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Azadi Ka  
Amrit Mahotsav

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**beml**  
NEW FRONTIERS. NEW DREAMS



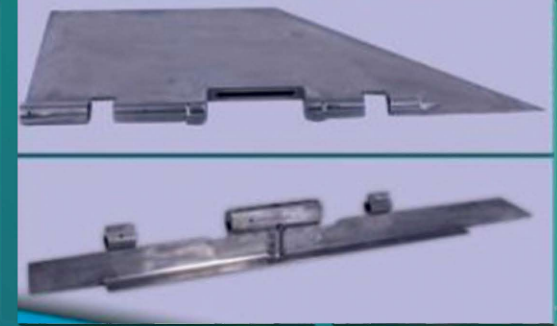
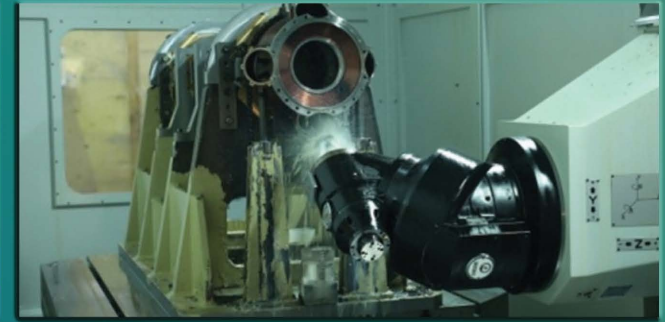
# AEROSPACE

- » MISSILE & SPACE
- » AIRBORNE STRUCTURES
- » GROUND SUPPORT
- » TOOLING & ENGINEERING SERVICES



# PRECISION MACHINING

- » Moving Column Machining Centre (PARPAS THS 120X make)
- » 5 Axis Machining Centre (DMG-DMU 80P)
- » CNC Milling & Turning Centres





# EXCELLENCE IN PRECISION MANUFACTURING

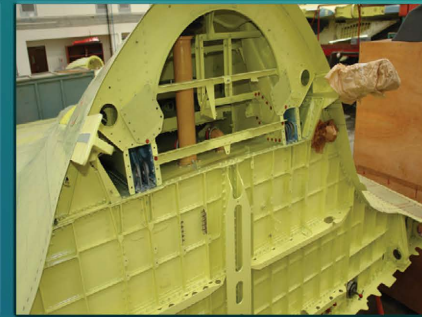
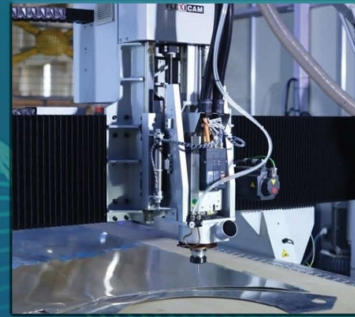


TiG & MiG Welding <<

Servo Controlled SPMs <<

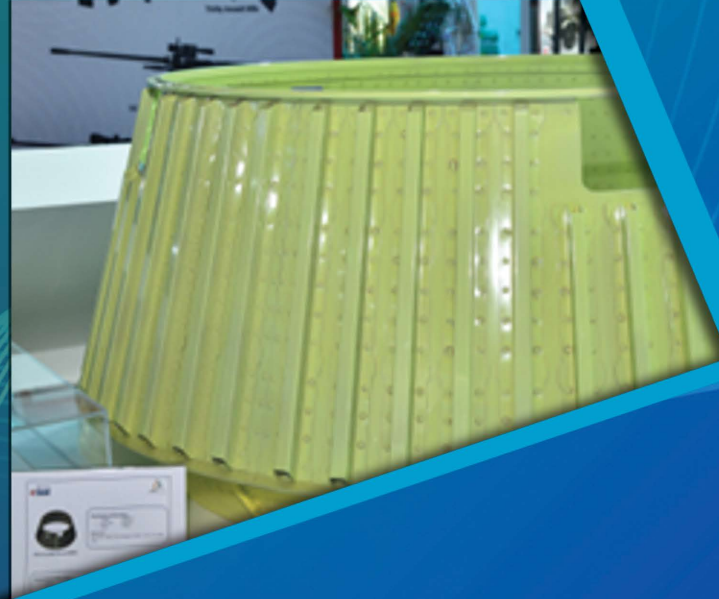
Welding Positioner <<

# ASSEMBLY OF AIRBORNE STRUCTURES





# ASSEMBLY OF LAUNCH VEHICLE STRUCTURES

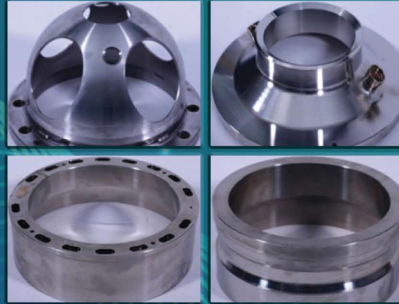
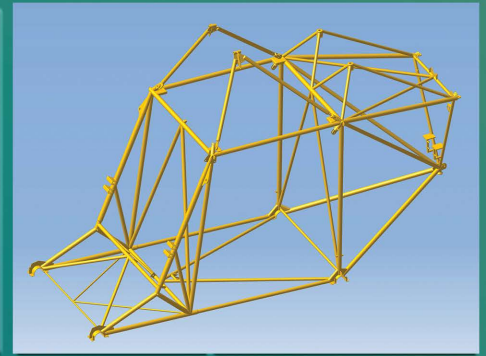


# !CAPABILITIES

- » Process Planning
- » Fixture & Tooling
- » NC Programming
- » Exotic Alloy Machining

## ADEPT AT EXOTIC ALLOYS

- » Maraging Steel
- » Titanium Alloy
- » Stainless Steel
- » Aluminum Alloy
- » High Strength Low Alloy Steels





# HEAT TREATMENT METROLOGY AND NDT



- Metrology <<
- Ageing Furnace <<
- Solutionising Furnace <<
- Fluorescent Penetrant Testing <<
- Proof Pressure with Data Acquisition <<

# TOOLING & ENGINEERING SERVICES

## CAD SOFTWARES

- » Catia V5 R29,UG NX10
- » Pro-E/Creo 5.0,AutoCAD2015

## MESHING SOFTWARE

- » Altair Hypermesh 2017

## ANALYSIS SOFTWARE

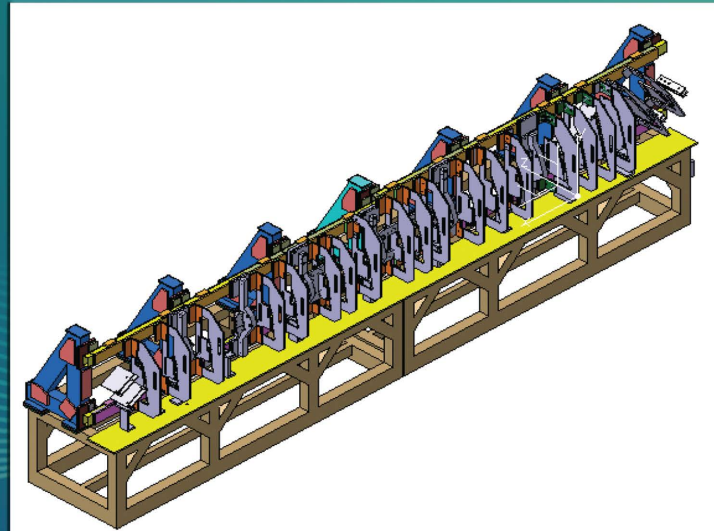
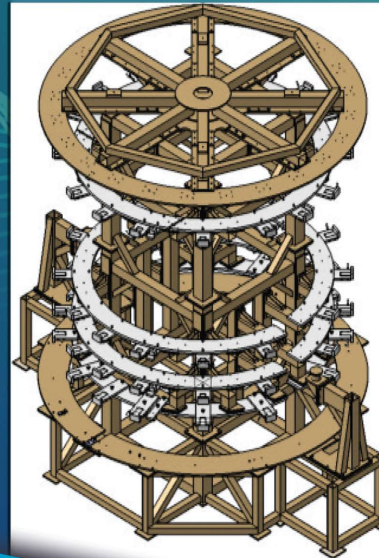
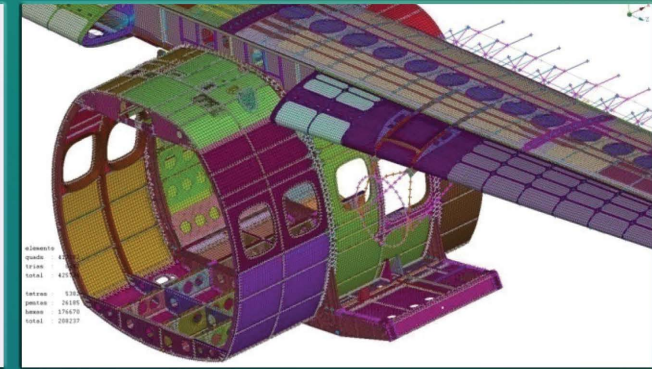
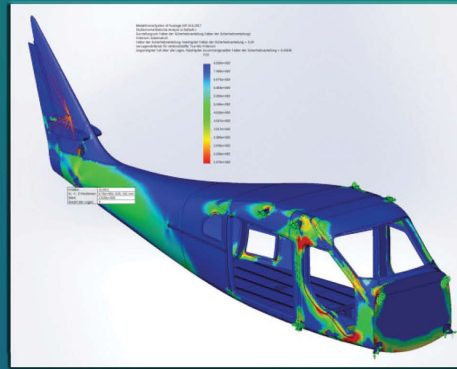
- » Abaqus/CAE 6.7 & Nastran

## CFD

- » Star CCM+ 12.06.011
- » Ansys CFD 19.2

## DYNAMIC ANALYSIS

- » LS-Dyna
- » Altair RADIOSS 2017

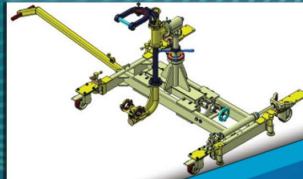
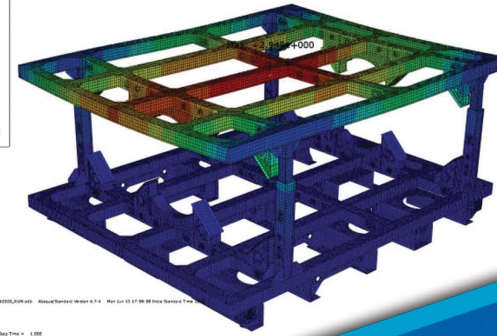




# GROUND SUPPORT EQUIPMENT



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+2.949e+00  
+2.703e+00  
+0.457e+00  
+2.212e+00  
+1.266e+00  
+1.720e+00  
+1.474e+00  
+1.239e+00  
+9.829e-01  
+7.372e-01  
+6.514e-01  
+2.457e-01  
+0.000e+00  
Max: +2.949e+00  
Node: PART-1-1.97219



Design, Analysis, Development and Productionisation for LCA Tejas Aircraft <<

# CERTIFICATIONS

- » AS 9100D
- » NADCAP
- » NABL Accreditation
- » NDT (Radiography & DPT)





# BEML TACTICAL UAV



- » Endurance : 06-10Hrs
- » Range : 50kms+
- » Altitude : 4000m+

- » Intelligence
- » Reconnaissance
- » Surveillance
- » Border Patrolling
- » Disaster Management
- » Counter-Terrorism





# BHEL LIMITED

DEFENCE & AEROSPACE | MINING & CONSTRUCTION | RAIL & METRO

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