

# Abhishek Behera

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**Engineering Professional with 17 years of diverse experience in Mechanical Design and Aerospace Industry. Competent in handling technical leadership and customer facing roles.**

## Technical Skills:

- New Product Development, Testing and Qualification
- Certification & Regulatory requirements
- Aerospace Industry Standards
- Landing Gear systems design
- Propulsion Structures Design
- Aero Engines- Nacelle Structures & Engine Build Up
- Design for Manufacture / Assembly / Serviceability
- Fluid Transfer Management Systems
- Airframe / Aerostructures Design
- Hydraulic & Pneumatic Systems
- ENOVIA
- CATIA V5 / V6
- GD&T
- Unigraphics / NX
- Manufacturing, and Inspection Processes
- Program/Product lifecycle management
- Aerospace Conveyance- Hose Assemblies
- Aircraft Systems Integration & Assembly
- Structural design & Mechanical design.
- FTA/ DPD/ MBD (Model Based Definition)

## Functional Skills:

- Technical Leadership and Project Management
- Creating Qualification Test plan / procedures / reports
- Preparing Techno-commercial Proposals, Compliance matrices, ECMs (Engineering coordination memos)
- Developing and Decomposing TRDs (Technical Requirement Documents)
- People Management- Human relations, Cross-Functional collaboration, and interpersonal skills
- Experience in Airframe, Landing Gears, Propulsion structures, Space Launch Vehicles, Mechanical systems
- Strong communication skills, Strategic thinking, Problem solving & Decision Making
- Involved in vendor development, quality audits and customer audits
- Direct engagement with suppliers, test labs, customers, production, quality, and supply chain
- Diverse work culture experience in global aviation ecosystem
- Extensive engineering experience with Aerospace OEMs- HAL, ISRO, IAF, Indian Navy, Airbus, Boeing, GE, Bombardier, Safran, Honeywell, De Havilland, etc.

## EDUCATION/CERTIFICATION

- Project Management certification from QA Ltd.
- Advanced certification on Aero-Structures from IISc, Bangalore
- Bachelor's degree in Mechanical Engineering

## WORK EXPERIENCE

**Apr'22 - Present     Alpha-Numero (ANTS Global Systems Pvt. Ltd.)**  
**Project Manager / Engineering Lead**

- Leading/Managing engineering projects and technical activities for Mechanical & Structures design.
- Develop & implement project/operational plans aligned with department's objectives, to ensure that the key requirements (business, technical, customer, etc.) are achieved.
- Review activities, plan's execution, make appropriate adjustments, and resolve issues.
- Implement and monitor appropriate KPIs & metrics to ensure performance and productivity.
- Provide periodic updates to senior management in the form of progress reports & project summaries.
- People management: Periodic and Annual reviews, on-going developmental feedback, team building.
- Collaborating with stakeholders, cross-functional teams, suppliers, and customers.
- Resource forecasting, hiring, development & training plan, budget and risks management.
- Engaged in product lifecycle- Requirements review, PDR, CDR and QR (Qualification Review).

**Aug'18 – Mar'22**

**STS Aerospace (SMITHS Group) - Bangalore**

**Technical Manager- Design**

- Leading & managing the Engineering team- Design / R&D activities for India site.
- Build & grow highly proficient engineering teams and capabilities.
- Focal for customers & suppliers for engineering topics and product related queries.
- Actively engage in SRR (Systems Requirements Review), PDRs, CDRs and QRs (Qualification Reviews)
- Strive to provide the best-in-class Fluid Transfer Management solutions for customers.
- PTFE Flexible hoses, Rigid Tubing, Hybrid Flex-Rigid Assemblies, Overhaul & Repair.
- Develop technology strategies and product roadmap for Global industry trends.
- Design, Develop & Qualify customized products for special applications.
- Worked with CEMILAC, DGCA, DGAQA & RCMA for Civil and Defense applications.
- Actively work with customers/suppliers, understand requirements, propose solutions.
- Project Management and People management
- Foster an innovative & collaborative work environment to encourage continuous improvement.

**Key Projects:**

- Development of landing gear and braking system for Airbus Helicopters H-160
- Development of various hydraulic & pneumatic systems for Airbus aircrafts

**Aug'11 – Aug'18**

**BELL Helicopter, TEXTRON- Bangalore**

**Sr. Engineer- Airframe/Propulsion Structures Design**

- Worked on design and integration of Airframe & Systems for different aircraft configurations.
- Test articles, experimental parts, and modification drawings (ECNs/ECRs).
- Coordinate Design Review meetings (PDR, CDR, etc.) and cross functional group meetings.
- Address producibility and procurement issues by providing dispositions.
- Address Engineering Change requests for in-production and in-service aircraft.

**Key Projects:**

- Lightning Strike Zoning Analysis for aircraft.
- Composite Driveshaft Installation and Tailboom redesign.

**June'10 – July'11**

**Goodrich Aerospace- Bangalore (Presently COLLINS AEROSPACE)**

**Design Engineer- Engine Build Up**

- Design & Development of various systems in the Engine Nacelle. e.g., Drain System, Fire Extinguishing System & ECS (Environment Control System), using 3D CAD Modeling/tubing/routing.

**Oct'06 – June'10**

**CADES - Bangalore (Presently AXISCADES)**

**Design Engineer**

- Conversion of a commercial jet into a surveillance aircraft. Structural design and modification to mount AAAU (Active Antenna Array Unit), SATCOM (Satellite Communication) & AAR (Air to Air refueling).
- Design of Casing, Thrust Vectoring Nozzle & Hydraulic systems for Space launch vehicles.
- Design of Assembly Jigs & Fixtures for aircraft assembly, GSE (Ground Support Equipment).

Customers: Embraer, Rolls Royce, HAL, Gulfstream, DRDO

**OVERSEAS WORK EXPERIENCE**

- Fort Worth, Texas-USA
- Montreal, Canada
- Paris, France

**ABOUT ME**

- Self-starter with a Positive attitude, Ethical, Adaptive, Energetic, Team player, Cheerful.
- Competent in leading/building/growing teams and developing inter-personal & business relationships.
- Tech savvy, globetrotter, motorsport enthusiast and a badminton player.