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Birthdate: 26.06.1990
Nationality: Indian

Professional Experience

• 06/2017– till date

- **R&D Engineer in SYSTEMAIR S.R.L, MILAN ITALY**
- Analyzed, tested and studied new mechanical design theories, new lines of products/devices and methodologies to make recommendations for the organization.
- Coordinated with the blueprint and manufacturing/production issues of the product design.
- Preparation of technical and commercial specifications of the product.
- Proposing new design solutions from initial concept to prototype to meet the marketing specification.
- Define the testing and adaptation of the products following relevant regulations.
- Lead technical discussions with internal clients and external suppliers/manufacturers.
- Introduce simulation tools to reduce development time & effort.
- Design and evaluate new components with the support of colleague designers to meet required regulation.
- Undertake continuous improvement opportunities for products and/or quality, cost optimization, standardization.
- Take ownership of your projects (coordinate activities, set up and implement action plans, guard deadlines, identify and solve potential bottlenecks, ensure timely communication to all parties involved.).
- Regularly discuss with interim results with my company management.
- Knowledge of the main Standards and Regulations related to chillers and heats pumps: EN 14511, EN 14825, ISO 3744, PED 2014/68/UE, EN 378, 2006/42/CE, Regulation N.811/2013 and N.813/2013, etc.
- Supported project manager to Develop air to water chillers (400 -900 KW) while maintaining quality standards and regular testruns.
- To verify the product compliance with EUROPEAN Eco-design and Ecolabel standards for Air to water and water-to-water units.
- Knowledge of all documents and procedures of Eurovent Certification Program LCP-HP.
- Development, prototype & Lab testing of Variable primary flow system in the hydronic circuit of the chiller, therefore, introducing the concept of SMART CHILLERS for the entire range of products.
- Supported project manager with the development of air to water chiller functioning on inverter screw compressors for the range 380 kW to 1260 kW.
- Currently working on the development of Heat pump & chillers working on low GWPi.e. R32
- Worked on various refrigerants such as R134a, R410A, and R513A, etc.
- Worked with designers for the development of product BOM in the ERP module Infor M3.

General Mechanical Engineer in NESMA AND PARTNERS, AL JUBAIL , SAUDI ARABIA

- Planning and execution of fabrication works, painting and delivery to site for installation.
- Assisting Senior Planning engineer for preparation of Base Line Schedule and project Activities.
- Preparation of Quantity reports for Variation orders, cost estimations, and change in unit rate.
- Verify the progress invoices submitted by the subcontractor.
- Preparation of quantity take-offs to finalize material orders.
- Assisting the contract administrator to deal with the contractual issues.
- Preparation of RFQ's and Scope of Work for Subcontractors.
- Auditing of Subcontractor work onsite.
- Making of filed adjustment on site after approval from the client engineering department
- Coordinate with QC department for the inspection of the work performed by raising an RFI (Request of Inspection)
- Review of all international standards specified in project specifications .e.g. ASME, AWS, and ASTM...etc.
- Study of contract documents, Scope of work and responsibility matrix for a better understanding of inclusions and exclusion of the specified project.
- Preparation and submission of the Method of statement for approval of the client to proceed with work at the site.
- Solving issues incurred during fabrication and installation works by raising a technical query or as per ARAMCO standards.

01/2012– 07/2012

Research Inter in India Institute of technology (IIT-B), MUMBAI , INDIA

- Preparation of Conceptual, Preliminary and Final design.
- Modelling of the approved design in Solid Works as per ASME and ISO Standards.
- Structural Analysis of the Model in Ansys for Failures
- Preparation of Production / Shop /Fabrication drawings
- Preparation of Weld locations and Symbols (Butt /Fillet)
- Solving technical issues during fabrication
- Preparation of As-Built drawing for submission to the client.

Education

2008 – 2012

Bachelors in Mechanical Engineering, Osmania University

- Ranked 1 (Gold Medal)

Software Skills

- MATLAB
- C, C++
- Shark – Unilab
- Coil Designer
- Solid Works
- MS Office
- Gambit / Fluent
- Abacus
- CEASER 2
- PDMS

Languages Known

- English
- Arabic
- Italian
- Hindi
- Urdu
- Telugu

Skills and training

- TeamWork
- Leadership
- Result Oriented
- Multicultural
- Excellent communication
- Good organizational skills