

Naval Air Systems Command (NAVAIR) Naval Air Warfare Center Aircraft Division (NAWC AD)

Lakehurst, NJ



4.8.8 Prototype & Manufacturing

- Jeff Lewis
- Division Head
- jeff.lewis@navy.mil
- 732-323-1535



NAVAIR Public Release 2015-0854

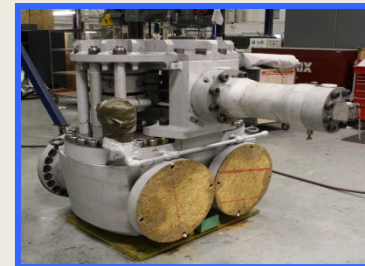
Distribution A – “Approved for public release; distribution is unlimited”



Manufacturing & Rapid Prototyping Capabilities

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

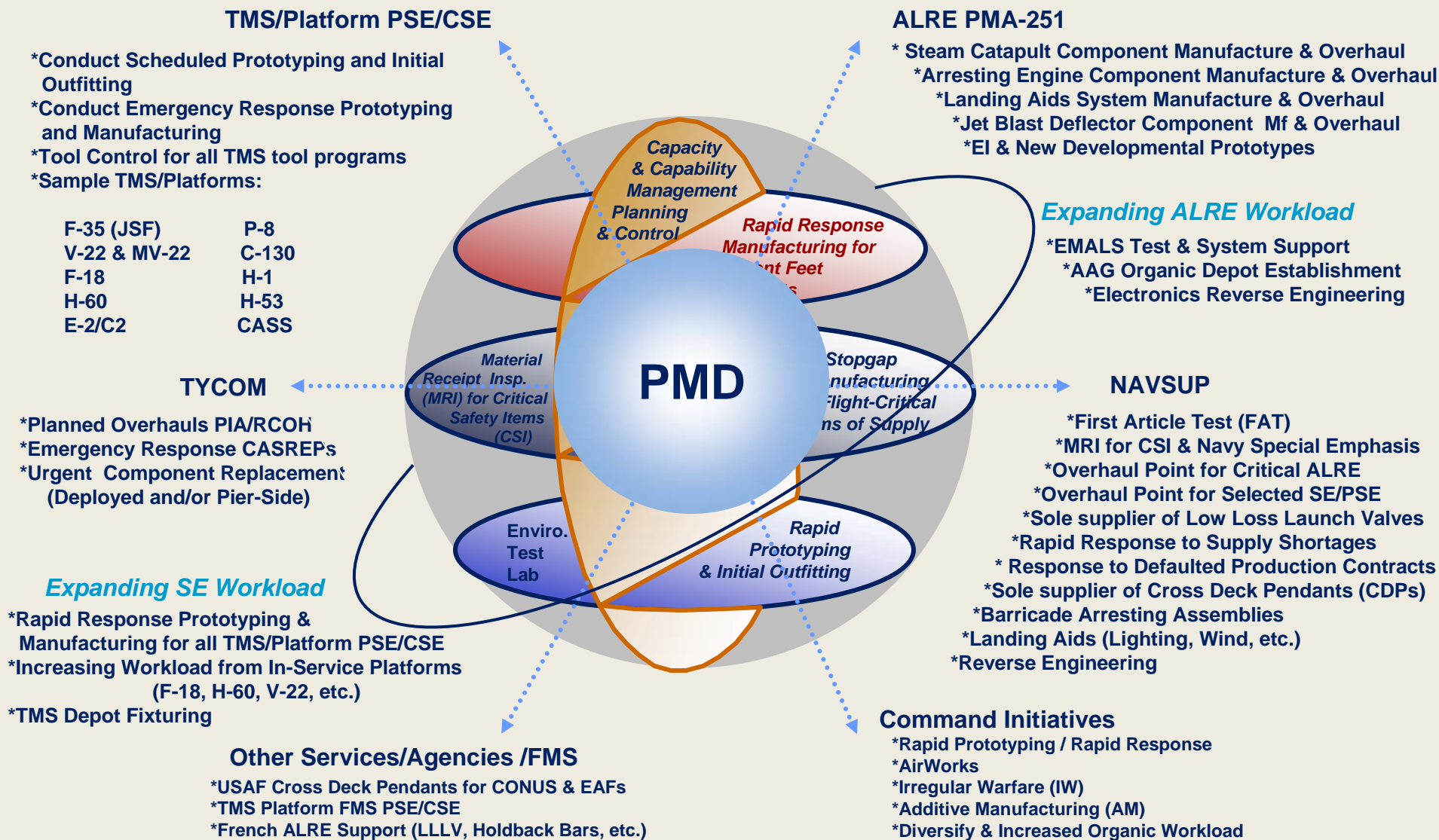
- **Unique and Sole** manufacturer and Fleet provider of Cross Deck Pendants (CDPs) and Purchase Cable for USN, USAF, and EAF's.
- **Unique and Sole** manufacturer and Fleet provider of Low Loss Launch Valves (LLLV)
- Designated Depot for ALRE Systems and Equipments
- Recognized Prototype and Rapid Response 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"





Manufacturing / Rapid Prototyping Capabilities

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

