

Mahsa Asghari

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A Mechanical Engineer with 5 years of experience. Capable of working independently with minimum supervision, and committed to providing high quality service to projects, with focus on Knowledge, Capabilities and issues. Professional, Flexible, and motivated who consistently performs in Specified Objectives.

PROFESSIONAL EXPERIENCE

Energy Industries Engineering & Design (EIED)

Tehran, December 2019 -Present

Rotary & Packaged Equipment Engineer

- Involved in preparing detailed engineering documents of Kangan KPRC HDPE Project for Rotary Equipment including Centrifugal Pumps (API 610 and Non-API), Positive Displacement Pumps (API 676), Controlled Volume Pumps (API 675)
- Involved in preparing detailed engineering documents of Dehloran LLDPE/HDPE/PP Project for Rotary Equipment including Positive Displacement Pumps (API 676), Controlled Volume Pumps (API 675)
- Involved in preparing detailed engineering documents of Tabriz HDPE Project for Rotary Equipment including Controlled Volume Pumps (API 675)
- Involved in preparing detailed engineering documents of Kian Olefin Plant Project including MR, Mechanical DSHs of Centrifugal Pumps acc. to API 610.
- Involved in preparing detailed engineering documents of Kangan Olefin Plant Project for Conveying Equipment including Loading Arm
- Involved in preparing detailed engineering documents of LLDPE /HDPE Kangan Project (Rotary & Reciprocating pumps, Agitators, Inline Heater, Line Mixer, Silencer)
- Involved in preparing detailed engineering documents of Kangan Olefin Project for Special Pumps (Pressure Power Pumps)

Heavy Duty Pumps & Water Turbine Mfg.co (PETCO)

Tehran, June 2019 to December 2019

Mechanical Engineer

- Involved in preparing proposal for centrifugal pumps (API 610 & ISO 5199 & NFPA 20).

EDUCATIONS

TARBIAT MODARES UNIVERSITY– GPA 16.07

Tehran, Iran

- *M.S. in Aerospace Engineering, Aerodynamic Field, April 2019*
Thesis: Numerical investigation the effect of using airfoil suction on the improvement of the performance horizontal wind turbine.

SHAHID MADANI AZARBAIJAN UNIVERSITY – GPA 15.16

Tabriz, Iran

- *B.S. in Mechanical Engineering, Heat & Fluids Field, July 2015*
Thesis: Investigation of environmental conditions on the performance and efficiency of gas power plants.

SKILLS

- Expert in Rotary Equipment including:
 - Centrifugal Pumps (API 610 & Non-API)
 - Positive Displacement Pumps (API 676)
 - Controlled Pumps (API 675)
 - Reciprocating Pumps (API 674)

- Official custom broker with license from the customs of Iran.
- Conversant with the process of importation and exportation from the country's customs.

ESSAY

- *Studying the effect of suction flow control on the aerodynamic performance of the horizontal axis wind turbine based on the numerical solution results of the two-dimensional section (Mechanical Engineering Sharif, Journal paper, 2021)*
- *Numerical investigation of the effect of geometry of holes embedded in rectangular fins on thermal performance (5th National Conference on Mechanical and Aerospace Engineering, Conference paper, 2020)*
- *Numerical investigation of the effects of punched vortex generators on the performance of heat exchangers (5th National Conference on Mechanical and Aerospace Engineering, Conference paper, 2020)*
- *Numerical investigation of the effects of suction power and location on the aerodynamic characteristics of DU93W210LM airfoil (The 18th International Conference of Iranian Aerospace Society, Conference paper, 2019)*

SOFTWARES

- ANSYS-FLUENT
- SOLIDWORKS
- MATLAB Programming
- Microsoft Office

LANGUAGES

- English
- Persian
- Turkish