SMART**MISSIONS**

RHEINMETALL MISSION MASTER UGS HARDWARE-IN-THE-LOOP SIMULATOR (HILS)

A COST-EFFECTIVE AND REALISTIC SIMULATION SOLUTION FOR TESTING UGS TECHNOLOGY AND TRAINING SOLDIERS

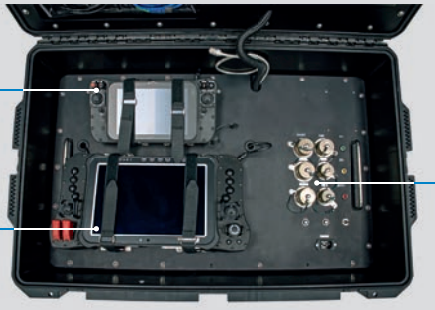
HARDWARE-IN-THE-LOOP SIMULATOR (HILS)

The Hardware-in-the-loop simulator (HILS) developed by Rheinmetall allows end users to partake in risk-free training and test up to 10 different Rheinmetall Mission Master models in personalized environments.

KEY ELEMENTS
Cost-effective way to try UGS technology before purchasing real units
Test tactical tasks and develop CONOPS prior to real-life experimentation programs or missions
Train soldiers on the technology & refresh training without the logistics of real-life sessions
Safe environment for training
Test new features in a safe manner (e.g. weapon stations and autonomous features)
Uses the real Rheinmetall PATH A-kit (autonomous kit) – Proven. Agnostic. Trusted. Highly autonomous.

Portable control station
The same one that is delivered with the UGS

Safe ground control station
The same one that is delivered with the UGS



Connection panel for network
HDMI, USB & LED indications for e-stop, firing, etc.

POSSIBLE ADD-ONS

Wolfpack	With 1 HILS, you can control up to 2 UGSs in the same digital environment Different HILS systems can be connected together to operate 3 or more UGSs
Weapon systems	Fieldranger remote-controlled weapon station (RCWS) Integrated ballistic table 1 controller with integrated safety board that controls both the UGS and the RCWS
Possible calibres:	7.62 mm, 12.7 mm, M134D minigun, 70 mm rockets (guided and unguided), MK19 40 mm grenade launcher, ROSY (Rapid Obscuring System) Target detector and target tracker
All other modules	Mission Master SP Cargo Mission Master SP Surveillance Mission Master CXT Cargo Mission Master CXT M134D Minigun Mission Master CXT Medevac Mission Master XT Cargo Mission Master XT M134D Minigun Mission Master XT Surveillance Mission Master XT Brimstone Missile Mission Master XT Rescue Any other Mission Master model upon request

Rheinmetall Canada Inc.

Headquarters · 225, boulevard du Séminaire Sud · Saint-Jean-sur-Richelieu (Québec) J3B 8E9 · Canada

Ottawa Office · 99 Metcalfe Street, Suite 304 · Ottawa (Ontario) K1P 6L7 · Canada

robotics@rheinmetall.ca · www.rheinmetall.ca