

Product Development

To assure the quality and integrity of new system capabilities, design concepts, and service changes, the Product Development Laboratory creates engineering development models and breadboard systems for the Fleet. The lab is equipped with special power outlets to handle any shore-based and shipboard power requirements. Special equipment can be installed to accommodate the design and development of new programs. There is a high bay area with overhead crane access.



Product Development verified drawing and system functionality of jet engine test instrumentation (JETI) — a commercial off-the-shelf personal computer based engine test system.



From concept development to Fleet utilization, the Improved Fresnel Lens Optical Landing System (IFLOLS) was developed in the Product Development Lab.

Partnering Opportunities

Several mechanisms exist for partnering with NAVAIR Lakehurst. These include cooperative research and development agreements (CRADAs), commercial services agreements (CSAs), and education partnership agreements (EPAs). Under a CRADA, Lakehurst engineers and scientists work cooperatively with their peers in industry or academia on mutually beneficial research and development. The Navy has been given statutory authorization, via CSAs, to use Navy facilities to perform specific types of work for private parties. EPAs allow collaboration between NAVAIR Lakehurst and educational institutions.



The PD lab developed a customized program using third party software to meet the input/output requirements of an electromechanical actuator test set. EMATS is an updated test set and is used on the F-14.

For More Information

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NAVAIR Lakehurst's Aircraft Platform Interface Facility was opened in August 2002. This 66,000-square-foot research and development facility supports the Navy's aircraft launch and recovery and support equipment missions. The technical capabilities covered by the 14 laboratories in this facility include power control systems; modeling, simulation, and data analysis/management; optical and lighting systems; integrated diagnostics; component evaluation; and applied technology. The synergism provided by collocating these teams of engineers, scientists, and technicians in one building further enhances this state-of-the-art facility.

NAVAIR Lakehurst researches, develops, tests, and procures aircraft launch and recovery systems and support equipment for Navy and Marine Corps aviation.