ARO MY Training and Simulation

You’re in Expert Hands with Thales Canada
Driver Training System

For land military vehicles, Thales offers a family of Modular Electrical Motion Systems (MEMS) specifically designed to be integrated into a wide variety of driver training simulators. Thales has continuously developed, produced and refined MEMS since 1989.

Only the MEMS 6 meets or exceeds all of the requirements for effective land vehicle motion simulation and is the most cost effective system on the market today.

MEMS 6 is a 6-Axis, 6-DOF electronically-controlled, electrically-actuated system. MEMS 6 outperforms all other traditional hexapod 6-DOF motion systems in terms of fidelity, performance and accuracy.

Tactical Indoor Simulation System (TACTIS)

Used by the Royal Netherlands Army, Thales’ TACTIS supplies multilevel technical instruction and tactical training for mechanized infantry and tank battalions, from individual crew members to company level.

Thales provides unmatched tactical training with TACTIS, a mature system for immediate user starts on scenario, terrain, weapon, doctrine and production. TACTIS enhances the learning experience with effective realism, improved collective training standards, and the provision of detailed, objective evaluation and feedback. The system can also be used to evaluate new weapon systems and doctrines, testing/assessing the operational relevance of the new weapon system, and determining the effectiveness of a new formation before deployment.

Our Simulations: Dynamic Tools and a Dynamic Terrain

Thales’ goal is to achieve a high level of realism in a synthetic environment, both natural and tactical. The quality of the synthetic environment relies upon image rendering and computer generated forces. We focus on the quality of the presentation to the crew, especially the quality of image rendering in the sensor views, and on the quality of the tactical animation of the synthetic environment, especially the credibility of the actions, reactions and behaviours of the so-called “non-played agents” or “computer generated forces”.

Thales has extensive experience in these two domains and offers two outstanding products.

THALESView 3D

THALESView has been specifically designed to meet the most stringent requirements imposed by the 3D visual needs of modern training and mission-rehearsal simulators. Rich and dense synthetic environment is rendered with advanced features, such as dynamic terrain and automatic database population.

The whole range of the various conditions encountered in civil and military land vehicles, from direct views, sighting equipment (periscope, telescope, binoculars), to sensor imagery (infra red, low-light TV, light intensifier) is supported, with total correlation and consistency through the system’s graphics channels.

SETHI for CGF

SETHI is a very high fidelity Tactical Environment Generator. It fulfils high-end requirements for technical or tactical training in a virtual environment. It is also designed to support simulation based design or operational analysis. SETHI provides all the elements required to create and animate very detailed and sophisticated tactical environments for combined and joint operations.

The SETHI-TACTICAL-HMI (Human Machine Interface) supports both preparation and execution operation processes. Control of CGF and battlefield effects are operated similarly between preparation and execution phases. This allows the operator to generate the CGF scenarios linking elements from the tactical database (weapons, forces, behaviours, rule, etc.) to a specific scenario.
Best-In-Class Solutions

For Canadian Military Needs Thales maintains a strong track record of over 310 Land Vehicle simulators world-wide.

With TACTIS, we have proven our capability and credentials to provide large-scale, heterogeneous training systems and infrastructures that improve the effectiveness of individual and combined forces.

In meeting the needs of the Canadian Forces, Thales Canada is proud to be developing national solutions that are relevant to all of our Forces. As a world class Prime and Systems Integrator, Thales remain committed to meeting any challenge our Armed Forces demands.

Contact Thales Canada at inquiries@ca.thalesgroup.com