

SURESH KUMAR SUBRAMANI

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CAREER OBJECTIVE

Intend to build a career with innovation and knowledge in the field of engineering with dynamic people in a creative and challenging environment.

Employment Scan

Ingenium EPC Consulting and Services Pvt Ltd. - Chennai

April 2013 to Present.

Designation: CAD Design Engineer

Software Used: Solidwords, Autocad 2020

- Responsible for execution of piping and Mechanical equipment work is technically aligned and in compliance with project scope of work, data sheets, project specifications, client standards, international design codes and bid stage technical queries.
- Ensures technical requirements such as project specifications, data sheets, procedures, etc. developed during EPC fully comply with project requirements.
- Preparation, review, and finalization of techno-commercial bid evaluations for engineering consultant, sub-Contractor, and vendor selections.
- Overall technical coordination with Client, Engineering Consultant, Sub-contractors, Vendors, Inspection Agency, and Internal Construction Team to execute EPC projects.
- Resolving Technical Queries Raised by Vendors, Sub-contractors, and Construction Team.
- Providing clear technical guidance to the vendor / sub-contractor and internal departments to meet project Objectives and milestones.
- Providing clear technical justification and solution to client to resolve the engineering and construction issues.
- Progress monitoring and controlling to scheduled completion of engineering documents.

Portosilo LTD (CONTRACT WORK) - UK

Oct 2012 to April 2013

Designation: Mechanical Design Engineer

Software Used: AUTOCAD 2011, AUTOCAD NAVISWORKS

- Providing drafting, design and manufacturing engineering support across various portfolio global facilities including India based plants
 - 3D Design, Modelling and Detailing reviews of plant layout, production unit, and other plant
 - Applying engineering principles and analytical techniques to establish and continuously improve manufacturing Processes and products
 - Lead Engineer responsible for conducting pre-design review and build sequence validation, BOM validation check.
 - Collaborating with engineering, manufacturing, facility planning, safety, serviceability and product support groups thereby driving continuous improvement and lean manufacturing principles.
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Designation: CAD ENGINEER

Software Used: AUTOCAD 2011, AUTOCAD NAVISWORKS

- To produce AutoCAD drawings and work instructions for the factory to manufacture.
- To produce Detail and GA engineering drawings for pipe work, supports, steelwork,
- Materials handling equipment, chutes, hoppers, conveyors etc
- To produce drawings on AutoCad for pre tender work enquiries.
- Inspect the finished components to ensure that they are correct to specification, as and when required.
- Identify any key draughting issues or problems and inform Engineering Manager or Drawing Office Supervisor.
- Prepare other documentation as required by company procedures for execution of a contract.
- Liaise with site installation personnel as well as on site as contracts.
- To follow company environmental procedures and guidelines.

Flsmidth India Pvt Ltd. - Chennai

Sep 2007 to May 2010

Designation: CAD DESIGN Engineer

Software Used: SolidWorks, AutoCAD 2008, Ms-Office

- Preparation of **Detailed drawing** using both AutoCAD and SolidWorks.
- Model checks are done for every component to **Identify and Rectify errors**.
- Flsmidth Checklist followed while **modelling and detailing** conveyor.
- Preparation of **2D and 3D piping** drawing, piping routing system, Cable routing drawing.
- Preparation of Rubber **Belt conveyor drawing** as per FLS Design.
- Preparation of complete 2D and 3D **conveyor** drawing for raw material handling department.
- Preparation of complete 2D and 3D **Screw Conveyor** and **Sluicing Screw Conveyor** drawing.
- Preparation of 3D drawing **Apron Conveyor, Fluxoslide, KILN and SILO** ❖ Designing and Drafting of Equipment like **Chutes, Bag filter, Fan, Silencer** etc.
- Preparation detail drawings for Hand railing, Ladder, **Steel Structural** Platform.
- Check and provide approval to drawing through the drawing management system (**Documentum Software**)
- Creating **BOM** in assembly drawing as per FLM standard.

Project: ESCC AL SOUKHNA (EGYPT), RAMLIYA II (EGYPT), WNCC WADI EL NILE (EGYPT), AL TAKAMOL (SUDAN), DLELFA, MONG DUONG, AIT BAHA – RAW MEAL SILO AND KILN FEED PROJECT

- Raw material department layout prepared individually for **plant in Egypt**.
- Designing civil structure and machinery components for **Sudan project**. ✓ Preparation of Technical documents and Specifications for **Ramliya II**.

G.E.T Water Solutions Pvt Ltd.,- Chennai.

July 2005 to Sep 2007

Designation: CAD Engineer

Software Used: AutoCAD 2006, 2003

- Designing & Drafting **Sewage Treatment** Plant based on the customer requirement.
 - Preparation of **Equipment Layout**.
 - Preparation of Piping, instrumentation and Process flow diagrams.
 - Preparation of piping drawing for **Pressure vessel** like PSF and ACF.
 - Preparation of **Fabrication Drawing** Like Filter, Clarifier Mechanism, Reactors.
 - Preparation of single line drawing and **electrical drawing**.
 - Frequent **site visit and customer interaction** to obtain dimensional input for the plant layout drawings.
 - Conducting project **approval and review meeting** with customer to finalise the project.
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Designation: CAD Technician

- Preparation of manufacturing drawings of steering systems using CAD Software
- Designing of components using reverse engineering method for NPD (New product design)
- Actively involved and contributed in various steering projects like Steering Electronic Control Unit, Improved steering column, High performance tilt steering column.
- Liaison between customers and the project teams

Key Skills:

Production Management

- ⇒ Preparing drawing schedules / plans; monitoring cost & time over-runs to ensure execution of production process within budget.
- ⇒ Managing timely drawing dispatches and ensuring the achievement of targets efficiency, resources deployment.

Quality Management

- ⇒ Taking part in the activities related to **ISO 9001:2008** standards.
- ⇒ Using Flsmidth **Design Standard** in quality management.
- ⇒ Monitoring quality systems & compliance with pre set company standards; **troubleshooting and maintaining** requisite documents to ensure complete quality processes.

Technical Competencies

- ⇒ Project Management – Design Reviews – Vendor Selection – Planning & Procurement – Cost Estimation & Commercial Finalization – Stores – Logistics.
- ⇒ Got Green belt training in **Six Sigma**
- ⇒ Undergone one week work shop in **Lean Manufacturing**

Software Skills

- ⇒ CSC Certificate in Mechanical **AUTOCAD**.
- ⇒ ACCEL IT academy Certificate in **PRO-E**.
- ⇒ **CATIA V5 R20, Pro-E Wildfire 2, SolidWorks, MS-Project**

Scholastics

- ⇒ **M.sc. Engineering and Management, Coventry university** (Sep 2010 –Sep 2011),United Kingdom.
- ⇒ **B.Tech (Mechanical)** from **Dr. MGR University**, Chennai (Jun 2006 – Dec 2009)
- ⇒ **Diploma in Mechanical Engineering**, Directorate of Technical Education Chennai(Mar 2000 – Apr 2003)

Regards
Suresh Kumar