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# FAHED JAVAID

FJR CONSULTING ENGINEERS

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## EXPERIENCE PROFILE:

- **Civil Design Manager (Power/Industrial facilities)**
  - Responsible for Civil Design & Site Works Management & Coordination
  - Responsible for Design Review for Structures & Foundations.
- **Steel Structural Engineer (Petrochemical/ Onshore facilities)**
  - Analysis & Design of Steel Pipe racks for Dung Quat Oil Refinery, Vietnam.
  - Analysis & Design of Steel Reactor support structure for Dung Quat Oil Refinery, Vietnam.
  - Analysis & Design of Steel Conveyer system for Fertil Plant, Abu Dhabi.
  - Analysis, Design & Preparation of fabrication drawings of Steel Reformer Building for Selas-Linde GHC iron steel factory, Abu Dhabi
- **Steel Structural Engineer (Power/Industrial facilities)**
  - Analysis & Design of Steel Transmission line towers for Thuwal SS project, Saudi Arabia.
  - Analysis & Design Steel Gantry structures for various SS projects.
  - Analysis & Design of Steel sheds for GIL (Gas insulated Transmission line).
- **Structural Engineer (Petrochemical/ Onshore facilities)**
  - Analysis & Design of Oil Tank Foundations & Dyke walls.
  - Analysis & Design of Oil Heaters/ Exchanger foundation for Dung Quat Oil Refinery, Vietnam & Bosicar Oil Refinery, Pakistan
  - 3D modeling of equipment foundations using PDS modeling system.
- **Structural Engineer (Power/industrial facilities)**
  - Dynamic Analysis & Design of GTG foundations for Power Plants, Saudi Arabia.
  - Analysis & Design of Power plant buildings & Transformer Foundations for Power Plants & SS projects, Saudi Arabia.
  - Analysis & Design of Underground water tanks/pumping stations, Saudi Arabia.

## PROJECTS DESCRIPTION:

- **UCH-II POWER PLANT PROJECT** (Baluchistan , Pakistan)
  - Responsible for Civil Design & Site Works Management & Coordination
  - Responsible for Design Underground facilities & Dynamic analysis of equipment foundations.
- **HAIL-2 POWER PLANT PROJECT** (Hail , Saudi Arabia)
  - Responsible for Civil Design & Site Works Management & Coordination
  - Responsible for Design Review for Structures & Foundations.
- **SHAROURAH POWER PLANT PROJECT** (Sharourah , Saudi Arabia)
  - Responsible for Project design coordination.
  - Responsible for the Analysis & Design of Power Plant Buildings.

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- Responsible for Dynamic Analysis & Design of Gas Turbine Generator (GTG) Foundation on SAP 2000 & STAAD PRO 2007.
  - Responsible for the Pile and on grade foundation Analysis and design.
  - Responsible for the Analysis & Design of Tank Foundations.
  - **MAKKAH WEST 380/110/13.8 kV BSP PROJECT** (Makkah , Saudi Arabia)
    - Responsible for Project design coordination.
    - Responsible for the Substation buildings analysis & design.
    - Responsible for the Layout and design of underground facilities.
    - Responsible for the analysis & design of Retaining walls systems and roads.
    - Responsible for the design & preparation of Steel fabrication drawings of 380kV Gantry structure.
  - **MADINA SEWAGE TREATMENT PLAT PROJECT** (MADINA, Saudi Arabia)
    - Responsible for Project design coordination.
    - Responsible for the analysis & design of 10'000m<sup>3</sup>, Sludge treatment tanks & underground Pumping Stations.
  - **EMAAR RESORT COVE & BAY LA SUN SUBSTATION PROJECT** (KAEC, Saudi Arabia)
    - Responsible for Project design coordination
    - Responsible for analysis and design of steel gantry structures.
    - Responsible for Analysis & Design of Substation Buildings & Foundations.
  - **THUWAL 380/110/13.8kV SUB STATION PROJECT** (Thuwal, Saudi Arabia)
    - Responsible for Analysis, design & preparation of fabrication drawings of transmission line Towers & Steel Gantry structures.
    - Responsible for Design of Steel equipment Structures & Foundations.
    - Responsible for the underground facilities layout and design.
  - **RABIGH-2 380/110/13.8kV PP PROJECT** (KAEC Rabigh, Saudi Arabia)
    - Responsible for Steel analysis and design of 500 x 2 m long structures for GIL (Gas insulated Line) Equipment.
  - **VIETNAM OIL AND GAS CORPORATION (PETROVIETNAM) DUNG QUAT REFINERY (DQR) PROJECT** (Dung Quat, Vietnam)
    - Responsible for design of Pipe racks, Equipment Supporting structures.
    - Responsible for the Analysis & Design of Equipment foundations (heat exchanger, columns and fuel oil tanks).
    - Development of Excel sheets for foundation design & Steel Structural connection analysis & design.
    - Responsible for 3D modeling and clash checking using PDS (Plant Design system).
  - **FERTIL UREAN PLAT EXPANSION PROJECT** (Abu Dhabi)
    - Responsible for the Analysis and design of Conveyer belt system
    - Responsible for the Analysis and design of Steel main Process building
  - **SEALS LINDE-GHC-EMIRATES IRON STEEL FACTORY PROJECT**
    - Responsible for development of Steel Connection design modules for design of Connections.
    - Responsible for design of Structural Steel Connections for Reformer tower
  - **BOSICAR OIL REFINERY EXPANSION PROJECT** (Karachi, Pakistan)
    - Responsible for Analysis & Design of Equipment (Oil hearts, Exchangers) Support Structures & Foundations.
  - **JACOBS FFBL UREA PLANT EXPANSION PROJECT** (Karachi, Pakistan)
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- Responsible for design of Structural Steel Connections for Main process building, bag house & shelter.
  - Responsible for Checking of fabrication drawings & Tekla Structure model.

#### TRAINING / COURSES:

##### **JGC corporation (Japan)**

- Tekla Structures 14.0  
**Duration:** Feb. 2011 to Mar. 2011

##### **AL-FANAR Co. (Pvt.) Ltd. (Saudi Arabia)**

- PLS-CADD (Power Line System – Computer Aided Design & Drawing  
**Duration:** 09 Jan. 2008 to 05 Feb. 2008

##### **JGC corporation (Japan)**

- PDS (Plan Design System)  
**Duration:** 26 Sep. 2006 to 29 Oct. 2007

#### AFFILIATIONS

- **Pakistan Engineering Council (PEC)**  
(Registration # Civil/25822)

#### COMPUTER SKILLS:

- Structural Analysis Program (SAP-2000 ) (STATICS/DYNAMICS)  
*(Certified: Pakistan Engineering Congress Lahore, Pakistan)*
- Primavera project Planner  
*(Certified: Pakistan Engineering Congress Lahore, Pakistan)*
- Auto CAD -2000  
*(Certified: Pakistan Engineering Congress Lahore, Pakistan)*
- STAAD PRO V8i
- PDS (Plant Design System)

#### ACHIEVEMENTS

- Winner of Performance award for “Dung Quat Oil Refinery Project” Vietnam (2006/07).
- Development & Automation of computer programs for Analysis & Design of all types of steel connections, using visual basic and Open STAAD feature to directly link the STAAD models to excel sheets for connection design.
- Higher Education Commission (HEC) Pakistan Scholar (2006/07)