



Virtual Maintenance Trainer



A FLEXIBLE, ROBUST VIRTUAL TRAINING SOLUTION

Readiness Begins With Training

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A flexible, robust virtual training solution

Boeing's Virtual Maintenance Trainer (VMT) leverages modern multimedia technology to provide students with realistic repair training. The VMT incorporates multimedia to train technicians on system identification and location, as well as proper operation and fault isolation procedures. The VMT allows students to reduce the amount of time used for training on actual aircraft.



Boeing's VMT can be configured for multiple platforms:

- Rotorcraft such as the AH-64, CH-47, AH-6
- Fixed Wing such as the F/A-18, F-15 and V-22
- Ground Vehicles such as the High Mobility Multi-purpose Wheeled Vehicle, Joint Light Tactical Vehicle and construction equipment

The VMT offers:

- Integration of Boeing's Intelligent Tutoring System to provide immediate feedback and instruction from a virtual instructor
- Content management
- An immersive training environment that supports maintenance activities while integrating gaming technology and simulation
- The ability to train tasks within the total aircraft environment using:
 - High resolution photos
 - Graphics
 - 3D models
 - Video
 - System animations
 - Audio
- Similar to a real-world environment, the maintenance team can role-play and interact with each other, allowing:
 - Less time required at aircraft for on-the-job training
 - More efficient use of time on the aircraft during maintenance tasks
 - Higher aircraft operational availability



- Elimination of multiple training media
- Scalability and deployability
- Ability to run software on a laptop in single or multiple user mode
- Aural cues that simulate aircraft sounds during system operation