

Maintenance Training Device

Classroom Concept for Aviation Maintenance

Exail Maintenance Training Device (MTD) consists in a classroom in which a configurable number of trainees, practicing on their stations, are driven by one instructor. This solution combines theoretical knowledge acquisition and practical skills training.



MAINTENANCE TRAINING DEVICE

- State-of-the-art solution for a deep understanding of aircraft systems and troubleshooting procedures
- An intuitive free-to-play device based on a classroom concept to enroll students in a fully interactive and immersive learning method
- Developed in partnership with organisations and to meet EASA Part 66, 145 and 147 highest demanding training standards and objectives
- The most cost-effective solution combining high performance hardware and software to simulate the aircraft maintenance in a computer desktop environment.

BENEFITS

- Perfect tool for aircraft systems understanding
- Simulation at FFS level
- Simple hardware, low-cost operations
- Most effective training method
- Designed for utilization in Part 147 Training Centers

FEATURES

- Troubleshooting exercises with evaluation report
- Suitable with VR headsets
- Substantial list of simulated BITE Tests
- Virtual Aircraft
- Animated Schematics fully linked with simulation
- Available for A320, A330, B737NG

KEY POINTS

- Customised classroom installation (up to 12 students + 1 instructor)
- Supports Level 2 & Level 3 modules for Part 66 B1 & B2
- Possible customization to match customer specific needs and budget constraints.

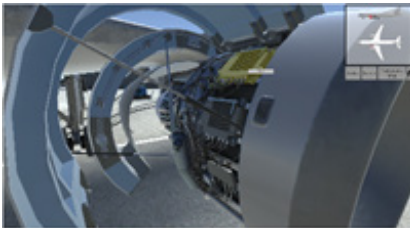
TECHNICAL SPECIFICATIONS

Training Innovation

Exail MTD allows trainees to learn and practice maintenance tasks required to ensure the continuing airworthiness of an aircraft or aircraft part, including overhaul, inspection, replacement, defect rectification through the use of a virtual aircraft. MTD is in accordance with approved manuals and airworthiness directives. Our MTD allows trainees to have a deep understanding of the aircraft systems that leads to better diagnosis on malfunctions with a direct impact on operating costs.

Specifications

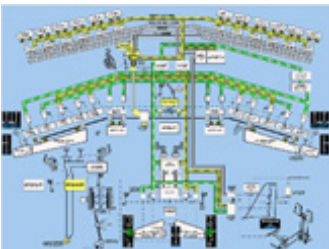
	A320	A330	B737NG
Simulation software	Up to Standard 2.1	Up to Standard 2.5	Based on tail number YS 371. Other tail numbers available on customer request.
VR capability	•	•	•
Troubleshooting	Virtual Aircraft (entire 3D model)	Virtual Aircraft (entire 3D model)	Virtual Aircraft (combines 3D model and photorealistic views)



A320 Virtual aircraft engine



A320 Touch Screen Trainer pedestal in full configuration



Animated Schematics



B737NG main interface



Classroom configuration



VR Capability