

ANUPAM RANJAN DUBEY

MECHANICAL ENGINEER

Career summary

A multi skilled professional with over 13 years of experience & track record of consistent success in achievement of engineering project goals. Efficient, organized leader possessing a good team spirit, deadline orientated with success in coordinating efforts within internal-external teams to reach & surpass expectations. Keen to find a challenging & suitable engineering position with an ambitious company that offers opportunities for career development and advancement.

Work Experience (Current)

Pentair Water India (CDR. Noida, U.P. India)

Project Lead – Mechanical Design	April 2018 – Present
Sr. Project Engineer	April 2014 – Mar 2018
Project Engineer	May 2011 – Mar 2014

A 100% subsidiary of Pentair Inc, Pentair Water India is the largest manufacturer and distributor of water management components and systems in India. It has its own unique CDR (Centre for Design & Research) centre at Noida which takes water solution to every industrial, commercial and residential application across India.

Worked in a team for complete design, modeling & Assembly & detailing of specific projects with following responsibilities;

- Study Tender document, coordinate with sales, client, process, manufacturing, E&C teams & clarify project requirement, deliverables, scope of supply and deadlines.
- Managing Projects with redefining scope, scheme finalization (PFD/P&ID), Component Sizing & selection /Operation philosophy, Spec sheets, Conceptual design, Design selection & Validation, Manufacturing & Sourcing documents, Assembly/Testing procedures, Prototyping etc.
- Established various processes to ensure consistent & efficient output of system design team through defining workflow, standardizing formats/templates for drawings. Preparing data sheets for all the Equipment's/Pumps/Valve & Instruments / Created Standard Library & 3D files. Finalizing format for O&M manual, BOM & Cut list etc.
- Conducting Field Trials and in –house test for Alpha/ Beta designs for projects running through rapid product development process. Commissioning Documents, spare part /Tool List, working out Transportation/Lifting preparing worksheets etc.
- Make complete manufacturing package which includes Skid, Assembly & sub assembly drawing, Instrument Hook up drawing, Piping tie-in, Cable routing drawing & detailed GA drawing.
- Lead mechanical design & documentation activities for Pentair standard system offerings for technologies like Reverse osmosis, Ultra- filtration, micro-filtration, ACF/MMF, Water Softeners, and Chemical Dosing etc.
- Calculations for Pressure loss, Pipe size etc. is also done as well as Skid FEA analysis performed based on Static & Lifting conditions.
- Leading Localization/Standardization projects for existing Pentair technologies to be manufactured in other countries.VA/VE is also integral part of such projects.
- Partly supported Service Team for regular system checkups & trouble shooting activities at customer site.
- Skid based Containerized systems conceptualized for various capacity, process conditions, regulatory & other requirements.

Key Skills

AREAS OF EXPERTISE

Industrial Water Filtration System design
Containerized RO system design
Oil & Gas Recovery Systems
Piping Design / Routing
Skid Design for systems
Plant GA Layout
Project Management
Solid works 2017
Autodesk Inventor
SAP R3
Solidworks Flow Simulation (CFD)-Basic
AutoCAD
MS project
Engineering Documentation
ANSYS -Basic

ENGINEERING SKILLS

Concept Design
Modifying designs
Reverse Engineering
Innovative & Creative
Problem Solving

ACEDAMIC QUALIFICATIONS

B.Tech in Mechanical Engineering
Government Engineering College, Jabalpur In
2006

Class X & XII-C.B.S.E
K.V. NO.2 AIR FORCE STATION, MAHARAJPUR
GWALIOR (M.P)

AWARDS & RECOGNITION

2015 **Spot award for performance**
Pentair water India Private Limited

2018 **Patent**
Patent filed for Vacuum Manifold

CONTACT DETAILS

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Achievements:

- Pure Pack Pre –filtration system development for produced water.
- Implemented PUGH, DFMEA, DFA, HAZOP, FEA and CFD in system Design.
- Successfully completed 17 water treatment plant projects of capacities ranging from 30 M³/Hr. to 150 M³/Hr. M³
- Successfully completed 14 water treatment plant projects of capacities ranging from 10 M³/Hr. to 20 M³/Hr.
- Independently designed critical & low space crunched plants like containerized RO systems ranging from 20M M³/Hr. to 40 M³/Hr. & successfully delivered the same on time.
- Involved in Standard RO systems ranging from 250LPH to 10M³/Hr. & successfully completed along with a dedicated Team.

Work Experience (Previous)

Jindal Stainless Ltd. Bilaspur, Haryana. India

Design Engineer

May 2008 – May 2011

Jindal Stainless Ltd. (Architecture Div.) a flagship company of Jindal Group, is an ISO 9002 & ISO 14001 certified company with annual turnover of Rs.3500 crores. The architecture division has two core business; Projects & Retail. The company provides innovatively designed Stainless Steel products & railway Solutions.

- Responsible for New product Development (like Concept design, Detail Drawings, Prototyping & standardization) and continuous product improvement.
- Core Team member for Railway Components & lifestyle products.
- Coordinates projects starting from enquiry/tender to site installation.
- Costing, Planning and Budgeting for Engineering Products & Modular kitchens.
- Leads the team of Design & Development, Assembly line, Quality Control & Site execution.
- Vendor development, negotiation & finalization as an effective team member.
- Jigs and Fixture designing for various engineering products.
- SAP power user and coordinator for sap implementation
- Customer complaints, CAPA, ECN Preparation.

DANTAL HYDRAULICS PVT LTD.MANESAR, Haryana, India

Executive (Design)

Aug 2006 – May 2008

Gurgaon based ISO 9001:2000 Certified CO., THE INDIA leading Manufacturers & Suppliers of Hydraulic Cylinders & Hydraulic Systems for Construction Equipment's, forklift, Injection Molding M/C & other Industrial applications.

- Design of Hydraulic cylinder using 'solid works'
- 3D Modeling, Assembling, Detailing.
- Piston/Gland Design with O-ring sizing.
- Responsible for Design & Development, Assembly & part Drawing.
- Estimation of Product costing
- BOM & ECN generation by using SAP.
- Cost of product calculating raw material, manufacturing cost etc.
- Cost reduction by product re-design intro of new product
- Technical calculations such as Tube Thickness, Factor of Safety, Welding Strength, and Thread length required, Buckling load etc.

PERSONAL SKILLS

- Ability to understand and present others' points of view
- Skilled at analyzing and interpreting information
- Good communication skills when dealing with clients, vendors.
- Having clarity and sound judgment
- Having a natural drive with a loyal, strong, and proactive work ethic
- Creative and innovative, with good design skills.
- Proven motivational and leadership skills
- A team player with an enthusiastic attitude
- Able to work independently without supervision
- Familiar and competent with Microsoft Office Suite programs.

REFERENCES

Mukesh Sharma
Manager Process Technologies
Pentair Water India (CDR) Noida
+91 9871229411

Vivek Tripathi
Manager (Design & Development)
Jindal Stainless Limited Gurgaon
+91 9540080059

PERSONAL DETAILS

Father's name: - Mr. A.K DUBEY
Age (D.O.B.):----13 JULY 1984
Marital Status: ---Married
Nationality: -----INDIAN
Language Proficiency: -- English / Hindi / Bhojpuri
Hobbies: --- General reading, Listening Music
Sports: - Football, Badminton