NAVAIR Lakehurst’s Prototype and Manufacturing Division is an essential resource for support of Naval aircraft and associated Aircraft Platform Interface missions.

- **Unique and Sole** manufacturer and Fleet provider of Cross Deck Pendants (CDPs) and Purchase Cable for USN, USAF, and EAF’s.

- **Unique and Sole** manufacturer and Fleet provider of Low Loss Launch Valves (LLLV)
- Designated Depot for ALRE Systems and Equipments

- Recognized Prototype and Rapid Response Facility for Naval Aviation including Reverse Engineering

- 304,000+ ft² of shop & office floor space under 15 buildings over 8 acres

- 176 Artisans along with 86 engineers and support personnel (262 Total)

- 300+ conventional and Computer Numerically Controlled (CNC) lathes, mills, Water Jets, Wire EDM, and heat treat furnaces.
**Primary Mission Capability Environment**

**"We Support The Fleet"**

**TMS/Platform PSE/CSE**
- Conduct Scheduled Prototyping and Initial Outfitting
- Conduct Emergency Response Prototyping and Manufacturing
- Tool Control for all TMS tool programs
- Sample TMS/Platforms:
  - F-35 (JSF)
  - V-22 & MV-22
  - F-18
  - H-60
  - E-2/C2
  - P-8
  - C-130
  - H-1
  - H-53
  - CASS

**TYCOM**
- Planned Overhauls PIA/RCOHR
- Emergency Response CASREPs
- Urgent Component Replacement (Deployed and/or Pier-Side)

**Expanding SE Workload**
- Rapid Response Prototyping & Manufacturing for all TMS/Platform PSE/CSE
- Increasing Workload from In-Service Platforms (F-18, H-60, V-22, etc.)
- TMS Depot Fixturing

**Other Services/Agencies /FMS**
- USAF Cross Deck Pendants for CONUS & EAFs
- TMS Platform FMS PSE/CSE
- French ALRE Support (LLLV, Holdback Bars, etc.)

**ALRE PMA-251**
- Steam Catapult Component Manufacture & Overhaul
- Arresting Engine Component Manufacture & Overhaul
- Landing Aids System Manufacture & Overhaul
- Jet Blast Deflector Component Mf & Overhaul
- EI & New Developmental Prototypes

**Expanding ALRE Workload**
- EMALS Test & System Support
- AAG Organic Depot Establishment
- Electronics Reverse Engineering

**PMD**
- Material Receipt Insp. (MRI) for Critical Safety Items (CSI)
- Stopgap Manufacturing of Flight-Critical Items of Supply
- Rapid Prototyping & Initial Outfitting
- Rapid Response Manufacturing for Plant Feet

**PMD**

**NAVSUP**
- First Article Test (FAT)
- MRI for CSI & Navy Special Emphasis
- Overhaul Point for Critical ALRE
- Overhaul Point for Selected SE/PSE
- Sole supplier of Low Loss Launch Valves
- Rapid Response to Supply Shortages
- Response to Defaulted Production Contracts
- Sole supplier of Cross Deck Pendants (CDPs)
- Barricade Arresting Assemblies
- Landing Aids (Lighting, Wind, etc.)
- Reverse Engineering

**Command Initiatives**
- Rapid Prototyping / Rapid Response
- AirWorks
- Irregular Warfare (IW)
- Additive Manufacturing (AM)
- Diversify & Increased Organic Workload
THE BUSINESS WE ARE IN

Provide the Fleet with “Aircraft Platform Interface” (API) products, that allow the successful and safe operation of Naval aircraft from aircraft carriers, air capable ships and expeditionary airfields worldwide.

VIDEO
Quality Assurance

QMS ISO 9001:2008
• Stock system
• Overhaul
• New ship construction
• In house manufacturing

NDT Program
• Level III VT, PT, MT, UT

Weld Program
• NAVSEA TP/278
• NAVSEA Authorized Representative

High Precision Measuring/Testing
• Tensile Test
• Digital Optical Comparator
• Coordinate Measuring Machines
• Metal Analyzers
• Hardness Testers
• Full Complement of Non-Destructive Inspection Equipment