

# **ATCHI RAJU ALLADA**

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## **Profile Summary**

Enthusiastic Mechanical Engineer with 8 years of experience in Product Development & Project Management. Extensive exposure in **Sustenance Engineering projects** which includes **cost out**.

### **Core Strength:**

Project and Product Life cycle management, Product Development, Thermal Analysis, should cost, Stakeholder engagement and CAS, Cost optimization, PLM tools (ECO /ECN process) and DFMEA, Tolerance and stack up analysis, Tear down. Various commodities: Metals, Electro-Mechanical, Electrical experience.

### **Types Projects Executed:**

- NPD: Klondike A&B products.
- Analysis: Thermal Analysis on Hail Product by using Ansys.
- Should Cost: Cost Estimation on different countries by using Apriori.
- Design support for XL2, XL3, XL5 projects using CAD, PDM, Agile tools
- Regulatory: ROHS and REACH Foam compliance.
- Obsolescence / Uptime: Production risk – Qualify alternate within strict timeline
- Quality / Customer complaint: Address quality issues from field / Customer complaints
- Tools Expertise: Solid works, inventor, Creo, Auto CAD, Solid Edge, Ansys Catia V5, Agile, PDM, Apriori.
- Modeling, Assembly, Drafting, Surfacing, Sheet Metal, Weldments, 3D sketch, Electrical Routing.

### **Experience:** (Working for ILensys Technologies Pvt Ltd.)

**Senior Design Engineer:** Jan -2023 to Present

Client: {Thermofisher Scientific}

- Project: Thermal analysis On Hail product by using Ansys Software.
- Reviewed the all Heat generating units in the product.
- Applied the heat on body's with respect their specification sheets.

- Run the analysis with different temperatures and find out the boundary heat conditions.
- Reducing the heat from IP65 rated product by finding some new heat transfer methods.
- New concept designs for natural convection within the product.
- Re-run the transient analysis and comparisons with old concepts.

**Experience:** (Working for ILensys Technologies Pvt Ltd.)

**Senior Design Engineer:** March -2022 to Jan 2023

Client : { Thermofisher Scientific }

- Klondike-B
- Product development and detailing
- Daily standup calls with internal and external teams
- Design reviews, new concept discussions and updates
- Internal teamwork, quality check and meet the delivery deadlines
- Share the CAD data with offshore team
- Involvement in proto build

**Senior Design Engineer:** 2021 to Oct-2022

Client: { Thermofisher Scientific }

- Responsible for Cost Reduction Program –Minneapolis and Erlangen
- Program management – Sustenance Engineering
- Awarded with Pat on the back honor for 2020.
- Engagement with suppliers during RFQ and Pricing
- Ensure delivery on cost projects, meet targets committed to the business
- Critical Project Activities include: Scope/Design finalization, Cross functional engagement, Co-ordinate Manufacturing builds.

**Associate Consultant:** 2017-2018

Client: { Thermofisher Scientific }

- Existing and New Product Development projects execution
- Individually Driving Cost & Quality Projects, working across multiple Products including XL3, XL2 laser analyzers.

- Understanding Testing & Validation Requirement -Test plan
- Alignment with Cross Functional Teams on Project Plan (Test requirements, Builds)
- Implementing Projects with BOM Changes and design modifications

## Accomplishments

- Certified Solid works professional core, Mechanical design and additive manufacturing
- Pat on the back for safety shutter design and review
- Team recognition on conversion product lines.
- Expertise in idea generation activities & Spend analysis

## Education

- **Master's in technology (M. TECH)**
  - CAD-CAM
  - Kakinada institute of Technology science (JNTUK)
- **Bachelor's in Technology (B. Tech)**
  - Mechanical Engineering
  - Adarsh collage of engineering (JNTUK)

Thanks  
Atchi Raju