



NAVAIR Lakehurst Overview

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Presented to:

Lakehurst Small Business Round table

Presented by:

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NAVAIR Lakehurst Site Integrator



NAVAIR Lakehurst Role

- **World leader in Aircraft Launch and Recovery Equipment (ALRE) and Support Equipment (SE)**
- **Unique Mission:**
 - Assure that fixed and vertical wing aircraft operate safely and effectively from aircraft carriers, air capable ships and expeditionary airfields worldwide



*From Take Off to Touchdown
99.9999 reliable*



NAVAIR Lakehurst Products/Services

Provide Research and Development Support – SE & ALRE System of Systems



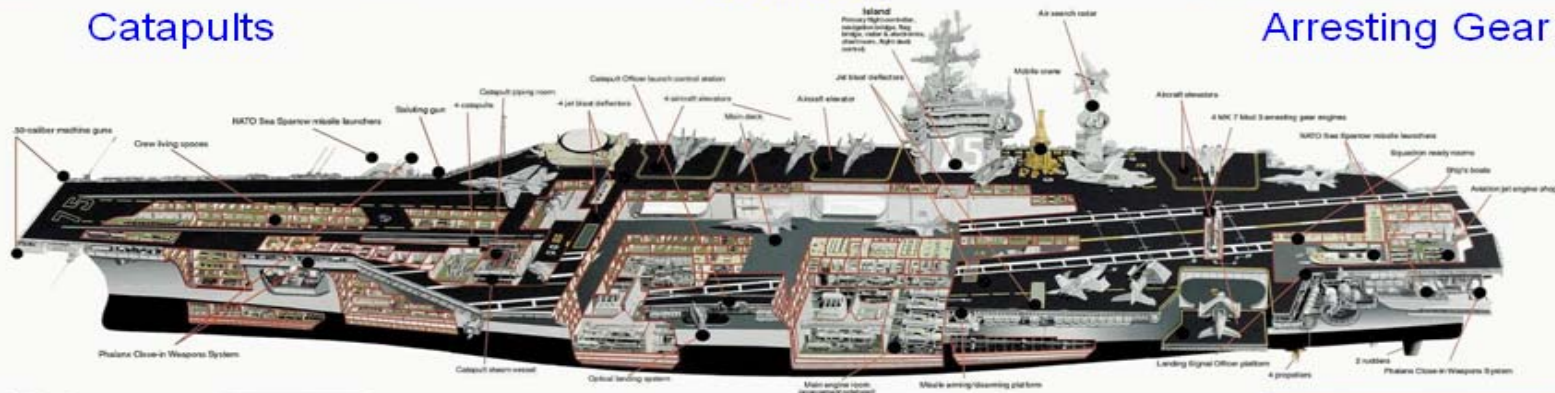
Catapults



Aviation Management Info Systems



Arresting Gear



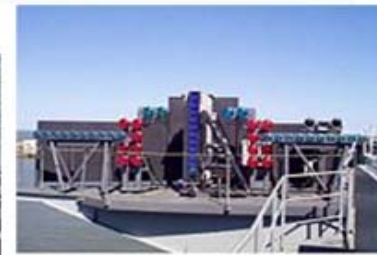
Weapons Loader



Automated Test Equipment



Cranes

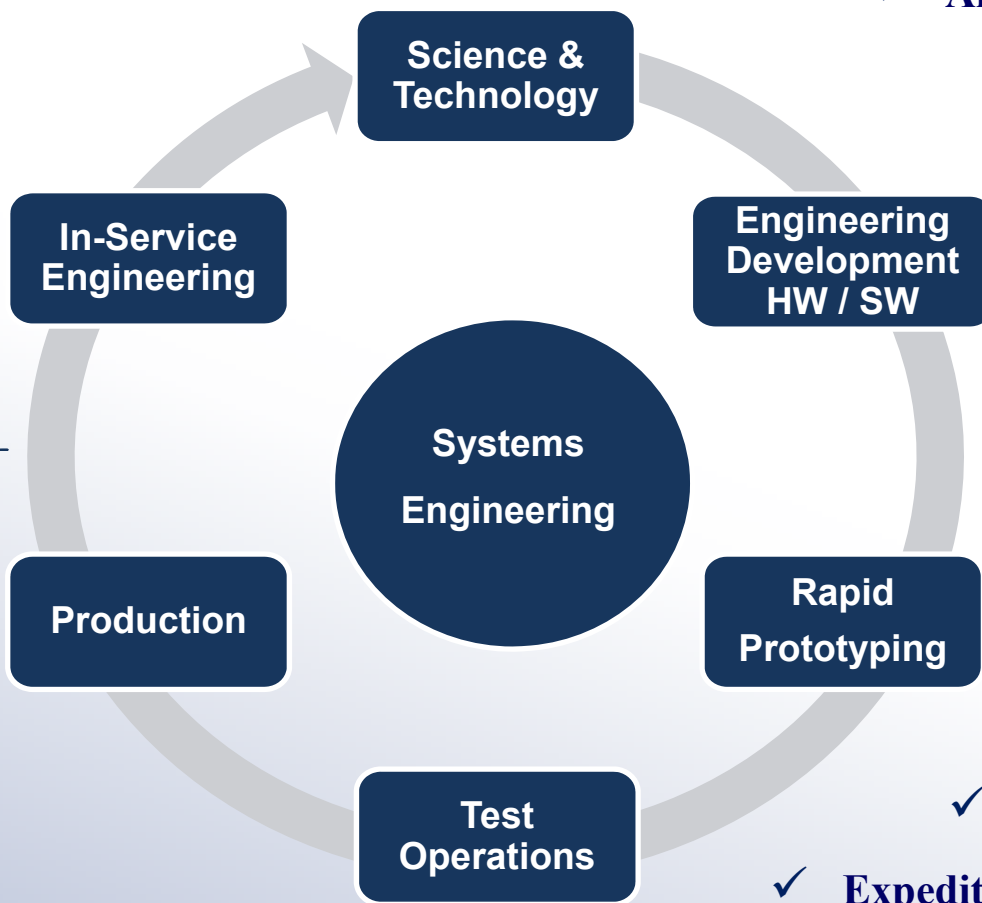


Visual Landing Aids



The World's Only Continuous, Full Spectrum Life Cycle Support for SE and ALRE

- Program Management
- On-Site Fleet Reps
- Cost Analysis
- Contracts
- Logistics
- Materials
- System Safety



- ✓ Aircraft / Weapons / Ship Compatibility
- ✓ Visual Landing Aids
- ✓ Information Systems
- ✓ Recovery
- ✓ Launch
- ✓ Handling
- ✓ Servicing and Maintenance
- ✓ Advanced Diagnostics
- ✓ Expeditionary Airfield Systems





Prototype and Manufacturing Facilities/Capabilities

AIR 4.8 Lakehurst's Prototype and Manufacturing 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) for USN, USAF and USMC EAF and Low Loss Launch Valves (LLLV)
- Designated Depot for ALRE Systems and Cryogenic Support Equipment
- Recognized Prototype and Rapid Response Facility for Naval Aviation
- 176+ Artisans integrated with 86+ PMD engineers and support personnel – collocated with ALRE and SE Design and In Service Engineers
- Engineering design support / producibility, drawing / model validation, reverse engineering and environmental testing capability
- Full Spectrum QA support, ALRE Flight Safe management and Material Receipt Inspection
- Additive Manufacturing, Digital Thread and Digital Manufacturing Technologies
- DMSMS for SE & ALRE electronic and avionics components





Test Facilities/Capabilities

Elevated Fixed Platform
Helo / UAV (future)
Recovery systems




Ship Installation Support

System Certification Support

Service Change, ECPs and EI Support

Developmental Test / Design Support

AC Compatibility Testing

Sites & Systems Instrumented

Fleet Representative Systems

Final LLLV Acceptance

Final CDP Master Reel Acceptance