

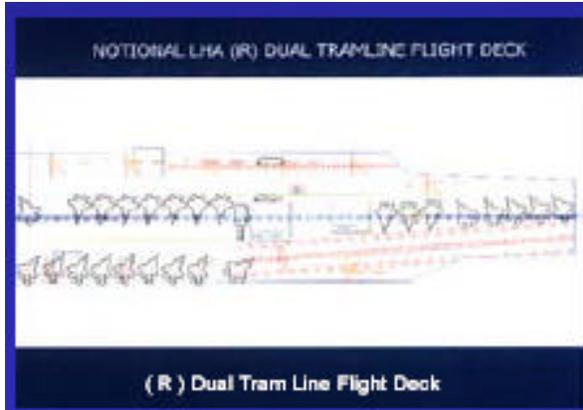
Carrier Analysis

The personnel of the Carrier Analysis Lab form the core of the Navy's ship compatibility team and are responsible for systems-level integration of aircraft weapon systems and the ship platforms upon which they are deployed. The team assures compatibility and operability among the aircraft (both fixed and rotary wing), the operating platform, and the various interface commodities by concerning themselves with just about everything that happens to an aircraft from just prior to landing to just after takeoff. Flight deck, hangar deck, and aviation facilities design considerations are also evaluated. The Carrier Analysis Lab serves as the Navy's point facility for maximum density spotting and handling issues. In addition to supporting legacy aircraft and ship programs, lab personnel are team members for a host of existing and proposed air platform.

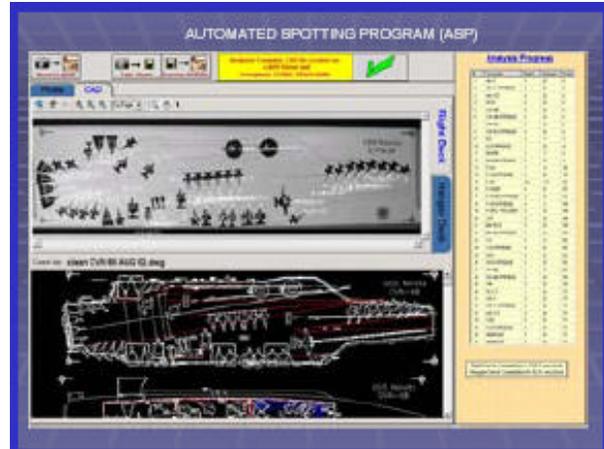


Partnering Opportunities

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.



Proposed ship/airwing study



Actual CVN-71/Carrier Air Group 8 work-ups

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.