

ACCOMPLISHED ENGINEERING TECHNICAL MANAGER

✦ Plant Engineering Lead ✦ Customer Issue, Service & Warranty Management ✦ CAD/ Design Engineering ✦

BE - Automobile offering 15+ years of rich experience in spearheading Engineering Service & Technical Lead, Warranty & Field Issues Management and Design Engineering while working with technically advanced state-of-the-Plants in the Automotive Domain



PROFILE SUMMARY

Expertise in **Product Lifecycle Management** from requirement analysis, concept maturation, Pro-E modeling, designing, assembly & part drawings, design review, release of drawings, change / deviations, proto-builds, testing, QA to pilot production. Pivotal in applying **Innovation/VAVE ideas and DFMEA, Poka-Yoke, Kaizen** & Problem-Solving Techniques for developing commercially feasible, high-quality, defect-free & cost-effective automotive products/components for enhancing company's market position. Skilled at handling multiple priorities & projects and rendering **effective Engineering Technical Lead for Manufacturing Facility.**

Effectively managed CAD Team; technical expertise in utilising computer-aided design techniques/ tools (**Pro-E, Creo**) for **Design & Development of Axles and Brakes for Off Highway Commercial/Off Road Vehicles**, Chassis and Body Designing (3-Wheeler). Supported Testing of Axle Housings, U-Joint Shafts, creating & populating all IND build BOMs, sign-off during vehicle builds and addressing issues during vehicle testing as well as Technical co-ordination with USA/France Design Control Centers for addressing axle issues and design changes as required

Customer-Centric Professional; pivotal in **proposing customized design solutions** as per client's needs, effectively resolving their queries/issues for enhanced customer-satisfaction, repeat & referral business. Led Engineering team Supporting Customers in Proto Builds, **Field Service function management for Warranty Issues of India Customers using IND, USA, France built Double Reduction Axles.** Built healthy customers relations and enhanced Aftermarket Business by helping them get Spare-Parts Sale from all Indian customers.

Gained **relevant International Experience by working along with Product training at AxleTech in USA & France Manufacturing Plants/Head Quarters for 1+ year and Certified Pro-E training at PTC. Results-driven Engineering Leader;** proven talent in directing & managing team functions for accomplishment of organizational goals

AREAS OF IMPACT

SIGNIFICANT ACCOMPLISHMENTS

Project / Program Management
Feasibility Study

Product Lifecycle Management
Engineering Technical Lead

Design, Development & Validation
2D Drawings / 3D Models (Pro-E)

Process & Customer Quality (QC)

Warranty & Field Service Support
Deviation / Change Management

Cost & Resource Optimization

MIS Reports/ Documentation/ PDIR

Design Improvement/ Optimization

BOMs/ Customer & Vendor Liaison

Spare-Parts Sales & Management

Team Management / Trainings

◇ Spearheading end-to-end **Field Service (Service & Warranty) for all India Build Axles (4000S-Military, PRC7545- Reach Stackers, PSC484 - Truck Cranes, HDB- Heavy Duty 2/4/6 Piston Hydraulic Disc Brakes)** & Imported Axles (2000 ISAS- Independent Suspension 4x4 Truck, PSC826 – RT Cranes, PRLC1794- Empty Container Handler Forklift, 5000S-Tarmac Bus); played a key role in successful:

- Launch of 4000S Off Highway Axles (for India military) with S-Cam Brakes.
- **Designing of 4000S Axles for key customers like Daimler, Ashok Leyland, Bharat Forge, Mahindra Defence, Tractors India Ltd.** until Proto builds
- Execution of **VAVE Project (4000S) and attaining a major saving of around 13%** to the product by design optimization, changing assy. process

◇ Pivotal in Hydraulic Disc **Brakes Project Localization;** led the Specification Team in **creating BOMs for India Plant Builds** for customers like Bell Equipment, AxleTech, USA (intercompany); participated in all Supplier Technical Review Meetings during localization

◇ Worked as the **single point of contact for all Indian customers using AxleTech Axles for technical issues**, field service; handled all Engineering Deviation Approvals

◇ Instrumental in setting the process for **Engineering Document Management, viz. Design Change Requests, Engg. Change Orders**, Upgrading BOM, Creating Cross Reference w.r.t Customer P/N, Service Warranty #, CAPA, QRQC/PDCA Reports, PDIR

IT Skills: Creo 4.0, Pro-E, Pro/INTRLINK, Windchill PDM Link, JDE, PDM & ERP Tools



CAREER TIMELINE

Since Nov'2006: AxleTech India Pvt. Ltd. (Meritor Acquisition), Pune as Engineering Technical Manager

As Sr. Design Engineer – PROE Wildfire, Maintenance, JDE
(payroll of Geometric Ltd. (Now HCL Technologies))

As Advance Engineering Manager (payroll of
AxleTech India Pvt. Ltd. (Meritor), Pune)



Jul'12 - Dec'16



As Advance Engineering Manager (Payroll of
M+V Marketing & Sales Pvt. Ltd.)

Key Result Areas:

- ◇ Administering management of **complete Design Activities, handling Specification Team, supporting IND customers for IND Builds & Imported Axles, Deviation Requests, Testing & Validation, Technical Reviews**, Technical Lead for Proto Builds, Warranty & Field Service Support to customers as per company's policies & standards; leading a:
 - Team of 1 Asst. Engineering Manager and 1 Field Service Engineer in supporting Plant and Service Warranty Issues
 - 2-member Quality team who is responsible for Assembly Process Quality & Pre-Delivery Inspections
- ◇ Managing **all the Design Activities**, executing **VAVE Project on 4000 IND builds**; pivotal in:
 - Reviewing Installation & Component Drawings with modifications and drawing release through ECO process
 - Creating DCR in PCCR database by marking-up drawings; Approver for processing ECO for IND affected components
- ◇ Directing the **Specification Activities**: responsible for:
 - Creating/Updating/Reviewing BOMs for IND builds; Populating BOMs in ECO for approval from France Specification Team
 - Marking-up the Specification Sheet for ECO approval on IND Builds
 - Creating/Reviewing SPL for all Axle numbers for IND builds
 - Helping AFM Requests in getting the SPL for phased-out axles by following up with OSH
 - Helping CFT by creating Item numbers in JDE with proper codes in IND/INA branch
- ◇ Providing **Customer Support** and **working as a SPOC for all IND customers for IND built and Imported Axles**; proactively:
 - Participating in meetings and acquiring sign-offs after vehicle builds
 - Addressing issues on the axle during proto testing/field vehicle
 - Helping customer in Maintenance Equipment Tools Trials during vehicle testing by Indian army
 - Ensuring timely Service & Warranty to customers for all IND build axles
- ◇ Facilitating **Training Support; conducting Technical + Service Trainings for Indian Army** as well as Technical Trainings (Online + Classroom + Tear Down) to End-Customers
- ◇ Handling **Deviation Requests for Supplier (Incoming) & Internal (Plant)**; conducting technical discussions with customers for approval on Axle Assy Deviation; interacting with Quality & Design Team on deviations and change the drawing if necessary
- ◇ Participating in **Supplier Technical Review Meeting** for understanding their deviation requests and making them understand the severity of the function of components; performing mark-ups on drawings or review requested deviations on components
- ◇ Rendering **Technical Support to Manufacturing Team during Proto Builds**; interacting with respective Design Control Team in case of any issues during proto builds
- ◇ **Heading Service & Warranty/Customer Quality for all IND build Axles**; investigating field issues under SW & creating 8D reports; supporting IND customers in addressing issues on Warranty & Service Vehicle for Imported Axles
- ◇ Monitoring & **ensuring Assembly Process Quality for all IND build Axles by**:
 - Creating Pre-Delivery Inspection Reports (PDIR) & working as an Approver for all PDIR on all Assy. viz. Steer Drive Axle, Non-Steer Drive Axle, Tandem Axles, Rigid Axles, Hydraulic Disc Brake Assy., Drum Brake Assy.
 - Addressing technical issues faced by customer on vehicle at ZERO km; creating DFMEA, DFA for Pick & Carry Crane Axle

Significant Highlights:

As Engineering Technical Manager

Project Title: Axles of Commercial/Off Road Vehicles

Duration: Since Jan'17- Till Date

- ◇ Played a key role in **complete lifecycle of PSC484 (Hub Reduction Dual Tyre Steer Axles with HDB for Truck Cranes)**; Handled:
 - Application Team by interacting with customer on technical perspective.
 - Design Team for New Product Development; Integration Team to check on hard points of customer machine
 - Specification Team in Building/Publishing Technical BOM in ERP System; drove DFMEA/DFA
 - Proto Build to make it first time right; addressed technical issues during vehicle build & testing
- ◇ Functioned as **Project Lead for PRC7545 (Hub Reduction Axles with Dual Tyre Wet Disc Brakes and SAHR Parking Brake)**; **designed various PRC7545 Axles for customers like Tractors India, Loadstar, Kalmar India, SCA, ZPMC, Hyster Maximal**, until Proto Builds; handled Design Team for releasing the customer drawings
- ◇ Received **Appreciations from colleagues & Sr. management at AxleTech** as well as from Customers like:
 - Appreciation from Ashok Leyland for effectively handling Field Service
 - Appreciation from Loadstar, Kalmar India, Tractors India Ltd., for proactive approach to handle field campaign
 - Appreciation from Loadstar, Mahindra Defence, Bharat Forge for managing Axle Assy. during Proto Builds of Defence Trucks
 - Appreciation from Tadano Escorts Ltd., for timely managing and investigating of the field failures

As Advance Engineering Manager/ As Senior Design Engineer – Creo (On payrolls of M+V Marketing & Sales Pvt. Ltd., Bangalore)

Key Projects Handled:

As Advance Engineering Manager

Project Title: Axles of Commercial/Off Road Vehicles

Duration: Jan'16 - Dec'16

Tools: Pro-E Wildfire 4.0/Creo 2.0, Pro Intralink 9.1, JD Edwards

Client: AxleTech India Pvt. Ltd., Pune

Highlights:

- ◇ Managed 1 Application Engineer & 1 Sr. Design Engineer in **executing Application Approvals for IND customers with the guidance of USA/France**; provided support in areas like Deviations Requests, Application Engineering, Testing, Technical Reviews
- ◇ Conducted **Supplier Tech Review Meetings for localization of components** as well as Bi-Weekly meetings with USA/France to discuss on Application Approvals Status and creating/updating drawings for localized components under deviation
- ◇ Created **Callout BOMs (for drawings)** in JDE and processed it in ECO; led Axle Housing, U-joint Shaft Testing and Analysis
- ◇ Worked as an **approver for Internal Deviation Requests** as well as conducted technical discussion with customer to get approvals for Axles under deviations; handled Supplier Deviation Request Log and secured approvals from respective Design Control Centres

As Senior Design Engineer – Creo

Project Title: Axles of Commercial/Off Road Vehicles

Duration: Jul'12 - Dec'15

Tools: Pro-E Wildfire 4.0/Creo 2.0, Pro Intralink 9.1, JD Edwards

Client: AxleTech International, Oshkosh-US

Highlights:

- ◇ Led a **team of 2 members - Sr. Design Engineer & 1 Design Engineer** for executing a big project of **Wheel Hub and Planetary Assy. Standardization** of more than 300 drawings
- ◇ Participated in Weekly Meetings with USA Commercial Chief Engineer on status report
- ◇ Created Callout BOMs in JDE and populated the same in ECO
- ◇ Played a **key role in FUWA project by creating 3D Models** and 2D Drawings; executed DCRs by updating as per request
- ◇ Followed-up with Engineering/Materials Dept. by processing the ECO till release; managed FEA for Spindles

As Senior Design Engineer – PROE Wildfire (Geometric Software Solutions Ltd. (Now HCL Technologies), Bangalore)

Project Title: Axles of Commercial/Off Road Vehicles

Duration: 5 Years 7 Months

Tools: Pro-E Wildfire 2.0/3.0/4.0, Pro Intralink, Windchill PDM link, JD Edwards

Client: AxleTech International, Troy-US

Highlights:

- ◇ Reported to Engineering Manager; created 3D Models from the given 2D Drawings
- ◇ Worked for **Aftermarket Products viz. Prop Shafts, Axle Shafts, Seals, etc.**; played a key role in:
 - VAE Axle Housing – Cost Reduction; NPD of Steering Levers; FEA for Axle Housings
 - Designing of Integration of Weld Assembly to a Single Cast Component
 - Benchmarking Projects Execution, Supplier Interaction
- ◇ **Gained customer's confidence (during multiple visits to Troy, Mi, USA)** for **Time & Material Project** on Long-Term (160 hrs pm irrespective of workload); received various awards & appreciations like:
 - **2 Kudos Achievement Awards** for delivering high priority jobs with quality work
 - Cash Award of Rs. **10,000** in 2011-12 during my onsite assignment at AxleTech, Oshkosh, WI for successfully delivering 150+ 3D Models & Drawings within 4.5 months
 - **CHAMP Award in 2009-10 for going beyond limits** and extending working hours to deliver within specified time

Commenced career from Feb'05 - Nov'06: Harita TVS Technologies Ltd., as Lead Design Engineer

Project Title: Chassis and Body Designing (3-Wheeler Project)

Duration: 1 Year 10 Months

Client: TVS Motor Company, Research & Development, Hosur

Tool: Pro-E Wildfire 2.0



EDUCATION

BE - Automobile from Malnad College of Engineering, Visveswaraiah Technological University, Karnataka in 2002; Secured 72.4%

Trainings Attended:

- ◇ Training on Creo 1.0, Pro-E Wildfire 2.0, Pro-Mechanica, Windchill PDM Link 9.0 from PTC
- ◇ CAD/CAE from Softpro Software Professional Pvt. Ltd.
- ◇ Modeling, Detailing and Analysing the Components



PERSONAL DETAILS

Languages Known: English, Hindi & Kannada

Address: V-xxx, Jasminium, Magarpatta, Hadapsar, Pune – 411028