



LEGATUS®

WEAPON EQUIPMENT

TAKING RESPONSIBILITY IN A CHANGING WORLD



LEGATUS®

Live Power by Rheinmetall

The LEGATUS® system is a family of modular live training equipment and is Rheinmetall's approach to completely satisfy all customer requirements in the field of live training.

LEGATUS® WEAPON EQUIPMENT

The LEGATUS® Weapon Equipment integrates each trainee's or vehicle's weapon into the live training exercise and has been designed to accurately simulate the weapon's characteristics and performance. It is available in three versions for direct fire weapons. The version to be chosen is dependent upon the type and range of the weapon to be simulated:

- Small Arms Laser Transmitter (SALT)
- Medium Arms Laser Transceiver (MALT) for weapons in which the ballistics must be simulated
- Heavy Arms Laser Transceiver (HALT) including a Weapon System Interface (WSI) and a Tracer Unit (TCU) for large calibre and long distance weapons mounted on the respective vehicles simulating the correct ballistics.

The LEGATUS® Weapon Equipment solutions furthermore cover equipment for:

- Anti-Tank-Weapon Simulation for various types of weapon
- Mortar and Howitzer Simulation based on GeoPairing technology
- Hand Grenade Simulation based on radio technology

By selecting the appropriate equipment out of these categories the weapon simulation is highly realistic including the correct handling procedures as for real firing of the weapon.

The use of the OSAG 2 standard, which conforms to that defined in NATO's UCATT group, makes LEGATUS® comply with the incorporation of other weapons and systems in the future.



GENERAL CAPABILITIES

- Laser transmitters and transceivers available for calibres/ bore sizes from 5.56 mm up to 120 mm
- Range of the laser beam adapted to that of the weapon to which the transmitter is mounted
- Weight of SALTs are kept to a minimum to ease the effects of weapon weight on the soldier
- Typical SALT applications: pistols, assault rifles, sniper rifles, UBGLs, machine guns, RPG 7 etc.
- Typical MALT applications: machine guns such as Minimi, PK, M2 Browning
- Typical HALT applications: main guns of MBTs and AFVs from approx. 30 mm to 120 mm
- Alignment devices available for all weapons fitted with SALTs or MALTs
- Firing laser beam by either blank ammunition (muzzle flash and vibration) or dry fire trigger
- Realistic Weapon characteristics due to the use of a wide range of technologies adapted to each weapon's characteristic



UNIQUE FEATURES

- Optical codes according to OSAG 2
- All transmitters and transceivers defined as class 1 (eye safe) according to EN60825-1
- MALT transceivers measure the range to the target requiring the gunner to apply the necessary elevation to hit the target
- HALT transceivers measure the range to the target and scan the beam both sides of the gun's bearing
- SALT transmitter and MALT transceiver associated with a particular player (soldier)
- Transmitter/transceiver disabled when player is heavily injured or killed
- HALT transceivers are mounted in the bore of the weapon for bore sizes of ≥ 100 mm
- Only the LEGATUS predictive scanning technology for HALT transceivers allows for a realistic targeting (hunter-killer capability), avoiding the time-of-flight delay of the simulated projectile
- GeoPairing technology solutions for indirect fire weapons



Rheinmetall Electronics GmbH

Brüggeweg 54

28309 Bremen

Germany

www.rheinmetall.com