



LAND 134

COMBAT TRAINING CENTRE - LIVE SIMULATION,
RANGE INSTRUMENTATION AND INFORMATION SYSTEM

Australia's Premier Live Instrumentation Training System

The Land 134 CTC - LIS is a high-fidelity, mobile system that provides enhanced force-on-force training capabilities for the Australian Defence Forces.

The Cubic-developed system has been deployed for the Australian Army's Combat Training Centre in Townsville and also supports exercises at various training sites throughout Australia.

The system comprises live simulation equipment, including laser- and radio-based engagement systems that are integrated with range instrumentation and communications networks. The equipment collects and analyzes data in real time from all exercise participants, and provides the multimedia tools needed for CTC staff to provide objective feedback after the exercise.

The CTC-LIS is fully integrated with Australia's Joint Combined Training Centre (JCTC), which provides integrated Live, Virtual and Constructive training capabilities.

Major Components

Land 134 accurately simulates both "direct fire" from individual weapons and vehicles and "indirect events," such as battlefield effects for grenades, anti-personnel and anti-vehicle land mines. The system also provides medical modeling – via wireless medical tags worn by the players.

The GPS-enabled, laser-based tactical engagement systems interface with the instrumentation system, which provides data collection, exercise control and analysis. This allows full situational awareness and user feedback through After Action Reviews (AARs).

The Land 134 instrumentation system features a mobile Exercise Control Centre with analyst stations, an expandable AAR trailer and portable ground relay stations.

At the core of the system is Cubic's PC-based Range Instrumentation System, or PC-RIS, which allows Observer/ Controllers to use personal computers to create exercise scenarios, monitor the position-location of the players and record the battlefield events for the AARs.

