



## Test Systems

# Maintenance Repair and Overhaul (MRO) A/C Systems Engineering

On-board system testing > **Aviation system engineering (2010 - 2011)**



The MRO (Maintenance Repair and Overhaul) Department is responsible for:

- Fleet management and monitoring of aircraft airworthiness
- Aircraft Maintenance (approved establishment)
- Working parties (retrofits, system modifications, conversions,...)

AERTEC Solutions was responsible to provide engineering support to the functional tests that are performed after any maintenance work (repairs, overhaul) and/or modifications. The Company has completed the following tasks:

- Develop functional tests (for execution during maintenance of aircraft within the hangar or flight line)
- Provide technical support for investigation and resolution of deficiencies found during the execution of functional tests
- Definition of test means





## Test Systems

Key stages of the project were:

- Specification
- Design
- Development
- Validation and verification of the system

The project was developed in consortium with AERYS, AERTEC Solutions's participation in the project included Engineering design and manufacturing, Computer Aided Test System (CATS) tool integration and Technical support at the Seville Light & Medium FAL.

The tool includes the following elements:

- Module-display generator
- Trolley case for generator
- Connection decks to

