The CDT provides individual and crew training. The driver station can be configured with a variety of CDT compatible dash panels to represent multiple variants. The right seat is equipped with appended systems such as an articulated arm that interrogates improvised explosive devices (IEDs).

The CDT/TEV simulates the Joint Assault Bridge (JAB) and Assault Breacher Vehicle (ABV). Both configurations have a driver cab and a commander’s station that provides individual and collective training.

ABOUT LEIDOS
Leidos is a Fortune 500® science and technology solutions and services leader working to solve the world’s toughest challenges in the defense, intelligence, homeland security, civil, and health markets. The company’s 32,000 employees support vital missions for government and commercial customers. Headquartered in Reston, Virginia, Leidos reported annual revenues of approximately $7.04 billion for the fiscal year ended December 30, 2016. For more information, visit www.leidos.com.

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Military vehicles are increasingly complex and expensive to operate. Soldiers who operate these vehicles must be trained in a cost-effective and efficient manner to ensure their mission readiness, survivability, and success in the contemporary operating environment.

The Leidos team has developed a product line of virtual crew trainers based on a common architecture of hardware and software components. The architecture can be easily expanded to develop a wide variety of international military vehicles, such as the Piranha, MKV, Dingo™, Mastiff, and Leopard.

**CDT**

The CDT is based on a common set of hardware and software components that establish an extensible baseline that can be easily expanded to develop simulators for current and future military platforms. This reuse of proven architecture can greatly lower the cost of non-recurring engineering while reducing development time.

### KEY CAPABILITIES
- Provides training on driving tasks associated with particular vehicles in diverse environments, times of day, and weather
- Utilizes geotypical and geospecific terrain databases including urban, mountain, desert, plains, and villages
- Provides vehicle-specific, high-fidelity, operationally relevant scenarios and curriculum development to specific needs
- Includes training on unique driving skills, such as loading and unloading and heavy equipment transporters
- Provides a scenario generation system (SGS), enabling custom scenario development for the operational environment
- Records all driver actions for review during the exercise and in after-action review
- Evaluates driver performance against tasks, conditions, and standards to identify deficiencies and retraining

### THE CDT PRODUCT LINE

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### SUBSYSTEMS

The major components of the CDT system include:
- Student Training Station (STS)
- Instructor/Operator Station (IOS)
- After Action Review (AAR) station

The STS is comprised of a motion platform, video display system and driver compartment (the vehicle cab). The motion system can employ either a six- or three-degree-of-freedom (DoF) platform that provides realistic motion cues to Soldiers when executing training scenarios. The visual system presents a broad range of synthetic environments including geo-typical and geo-specific terrain databases. The display system increases fidelity of the visual scenes while reducing total life cycle costs and the footprint of the CDT system. All CDT cabs can be interchanged on the STS.

The IOS allows the instructor to initialize training, monitor a driver’s performance, and interject additional inputs into the scenario, such as changing environmental conditions and vehicle faults.

The AAR is a stand-alone application that captures and scores all driver actions, and supports an immediate and effective after action review process that enhances and reinforces training of critical operator skills.

### CDT Platform Supports Individual and Crew Combat Vehicle Driver Training Simulation

**CDT Stryker® Variant (SV)**

The first CDT variant produced for the Stryker® vehicle. The CDT/SV provides training to Soldiers in operating skills for the multiple variants of the Stryker® vehicle.

**CDT Tank Variant (TV)**

Through the use of interchangeable panels, one cab simulates the M1A1 and M1A2 main battle tanks.

**CDT Mine Resistant Ambush Protected (MRAP) Variant (MV)**

The CDT/MV utilizes interchangeable dashpanels to simulate the RG33, RG31, Caiman, and Maxxpro vehicles in the same vehicle cab variant.

**CDT Mobile Training Facility (MTF)**

The MTF is a complete CDT system that takes virtual simulator training to Soldiers in the field. This ruggedized, custom-built mobile trailer contains a 6-DOF full-motion platform powered by the self-sufficient power generator or shore power. The MTF can carry two vehicle cab variants.