

B787 Portable Virtual Maintenance Trainer

Our Virtual Maintenance Trainer (VMT) is a simulation-based training tool used by Airlines, Maintenance Repair and Overhaul (MRO) and Training Centers around the world. It's designed to reduce training costs and increase operational efficiency of maintenance training for aircraft engineers. In addition to the VMT Classroom, the Portable VMT gives you the capability to supply remote training.

Key Benefits

- Allows training at remote sites with same high fidelity solution offered for fixed classroom training
- Quick setup at remote site
- Instructor tools provide fast program loading, fast loading of troubleshooting exercises, and preset initializations
- Use of OEM Supplied Data Package for full implementation of LSAPs to ensure accuracy and concurrency with other training device platforms and aircraft
- Portable VMT is available for various fleets



Components

- 1 Maintenance Laptop**
- 2 Mobile Computer featuring fold away screens**
- 3 L3 CTS Server Box**

System designed to connect to three projectors at the remote destination. These would be supplied by each classroom location (i.e. not offered in standard package).



Key Features

Mobile Instructor Station

Mobile Computer: Main Application and Monitor Graphics

- Rugged design
- Three fold away screens
- Capability to connect to three projectors
- High Fidelity Simulation using Full Boeing Data Package
- Includes EFB, HUD, EGPWS, WX Radar, and TCAS
- Connects to Maintenance Laptop (requires customer provided toolbox)
- Animated schematics (fully integrated with simulation with active flow lines; 40+ offered)
- Available with Rolls or GE Engines
- Ability to set malfunctions for Line Oriented Scenarios
- 23 Troubleshooting offered
- 200+ Malfunctions offered
- Fast initialization for aircraft state and for troubleshooting exercises
- Warning label placement
- Panel separation with scaling capability
- Systems Knowledge CBT
- Virtual Aircraft Simulation to allow user to navigate around the airplane and inside airplane locations
- No internet connection required

787 Avionics Server Box

- Runs Aircraft LSAPs, Core Network Simulation



Maintenance Laptop supporting the following functions as in actual aircraft:

- **Maintenance Control Display Function (MCDF)**
 - ▶ Central Maintenance Computing Function (CMCF)
 - ▶ Onboard Data Load Function (ODLF)
 - ▶ Onboard Storage Management (OSM)
 - ▶ Circuit Breakers (CB)
 - ▶ System Pages (SYS)
 - ▶ Maintenance Pages (MAINT PGS)
- **Loadable Software Airplane Part – Software Maintenance Tool Application (LSAPL-SMT)**
- **Flight Data Recorder Function**
(limited implementation)
- **Toolbox Remote B787**
 - ▶ Contains AMMs, FIMs, Synoptic, Wiring Diagrams, and Schematics

Note: All data within this app will need to be provided by the customer.

Contact us for more information on how we can provide the solution to fit your training needs.

L3CTS.com



Commercial Training Solutions