



PRAVEEN HUKKERI

Goal-oriented professional targeting assignments in **Project Engineering** with an organization of repute.

Location Preference: **Pune / Bangalore**

Summary:

Dedicated and self-motivated mechanical design engineer with over 5 years' experience in the unique and challenging industry. Expertise in developing innovative design to meet customer requirement. Highly diverse experience design of compressor systems and static equipment including 3D CAD modelling, FEA, product drawing, structural design and analysis, Hydraulic and Pneumatic equipment design, Sheet metal and product design. A collaborative team player with track record of delivering multiple concurrent projects in fast paced environment.

Highlights:

- ✓ Launched 6 new product line of single screw compressor units which provides 60% productivity increase and 34% performance benefit over current design. Increased a margin of 26% resulting projected savings would be \$30M over 2 years.
- ✓ Designed compressor unit without oil pump for high pressure application.
- ✓ Awarded with **Exceptional Performance Award** for competency and team building.
- ✓ 6 months of Onsite experience at Vilter Manufacturing LLC, Milwaukee. USA.
- ✓ Submitted Technical Paper on Deriving Perfect Execution thru Vilter Single Screw Compressor Unit Design.

Professional Review:

June -2015 - Senior Engineer – Product Design

Present Emerson Innovation Centre - Pune

Key Functional Areas:

- ✓ Design process includes initial concept and analysis, coordination with drafting team to produce drawing, design calculation, sizing of components, assisting production department with initial product assembly.
- ✓ Developed multi cylinder reciprocating compressor.
- ✓ Created 3-D models and drawings of single Screw and Reciprocating compressor core parts, assemblies, pressure vessel, fabrication assemblies and drawings.
- ✓ Developed large assemblies with Pipe & Tube route; Skid, Frames and Sheet metal.
- ✓ Developed design concepts and presented them to clients, discussed for Pro's and Con's
- ✓ Provided sustaining engineering support for compressor unit design.
- ✓ Created detailed general arrangement drawings, fabrication/machining drawings of compressor with applying GD&T and welding details.
- ✓ Worked on Piping and Instrumentations diagrams (P&ID) for compressor system using AutoCAD.
- ✓ Quality checking of drawings submitted by Engineers.
- ✓ Generating BOM and ensuring correct part list on drawings and in ERP system
- ✓ Releasing final design and drawing to production through PLM & ERP.
- ✓ Monitoring various projects handled by Engineers and draftsman, providing solutions related Technical, Software, sizing and design concepts.
- ✓ Interaction with business unit engineer/ manufacturing persons regarding project status, productions issues, inventory and other manufacturing details
- ✓ Technical discussions with clients / customers for additional changes or requirements

Contact

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IT Skills

Modelling Software:

Autodesk Inventor, CATIA, Cre-O, AutoCAD.

PLM/PDM Systems:

Vault, Smarteam, Windchill

ERP Systems:

BPCS, Axapta

Equipment/Sizing Design:

Compress, Coolselect, Eplan

Micro Soft Office

Core Competencies

Design & Development

New Product Development

Design Calculations

Design Engineering

Quality Control

DFMA

GD&T, Stackup

Management Skills

Project Management

Customer Focus

LEAN Design Activities

Perfect Execution and 6S

Academic Details

2012 - B.E (Mechanical) with 72%

2008 – PUC (12th) with 63%

2006 – SSLC (10th) with 88.96 %

Languages

English

Hindi

Kannada

Personal Details

Date of Birth: 5th June 1990

Passport Number: M5834583

Address: B6 Apartment, Flat No 401
Rahul Nisarga Society
Atul Nagar, Warje
Pune -411058

- ✓ Report Submitting to Program Manager/ Engineering Manager regarding various managing roles including project status, resource planning, workload estimation, resource performance, quality improvement.

March -2013 Design Engineer - Service

May - 2015 Atlas Copco (GECIA) India Ltd. – Pune (Contract)

Key Functional Areas:

- ✓ Product design support by modelling of Crankcase, Crankshaft, Piston, Valves, Cylinder and Liner, Connecting rods, Distance piece with manufacturability.
- ✓ Designed prototype machine of 2/3/4 stage industrial and CNG compressor(BBR) units.
- ✓ Selection of components and fittings to build CNG compressor units which develops pressure range up to 310 bars
- ✓ Submitted fabrication drawings, GA, and Sheetmetal drawings thru Smarteam(PLM).
- ✓ Worked on Sheetmetal Canopies
- ✓ Provided support to Technical Documentation and Electrical Team.

Project Handled:

VSSC/VSMC Product Line Standardization.

- ✓ Executed designing of more than 700 compressor unit assemblies and their fabrication drawings using Autodesk Inventor. These were processed Thru Vault and Axapta (ERP) for Production.
- ✓ Product lines were redesigning to reduce part count, shorter lead time and complexity reduction.
- ✓ Lean engineering concept are applied.
- ✓ Utilised I assembly Technique in the 3D modelling that enables to generates 3D models of any compressor unit within minutes.
- ✓ Scope of the project also involved designing and sizing of pressure vessels sizing, cooler assembly, selection of valves with compact piping and tube routing design.
- ✓ GA drawings, PID drawings, fabrication and manufacturing drawings are created.
- ✓ Recognised by director of BU for exceptional performing in quality of design/drawings and completing task in quick manner.
- ✓ This project resulted lead time reduction of 12 weeks to 8 weeks.

Mobile Refuelling Unit – Variable Inlet Pressure Gas Engine Unit

- ✓ Concept designed to install 3 stage compressors in to container on truck
- ✓ Unit design with to lodge variable inlet pressure.
- ✓ Autodesk Inventor used model Concepts and evaluate Design.
- ✓ Compressor Frame, piping, Receiver heat exchanges are redesign and rearranged to fit in to container
- ✓ Unit design to achieve output pressure of 250 Bars
- ✓ Fabrication and Manufacturing drawings are created and submitted thru PLM (Smarteam) and ERP System (BPCS) to Production.
- ✓ PI&D of System was generated.

Declaration:

Hereby I declare above stated all information are true to my belief & knowledge.

Pune, Maharashtra

Date:

Praveen Hukkeri