

## AJIN JEGAN J

### Project Coordinator

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No: 303, Gala, Muscat,

Sultanate of Oman.



### CAREER OBJECTIVE

Dynamic team spirited and Performance driven professional with an extraordinary blend of leadership, business and engineering knowledge. Recognized for keen proven ability to improve the design, increase efficiency and decrease the need for re-engineering. Ability to communicate and motivate the team members to enhance strategic goals and bottom line objectives. Creative problem solving and troubleshooting skills complimented by meticulous and creative detail to drawings and specifications.

### SKILLS DEVELOPED

In pursuance of the Clear focus on Career objective, I developed following skills while working as a Mechanical Engineer:

- 1. Multiple Professional skills** starting with **B.Tech. Mechanical Engineering** then gradually gained **8 years of experience** in Piping and Pipeline Project Planning, Project Execution, Project Control, Material Management, Design, International Codes, Estimation and Maintenance. Good mathematical skills to perform necessary calculations for various engineering applications.
- 2. Commercial Management of Projects** covering Take off Quantities from Drawings, Joint Measurements, Cost control techniques during Post contract, reconciliation, Billings for Client & Sub Contractors/Vendors.
- 3. Site Execution of Projects:** Directly involved in Execution of various piping and pipeline Projects of Seawater desalination plants, Integrated Power and water plant, petro chemical plant and **oil & Gas industry(PDO)**.
- 4. Technical Services for Projects:** Review of Drawings, Technical Submission for Materials, Methods Statements, Quality Control Manual, Safety Manuals, Finalization of Site Mobilization Plans, Determination of Requirements for Manpower, Equipment, Strategic Planning & work Schedules
- 5. Computer Skills** in MS Office, AutoCAD, Primavera P6, Navisworks, Solid works, MathCAD and Abaqus CAE.
- 6. Training**– Provide training to various staff & Workers to enable them to work efficiently & effectively.

### EDUCATION

Bachelor of Engineering: <b>Mechanical Engineering</b>	April 2012
St. Xavier's Catholic College of Engineering, Nagercoil, 7.00 CGPA	
Higher Secondary School: <b>Maths Biology</b>	March 2008
St. Mary's Higher Secondary School, Colachel, 65%	
Secondary School, <b>SSLC</b>	April 2006
St. Mary's Higher Secondary School, Colachel, 67%	

## EMPLOYMENT

### AL THURYA STAR INTERNATIONAL LLC, MUSCAT, SULTANATE OF OMAN

#### Project Coordinator (Dec-2018-Present)

#### Highlights:

- Managed project processes and documents, such as project set up, drawings, material requests, purchase orders, contracts, building permits, change order requests and pricing, RFIs, Progress billing, close out etc.
- Review plant layout drawing, Pipeline alignment sheet, Hydro test Diagram, ISO drawing, P&ID, piping arrangement drawing, pipe support drawings, 3D design and bill of quantity (**BOQ**).
- Involves in activities like metallic and non-metallic pipe installation, pipe support fabrication and installation, valves installation, plumping works, replacement of pipelines, maintenance activities and testing activities.
- Continuously monitoring the project's current progress against contract and duration.
- Prepare and update of daily, weekly, 2 weeks look ahead plan, monthly progress report, reconciliation report, In-country value report (**ICV**) and extension of time (**EOT**).
- To validate the scope of work, prepare and review the equipment and manpower mobilization plan to achieve the project milestone target.
- Follow up the QA/QC team to ensure the quality of the process meets the standards like **ASME B31.3, ISO-14692, SP-1208 & SP-1212**.
- Managed execution team for proper planning and utilization of manpower and resources to achieve the target.
- Liaising and building relationships with client, consultant and sub-contractors.
- Conduct regular site visits, attend and participate in client's Management safety leadership tour (MSLT) and weekly technical meetings.
- Completed piping work projects from the nominal diameter of 1" to 80" which includes shop fabrication, fittings fabrication (elbows, tees and tapping) and field installation.
- Design, fabrication and testing of metallic 2", 4", 10" and 12" **pig launcher, pig receiver** and hydro testing test headers.
- Completed Off-Plot pigging and hydro testing activity for 2", 4", 10" and 12" GRE pipelines for petroleum development of Oman (**PDO**).
- Preparation and getting approval of method of statements.
- Review and approve the invoice and support with payment processing.
- Maintain safe and clean working environment by enforcing procedure, rules and regulation.
- Manage the submittal and closeout process for projects as per the client's procedure.
- Managing the HSE team to ensure the activities are meets the requirement of client's and Oman safety regulations.

#### Projects Accomplished

- On-Plot piping & Off-Plot pipeline works, pigging and testing work for Hanya & Raba Station Development Project  
**EPC Contractor:** L&T Hydrocarbon Engineering  
**Company:** Petroleum Development of Oman-PDO
- UG/AG piping, valves, pipe support works for Duqm Integrated Power and Water Project-36,000 m<sup>3</sup>/day  
**EPC Contractor:** Cobra Tedagua Contracting LLC  
**Consultant:** L&T- Sargent & Lundy Limited
- UG/AG piping, valves, plumping works for Sharqiyah Independent Water Projects-80,000 m<sup>3</sup>/day  
**EPC Contractor:** Doosan Heavy Industries Muscat LLC  
**Consultant:** ILF Consulting Engineers
- Gravity filter A&B pipeline and maintenance work for Sohar Independent Water Plant-250,000 m<sup>3</sup>/day  
**EPC Contractor:** Sohar SWRO (Sea Water Reverse Osmosis) Company LLC  
**Consultant:** Sohar SWRO Construction
- Liwa Plastic Industrial Complex(LPIC)  
**Contractor:** Douglas OHI LLC

**ABDEL HADI AL QAHTANI AND SONS GROUP, JEDDAH, KINGDOM OF SAUDI ARABIA**

**Mechanical Engineer (Dec 2015- Mar 2018)**

**Highlights:**

- Involved in planning, design and construction of industrial equipment's.
- Involved in designing and constructing high duty annealing furnace and zinc furnace.
- Focused on minimizing the cost and time; Maximizing quality, durability and reliability.
- Performed equipment performance analysis to find the actual efficiency of the equipment's.
- Scheduled and conducted weekly, monthly and yearly preventive maintenance.
- Generated 3D models, drawings, bill of materials (BOM) and technical documents.
- Performed failure modes and effect analysis (FMEA) to analyze and develop the failure mode of the equipment.
- Investigated the failure and strength of the mechanical components using finite element analysis (FEA).
- Solving problems in the shop floor by working closely with production people involved in fabrication, machining, assembly and testing areas.
- Assigned with the task of checking the purchase request (PR) made by purchaser and approving the same.
- Conducted a seminar on monthly basis about project plan and status to vice president of the AHQ group.

**Projects Accomplished**

- Design and construction of galvanizing plant
- Construction of Nitrogen gas plant
- Design and development of wire mesh machine and wire drawing machine

**ARP TECHNOLOGIES PVT LTD, CHENNAI, INDIA**

**Design Engineer (Nov 2014-Nov 2015)**

**Highlights:**

- Detail design and failure analysis of piping components like cross over pipe assembly, bellows and expansion joints.
- Performed Finite element analysis for various mechanical components which includes Static stress analysis, Hydrostatic analysis, buckling analysis and Frequency analysis.
- Preparing 3D models with respect to 2D drawings as per client requirements.
- Checking of model such as Geometry check and Free-free run is performed.
- Outputs such as stress, displacements and frequencies are compared with manual calculations.
- Preparing the reports comparing the outputs from FEA package and manual calculations.

**Projects Accomplished**

- **Project:** Design and Optimization of Crossover Pipe Assembly (NTPC Thermal Power Plant-1600 MW)  
**Client: TOSHIBA JSW TURBINE & GENERATOR Pvt. Ltd**
- **Project:** Stress Analysis of Single Bellows Expansion Joints  
**Client: GODREJ & BOYCE MFG. CO. Ltd**
- **Project:** Analysis and Development of Conveyor pulley  
**Client: L&T ECC Division**
- **Project:** Design and Analysis of Chute 4300 HB 56 and HB 44  
**Client: Tecgates Engineering (M) SDN BHD**

**AJ MOULDS, CHENNAI, INDIA**

**Design Engineer (June 2012-Sep 2014)**

- Design and development of various mechanical components. It involves drafting, 3D Modeling, Bill of materials, Cost estimation and Documentation.
- Preparing 3D models with respect to 2D drawings as per client requirements.
- Preparing the technical design reports for clients which includes design calculation and design comparison.

## PERSONAL DETAILS

**Date of Birth** : 22-04-1991  
**Address** : 3/139, Paranamuri, Konamkadu post, Konamkadu, Kanyakumari-629803  
**Sex & Marital Status** : Male, Married  
**Passport No** : K4525803, Valid up to 02-07-2022  
**Nationality** : Indian  
**Email** : [ajinjegan22@gmail.com](mailto:ajinjegan22@gmail.com)  
**Language Known** : English, Tamil, Malayalam, Hindi & Arabic  
**Reference** : Shall be provided if required  
**License** : Indian

**PLACE:** Muscat

**DATE:**

**(AJIN JEGAN J)**