

# AHMAD MOHAMMAD AI-NAKHLI

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Mechanical Engineer

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## DATE AND PLACE OF BIRTH

August 25, 1985, Madinah, Saudi Arabia

## EDUCATION

B.Sc. Mechanical Engineering  
King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia

## SUMMARY OF EXPERIENCE

### **Major responsibilities include;**

- Design Work of Static, Rotating (Pressure Vessel, Drums, Heat exchangers, pumps, etc.) for Heavy industries, Petrochemical Plants, Refineries & Chemical Plants, by using up-to-date software such as Compress (Pressure Vessel & Heat Exchanger Design Software).
- Conducting failure analysis meetings with the clients (Define the problem, Find the cause of failure, provide the solutions & advise for recommendations).
- Prepare maintenance procedures.
- Preparing quotations with all related technical specification of different types of mechanical seals.
- Providing after sale services.

## SOFTWARE SKILLS & Trainings

**General Software's:** MS office Package, MATLAB Program, 2010 Code of Business.

**Mechanical Design Software's:** Solid Work Program, Mechanical Seal Fundamentals & Aspen Shell and Tube Exchanger.

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## ORGANIZATIONAL EXPERIENCE

**Flowserve Abahsain Co.Ltd, Al-Khobar, Saudi Arabia**  
May.2009 to Feb. 2012

**FLOWSERVE** is a leading manufacturer and aftermarket service provider of comprehensive flow management products and services. Provide solutions to help move, control and protect the flow of materials in critical industries around the world. It has evolved through organic growth and strategic acquisitions.

## Projects portfolio;

### ➤ **Petrorabigh Project:**

**Client:** Rabigh Refining & Petrochemical Company

**Location:** Rabigh, Saudi Arabia

**Responsibilities:** Prepare mechanical drawings & datasheets for mechanical seals units & spare parts. That's include each part specifications, part numbers & prices. Also, refurbish the mechanical seal (dismantling, cleaning, and ordering the spare parts & assembly). In addition of that, prepare the repair contract which contains the equipment order and tag numbers, specifications (type & material codes), repair codes (1, 2 or 3 & their percentage depending on damage level) & repair prices for each code.

### • **YANSAB Project:**

**Client:** Yanbu National Petrochemical Company

**Location:** Yanbu, Saudi Arabia.

**Responsibilities:** Prepare minor & major repair kit datasheets for mechanical seals contain each part description and prices in addition to the material conditions.

## **FLUOR ARABIA LIMITED, Saudi Arabia** **(March. 2012 – Dec. 2019)**

Working as Associate Mechanical Engineer and responsible for handling the static equipment & rotary equipment.

## Projects portfolio;

### ➤ **SADARA Project – Al-Jubail, KSA** (Jan 2012 to Mar 2013)

#### **Project Description:**

Fluor Corporation have awarded the firm a reimbursable engineering, procurement and construction management (EPCM) contract for all of the utilities and offsite at the al-Jubail chemical complex in Saudi Arabia. The new chemicals complex is expected to be the largest single-phase development in the world, with a planned investment of \$20 billion. Ensuring that the utilities, offsite and infrastructure and interconnecting piping arrangements are timely is a vital component of this unprecedented project.

#### **Responsibilities:**

- Prepare Mechanical datasheets of different types of pumps, tanks, Shell and tube exchangers & pressure vessels.
- Preparation of Material Requisitions, Scope of work and Purchase Orders for mechanical related equipments.
- Review vendor offers and prepare Technical Queries.
- Prepare technical bid evaluation and vendor technical clarifications.
- Reviewing Vendor documents and drawings.
- Inter disciplinary coordination.

### ➤ **Baker Hughes Project- Al-Jubail, KSA** (Aug 2013 to Feb 2014)

Front End Engineering Design Project (FEED).

### ➤ **Luberef Project – Yanbu, KSA** (Sep 2014 to July 2015)

### ➤ **Kuwait National Petroleum Company Project, Kuwait** (Dec 2015 to Nov 2016)

Working on the MDR (Matrix Document Register Document) (Dec 2016 to July 2017)

- **CLC Sabic Project** (Sep 2017 to Aug 2018)
- **Halliburton Multichem Project** (Oct 2018 to March 2019)
- **Luberef Project – Yanbu, KSA** (May 2019 to July 2019) **Closeout Activities**
- **Field Engineering - Vendor data turnover coordinator at SADARA Site:**
  - Analyzed spreadsheet data and generated information to help completing the mechanical Turnover Books.
  - Coordination with Home Office, Turnover Dept, QC, Contractors, Client, and Field Engineering for documents that are to be placed in the book, and extracting Hard and Soft Copy information from Punch list Packages.
  - Provide the Vendor Documentation, Redlines, etc., for the MCRB's (Mechanical Completion Record Books)
  - Check vendor's data to confirm that it meets the Client's requirements

### **JACOBSZATE, Saudi Arabia** **(Oct. 2020 – Dec. 2020)**

**Jacobs ZATE** is a provider of professional engineering, construction management, and project management services operating across oil & gas, refining, chemicals, mining and minerals, power and utilities, buildings and infrastructure sectors; with particular focus on supporting Saudi Aramco, Ma'aden, and government clients.

#### **Projects portfolio;**

- **Pipeline Projects,**

Prepare the data sheets & review the vendor documents for Drums.