



KAMAL KALADHARAN MECHANICAL ENGINEER



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India



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Personal Statement

Mechanical Engineer with substantial knowledge and Experience on Mechanical Construction and Turn-around Projects, along with Project Controls-Planning and Management Exposure. Looking to secure Mechanical Engineer or similar position to utilize my skills and knowledge and help me to develop it further in a practical environment.

Love to handle awesome responsibilities, good team player and actively contribute to the success of any business I work for.

Professional Experience

2019 - To Date

June

Project Planner / Engineer - Olayan Descon Industrial Company, Jubail - Saudi Arabia

- Handling Pivotal role in Overall Project Management Life cycle from Contract Award till Final Settlement and Project Close Out.
- Participating in Kick-off Meetings to sort out Contractual, Technical, and Physical Site Issues and Concerns of all Stake Holders.
- Identifying the Project Resources and Subcontracting requirements with Construction team and Preparing the Project Budget for Management approval.
- Guiding and Supporting Company Procurement team in Finalizing External resource requirements and Subcontracting Activities, respecting Project Budget.
- Preparing detailed Project Schedule, S-Curve Report and Dashboard for tracking Project performance as per Client requirements.
- Supporting the Project Construction, QHSE Team to resolve bottlenecks, if any, to keep project and deliverables on track and ensuring effective communication.
- General Supervision and Monitoring the day to day site activities and ensure their compliance with Project Standards and Schedule to achieve Project Milestones.
- Updating the Project Schedule, Preparing Daily/Weekly reports, Financial period cost analysis for Project performance analysis & resolve potential risks, if any.
- Cost Estimation of Change Orders and Emergency Works Issued, Identifying their Schedule Impact and Updating the Project Budget Accordingly.
- Recording and Updating the activity Delays, Technical or Site physical bottlenecks to Prepare EOT / Liquidity Damage Claims, as required.
- Liaising with the Client for Final Settlement of the Project and Invoicing the same.
- Verifying and facilitating settlement of all Subcontractor Invoices.

Petro Rabigh - Refinery and Petrochemicals, Turnaround 2020

Preventive maintenance activities on Column, Heat Exchangers, Fin fan Coolers, Vessels and associated Piping. Including Mellapak and Internal tray replacement works on Fractionator, Heat Exchanger replacement, High Pressure Water Jetting works etc.

Saudi Aramco Total Refinery, Train 2 FCC Unit Turnaround 2020

Preventive maintenance activities on FCC Unit Regenerator, Reactor, Furnace, Column, Vessels, Waste Heat Boiler, Heat Exchangers and associated Piping. Regen-Reactor Shell replacement, Catalyst replacement, Transfer line slide valves, bellows overhauling, Furnace ducts replacement etc.

SADAF Petrochemicals, Regenerator - Reactor Revamping 2019

Regenerator and Reactor Internal Trays, Piping, Valves and Shell Replacement works. Including Transfer line, Riser and associated piping modifications.

Saudi Aramco Shell Refinery, OPD2 Turnaround 2019

Preventive maintenance activities on Columns, Vessels, Furnace, Heat Exchanger along with replacement of associated Piping, Valves etc. Furnace revamping works, Compressor Overhauling, Fin fans and Exchangers Retubing, Vessel tray replacement works etc.

Software Skills

AVEVA PDMS

PRIMAVERA P6

SAP - MM, PM MODULE

INTERGRAPH CAESAR II

AUTOCAD

SOLID WORKS

MS OFFICE

Awards and Recognition

Certificate of Appreciation from Petro-Rabigh Refinery for Performance and Contributions on FCC Unit 2020 Turn around.

Certificate of Appreciation for Performance Excellence and Safety Contribution on SASREF OPD2 Turn Around, 2019

Certificate of Appreciation for Performance excellence and achieving Project Objectives on Al-Taweelah Alumina Refinery Project 2018.

Bechtel-Petrofac All Star Safety Award for contributions and Upholding Safety Standards of ATA Refinery Project 2018.

2017 - 2019

May - Feb

Jr. Site Engineer - Petron Emirates, Dubai

Jr. Site Engineer on Al Taweelah Alumina Refinery Project of Emirates Global Aluminium under Bechtel-Petrofac Joint Venture

- Day to day management of site, including general supervision and monitoring of site labour force and subcontractor activities.
- Manage, monitor and interpret the contract design documents supplied by client and ensure their proper implementation at site.
- Liaising with the Site construction team, Client Engineers, Site Engineering team to resolve technical and non technical discrepancies to complete assigned tasks.
- Plan the site activities efficiently and organize manpower, equipment's and machinery to meet the targets on schedule.
- General supervision and inspection of Structural, Equipment and Piping system installation and testing for compliance with specifications, standards and practices.
- Provide technical assistance to the construction team whenever required.
- Coordinate with other Engineering disciplines for information and data transfer.
- Ensuring the site activities are performed as per the QHSE requirements.
- Prepare periodic progress reports and submit the same for billing.
- Assisting projects control team in preparation of Look-ahead plans.
- Attending regular client meeting to review the plan and progress.

Core Strengths

- Knowledge on Process piping design activities, sizing and thickness calculation of pipes, pipe support selection and design, stress analysis of piping system.
- Knowledge on design of Pressure vessels, Storage tanks, Stacks etc.
- Familiar with calculation of hydro-test and pneumatic test pressure, testing procedure of piping system and preparation of work packages.
- Familiar with the construction activities of a Process plant with indepth knowledge on Structure, Mechanical and Piping discipline activities of the plant.
- Familiar with Quality Control and Inspection techniques of Piping system and Equipments.
- Sound knowledge of Precommissioning and commissioning activities of a plant.
- Sound knowledge of codes and standards used in Piping and Process equipment design.
- Knowledge on developing P & ID, Piping and Equipment layout, Plot plan. GA drawings, Valve data sheet, preparing Bill of materials etc.
- Strong leadership and problem solving skills with the ability to prioritise work in terms of importance, urgency & significance.
- Highly organized, detail oriented, and conscientious.
- Excellent communication and interpersonal skills.

Education

2016

Process Equipment Design

Indian Institute of Technology Bombay

2016

Piping Engineering

Indian Institute of Technology Bombay

2012 - 2016

Bachelor's degree in Mechanical Engineering

Cochin University of Science and Technology (CGPA: 7.84/10)