

Rohini R

Engineer

New Castle, DE - Email me on Indeed: [indeed.com/r/Rohini-R/44a080c398d3de31](https://www.indeed.com/r/Rohini-R/44a080c398d3de31)

- Progressive five years of professional experience in handling harness related wiring design activities with sound knowledge of wiring harness development catering automotive, aerospace & defence sectors.
- Comprehensive knowledge of Electrical Wiring Interconnect System, system architecture, Electrical Installation, and harness manufacturing processes
- In-depth knowledge of wiring harness design and development as well as electrical schematics.
- Extensive knowledge of electrical and mechanical systems and cable harness design
- Well versed in MIL Spec standards, QMS Procedures, IPC-WHMA-A-620 requirements, 3D CAD, Pro E, and computer aided design tools.
- In-depth knowledge of wiring interconnects, panel boxes, & mechanical assemblies.
- Strong technical knowledge with excellent technical communication skills.

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Engineer

SasMos HET Technologies Limited - Bangalore, Karnataka - August 2012 to April 2015

Bangalore, India (RANE Group of Companies)

SasMos, Incorporated in 2007, is certified with ISO 9001, AS9100, AS9102, and AS9103, is a leading manufacturer of Aerospace, Defence, Marine industry products of cable

Assemblies, wiring harness, panel boxes, and electro-mechanical assemblies.

Expertise:

- Engineering Design, Supply Chain Management& Strategic Sourcing
- Handle responsibilities of designing electrical wire harnesses and optimizing wire harness designs.
- Responsible for providing design data and specifications to support in design modification procedures.
- Assign tasks of verifying product for conformance as well as conduct quality specifications before product release.
- Assigned responsibilities of supporting engineering staff in shop revision requests and developing design specifications.
- Assigned the tasks of developing and maintaining cable routings and installation guidelines.
- Performed responsibilities like writing and raising ECNs, preparing of Bill of Materials, and designing harness layouts.
- Handled responsibilities of analysing wiring and component parts of end product.

- Sourcing & Cost estimation of the components.
- Handled the tasks of preparing engineering documentation under the instructions of senior staff.

PROJECT DETAILS:

1. TATA POWER SED

- MRSAM - Medium Range Surface To Air Missile

Prototype build successfully completed. Designed 67 cable harnesses for Missile Launcher using Microsoft Visio & Auto CAD. Harness designs, Creation of BOM, Costing, Production drawings and customer drawings were prepared along with SAP updation.

2. L & T

● Prototype MRSAM Harnesses

Prototype build successfully completed. 42 harnesses were built for Missile Launcher using Microsoft Visio. Harness designs, Creation of BOM, Costing, Production drawings and customer drawings were prepared along with SAP Updation.

● MSU Harness - BOM Preparation & Costing was done along with SAP Updation using Customer input details.

● Power Panel Unit - On- going design of Mechanical Assembly using Customer input details.

● ML MICA Harness - BOM Preparation & Costing was done along with SAP Updation using Customer input details.

● L70 Gun harness - BOM Preparation & Costing was done along with SAP Updation using Customer input details.

3. Honeywell Aerospace

● Gats - BOM Preparation & Costing was done along with SAP Updation. This is an on-going design.

● Gats-16 Test Bench - BOM Preparation & Costing was done along with SAP Updation.

● CPCS - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation.

● Vector STA - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation.

● B737 Test Cable - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation. This is an on-going design.

● CCA Cable Assembly - This is system integration PCB Assembly Harness which we had supported for Honeywell US. This is an on-going design.

● RTIU ZIF CONNECTOR CCA Assembly -- BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation. This is an on-going design.

● B737 Max ASC Primary PBA Panel & Cable Build - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation. This is an on-going design.

● A350 CPIOM Harness - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation. This is an on-going design.

● COMAC C919 LRU Test Panel - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation. This is an on-going design.

4. Bharat Electronics Limited (BEL)

- ACCS Cable Assembly - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation.
- GCU & SCU - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation. This is an on-going design.
- Lynx U2 Housing Unit - BOM Preparation & Costing was done along with SAP Updation.
- BEL Concentrator - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation. This is an on-going design.
- Communication System Cable Assemblies - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation. This is an on-going design.
- GCS Cable Assemblies - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation. This is an on-going design.
- Ethernet Edge System Cable Assembly - Preparation & Costing was done along with SAP Updation.
- Cable Assembly Receiver Rack - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation.
- Test Jig - On- going design project for Cable Assemblies using Customer input details.
- Shelter - On-going design project for Cable Assemblies for Rafael Defence Systems through BEL Mumbai

5. Centre For Airborne Systems (CABS)

- AWACS Simulator Racks Wiring - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation. This is an on-going design in Production.

6. Aeronautical Development Establishment (ADE)

- Rusthom II - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation. This is an on-going design.
- Lakshya I System Integration - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation.
- Nirbhay Loom Harness - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation. This is an on-going design.

7. UTC Aerospace Systems

- BTR 48393 - Smart Display Unit ATP Cable - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation. This is an on-going design.
- MDCD Video Display - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation. This is an on-going design.
- BOWMU Test Fixture - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation. This is an on-going design.
- WWS Vibration Test Box - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation.
- Test Jack J1 - BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation.
- BTR Series- BOM Preparation, providing alternates for functional components & Costing was done along with SAP Updation. This is an on-going design.

8. Worked on orders and enquiries of major customers like Boeing, Dassault Systems, Hemair, Rockwell Collins, Meggitt PLC, BAE Systems, Elbit Systems, BELL Helicopter USA, HAL, DRDL, Israel Aerospace Industries, Rafael Defense Systems, Thales Aerospace Limited, and VTI Instruments.

Basic Key Result Areas of current job:

- Float RFQ'S for the requirements raised by the customer
- Design & Develop drawings for production of the product
- Preparation of Bill of Materials against drawings
- Identification & Selection of functional components
- Estimation of cost of components & tools
- Direct support to process engineering & manufacturing
- Provide solutions for process hindrances
- Provide alternates for components
- Support for installation/fitting of electrical harnesses
- Closely associated in uploading various datum into SAP
- To identify & monitor implementation of new systems & Technologies for continual improvement
- Documentation

EDUCATION

B.E.

Anna University - Chennai, Tamil Nadu

ADDITIONAL INFORMATION

Technical Skills

Operating Systems; Windows

Programming Language; HTML, C, C++, OOPs, LINUX, Lua, SAP

General; MS Office, AutoCAD, Visio, MATLAB, Verilog, VHDL, PSPICE software

Areas of Interest

Engineering Design, Product Engineering, Supply Chain Management & SAP