I-MILES TVS

TACTICAL VEHICLE SYSTEM

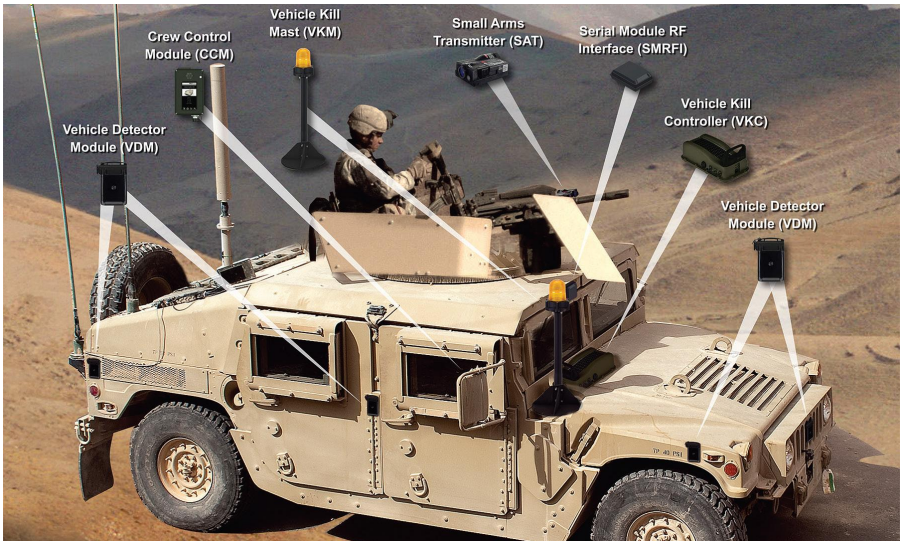
Introducing a Universal Wireless MILES Solution for Army Vehicles

Cubic's wireless vehicle Multiple Integrated Laser Engagement System (MILES) is an evolutionary advancement in our wireless solutions for simulation training. The new Instrumentable MILES Tactical Vehicle System (I-MILES TVS), now under production for the U.S. Army, features better training fidelity, wireless communications and intuitive interfaces.

The system provides real-time casualty assessment necessary for MILES tactical engagement training, in force-on-force training scenarios.

TVS is designed with modular, open architecture to ensure adaptability across the Army's entire vehicle fleet. Cubic's system is configured with new features that significantly improve ease of use for soldiers, including touch-screen displays with highly intuitive graphics for tech savvy soldiers.

This commercial-off-the-shelf technology makes system setup, installation, and operation significantly easier than other vehicle simulation systems in use today. Cubic's TVS provides superior performance because of its accuracy in weapon simulations and casualty assessments for vehicles and fixed structures.



Key Benefits

- Intuitive – Provides high-value content user interfaces to simplify installation and operation of the system
- Multiple Growth Paths – Our wireless modular architecture supports growth through the addition of new modules and capabilitites in the form of upgrades, software/configuration changes, and technology insertion
- Reduced Cost of Ownership – Fewer cables means quicker set-up times, less breakage, fewer spares, repairs, maintenance, and logistics over the life of the system
- Precision – Replicates the effective range and ballistics of all potential ammunition, and provides recorded real- time casualty assessments for immediate trainee feedback and playback for after action review
- Modular Configuration – Adapts to any wheeled or tracked tactical vehicle and is also configurable for buildings, fixed equipment, small watercrafts, bridges, and other structures.

CUBIC™
Enabling a Safer World

MAJOR COMPONENTS

- Crew Control Module (CCM)
  - Controller functions
  - Display events with built-in audio
  - Rich graphical interface
  - Graphical step-by-step Installation Wizard
  - Wireless or externally powered with internal backup battery for 100+ hours operation
- Vehicle Kill Mast (VKM)
  - 1,800 meter visibility
  - 360-degree field of view
- Vehicle Kill Controller (VKC)
  - Main system coordinator
  - Performs casualty assessment using internal, configurable Probability of Kill data based on ammunition and vehicle vulnerability
  - Records all events for playback during AAR
  - Provides data communications interface for Player Unit instrumentation to support real-time monitoring and control
  - Externally powered with internal backup battery for 100+ hours operation
- Serial Module RF Interface (SMRFI)
  - Provides RF communication inside and outside the vehicle
  - No cable entry point required
  - Extends coverage to wireless detectors
- Vehicle Detector Module (VDM)
  - PMT-90 compliant laser decode
  - Wireless
  - > 120 degree Field of View
  - Single, user-replaceable L91 AA battery provides 900+ hours operation
- Small Arms Transmitter (SAT)
  - Fully qualified IWS SAT
  - PMT-90 compliant
  - Disabled when system is catastrophically or firepower killed
  - Wireless
  - Single, user-replaceable ½ AA battery provides 600+ hours operation

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