

AIRCRAFT MANUFACTURER

Aerospace

Project
Management



Mechanical
Engineering



Quality
Assurance



DESIGNED RAM AIR TURBINE (RAT) EXTENSION TOOL AND NEW PACKAGING

APPROACH

- Lead design and development process
- Perform research and analysis
- Lead prototyping and testing
- Implement solution
- Conduct training
- Lead evaluation

RESULTS

- Reduced the occurrence of handling damages during RAT maintenance and handling operations through the implementation of the RAT extension tool
- Ensured the RAT assembly remains stable and well-supported throughout the process, minimizing the risk of accidental impacts or mishandling
- Improved efficiency because the new packaging ensures there is no damage during transportation
- Reduced the overall occurrence of handling damages which has resulted in cost savings

KEY TOOLS & TECHNOLOGIES

- CAD software
- Testing equipment
- Training materials

ALTEN TECHNOLOGY