KRATOS

ABRAMS MTS

ABRAMS TANK MAINTENANCE TRAINING SYSTEMS

U.S. ARMY M1 MTS

M1A2 System Enhancement Program (SEP) Version 2 (v2) HOT

Kratos was selected to be a member of the M1 Abrams MTS Team to perform a technology re- fresh and systems upgrade to the U.S. Army M1 Abrams Maintenance Training System (MTS).

Requirements for the MTS included an upgrade of the M1A2 Hands On Trainers (HOT) to the new M1A2 System Enhancement Program (SEP) Version 2 (v2) HOT with Embedded Diagnostics (ED) capability. Kratos, for this effort, refurbished TTOMT frames provided by ANAD, onto which Kratos installed a combination of Kratos-designed and GFE components, provided engineering, mechanical and electrical design; developed drawing packages; and provided fabrication assembly and testing on a total of 23 Abrams HOTs. The U.S. Army, Program Executive Office for Simulation Training and Instrumentation (PEO STRI), Orlando, Florida, managed the program for the Army.

The M1 MTS provides training in critical field level tasks required for the maintenance personnel at the U.S. Army Armor School at Ft Benning, GA. The training system is comprised of a Dialogistic and Trouble Shooting device (DT) and a HOT device. The HOT system provides for hands on skill level development for system operation, fault diagnosis, troubleshooting, adjustments, removal / replacement, servicing and repair tasks.

M1A2 SEP v2

SS-KTS053

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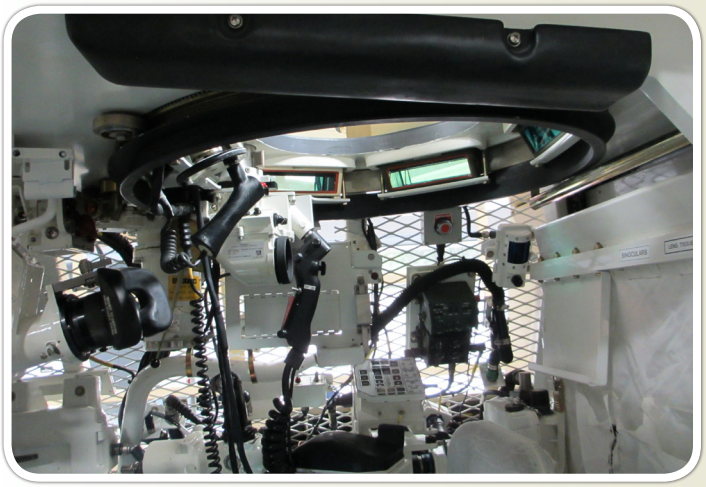
Kratos provided new trainers for the existing TTOMT trainer for the SEP v2. The technology refresh included retrofitting with modern computers, I/O hardware, networking the MTS and an upgraded Instructor Operator Station (IOS). The system upgrades to various redesigned components and structural changes were dictated by the enhanced training tasks. The upgraded HOT included a modified compartment and provided incorporated simulated components, cables, connectors and mounting hardware to reflect the SEP configuration items.

Another upgrade to the HOT was the addition of a dynamic multi-channel visual system to the Gunners Primary Sight Unit and the Commander's Independent Thermal Viewer (CITV), allowing a full visual simulated replica of the actual equipment as required by the training tasks.

About Kratos Training Solutions

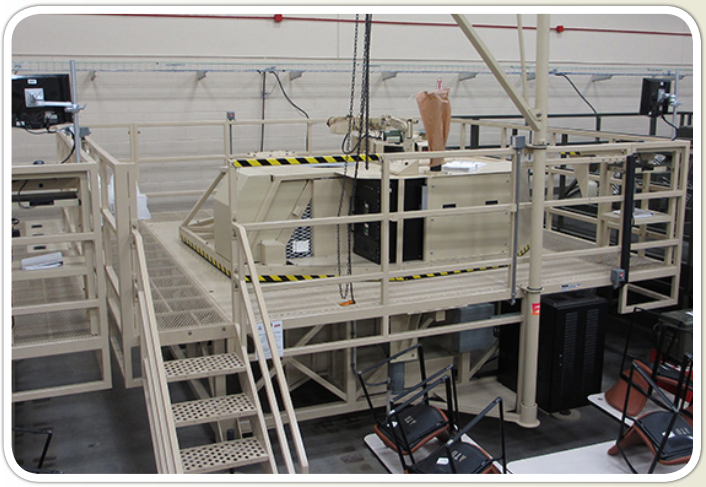
Kratos Training Solutions specializes in assuring the readiness, reliability and operational effectiveness of Warfighter systems by supplying lifecycle Training Solutions to its defense, government and commercial customers.

M1A2 SEP v1



M1A2 SEP v2

M1A1 AIM-ED



M1A1 SA

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FROM STRENGTH TO SUCCESS

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