drum, different heat exchangers and ... .
- having well knowledge in Process area(CDU,VDU,HCU,HPU,SSU, and ...) and Utility in refinery.

▶ Researching leader

Company: Isfahan Refinery

April 2012 – 2014

Tasks and Achievements

- Building a Microbial fuel cell to treat oily wastewater in refinery with using anaerobic bacteria.
- Decreasing COD and BOD of oily wastewater more than 89% with using anaerobic bacteria in during of this research.

Education

▶ **Master of Chemical Engineering**

Branch: Transport Phenomena
Institute/University: Isfahan University Of Technology(IUT)

2011 – 2014

GPA : 16/79

▶ **Bachelor of Chemical Engineering**

Branch: Gas Industries
Institute/University: Sistan and Baluchestan university

2008 – 2011

Certificates

▶ **aspen hysys**

Institute: Dibagaran

▶ **matlab**

Institute: Dibagaran

Researches

▶ **Application of Single Chamber Microbial Fuel Cell with Annular Configuration in Treatment of Oily Wastewater and Power Generation**

Publisher: ICHEC 2014

Date: February 2014

Description: Wastewater from refineries and petrochemical industry contains oily hydrocarbons which are not separable by physical processes. So far different methods including biological and photo-catalysis methods are suggested for treatment of such oily wastewater. In this paper we are reporting preliminary results of treating a wastewater sample which is obtained from Isfahan Oil refinery Company with 930 mg/lit COD in an annular single chamber microbial fuel cell (ASCMFC) with spiral anode and anaerobic chamber volume of 90 cm3. The activated sludge was collected from Isfahan municipal wastewater treatment plant and used as basis for cultivation of microorganisms used in the cell. The maximum generated power and open circuit voltage obtained at 33 $^\circ$C, and 500 Ω external resistance were about 3.1W/m2 and 572 mV, respectively.

Honors

Accepted in Isfahan university of technology, one of six important university in Iran.

Date: 2011