

## **Samples of Past Projects Performed under Discrete Projects**

Examples of projects that have been completed and would come under the title of "discrete projects" in the SOW are:

- Advanced Simulation Network (ASN) Project - This project resulted in the replacement of all host computers and digital-to-analog interfaces and conversion equipment.
- PC Image Generator – This project involves researching and evaluating the latest in off the shelf PC Image Generator (IG) systems and determining which systems would best fulfill the future PC IG needs of the SimLabs. The analysis would include cost vs. value, maintenance requirements, cost, integration, flexibility, compatibility, etc.
- FFC Projector Replacement - This project consisted of replacing all 12 projectors used to generate the 360 degree field of view in Future Flight Central including all design, engineering, fabrication, installation, system integration and acceptance testing by the operational users.
- Joint Ship Helicopter Integration Process (JSHIP) & Joint Strike Fighter (JSF) Cab Development - An interchangeable cab (NCAB) entire cockpit and visual system was completely redesigned, constructed, furnished, calibrated and certified for human occupancy use.
- Lunar Lander Cab Development – An interchangeable cab (NCAB) cockpit configuration changed to accommodate a standing pilot during flight. This required design, construction and certification for “man-rating”.
- Integration of a commercial math model – A commercial aircraft math model purchased from the Original Equipment Manufacturer (OEM) was integrated into the ACFS real time environment. This required interfacing with the OEM and reformatting their model in order to integrate into SimLabs system while protecting proprietary interests.

## **Sample of Past Projects performed under Corrective Maintenance**

Examples of projects that have been completed and would come under the title of "corrective maintenance" in the SOW are:

- Replacement of existing analog mode control unit with a digital system.
  - Design, fabrication and installation of catenary snubbers.
  - Modify projector mounts in FFC.
- Various board replacements for computers.