



## AV-8B MTT

Multi-Task Trainer

Technology Refresh Device 15A23

**Kratos was selected to upgrade the Multi-Task Trainer (MTT) in a two-phase effort involving the upgrade of both the trainer hardware and software.**

The AV-8B Multi-Task Trainer (MTT) consists of 26 portable desktop training devices capable of providing deployable training in the operation of the AV-8B Harrier's APG-65 radar. The MTT can be deployed along with Marine Corps pilots to allow them to train for simulated air-to-ground and air-to-air missions using the limited space and facilities that are available in their operational environment.

Originally designed in 2001, the trainer hardware and software were becoming obsolete and replacement hardware was becoming difficult to find. In addition, most of the internal components were from European manufacturers and were not readily available in the United States.



The software was upgraded in order to update and enhance the operating system and other software to allow for future trainer capability additions. The hardware was upgraded to solve system supportability issues.

Each of these training devices consists of two monitor screens, a Personal Computer (PC)-based computer, and a flight control stick and throttle grip. The top monitor screen is used for displaying an out-the-window visual scene with overlapping Heads Up Display (HUD). The bottom monitor, with a touchscreen, shows the aircraft Multi-Purpose Color Displays (MPCDs) and related radar and weapon switches. The flight control stick and throttle are replicas of the HOTAS stick and throttle grip on the aircraft. They are attached to a desktop during training and fully integrate into the software simulation.

