PRESSRELEASE

▶DIVISION *ELECTRONIC SOLUTIONS*

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Rheinmetall showcases its world-leading autonomous technology during Unmanned Ground Vehicle Trials in Estonia

After being put through a series of gruelling challenges during the Unmanned Ground Vehicle Autonomy Trials in Estonia, Rheinmetall has yet again positioned itself as a world leader in autonomous technology.

The trials, designed to test the limits of autonomy, were organized by the Estonian Military Academy and the Estonian Defence Forces. The event attracted a multinational audience of military and civilian experts from over 20 countries, all of whom were keen to experience for themselves the latest technological advancements in the field of UGVs. Rheinmetall was one of the 11 companies taking part in the trials.

From open fields with high grass to dense woodland, the Rheinmetall Mission Master SP's on- and off-road navigation capabilities were truly put to the test as it tackled rough terrains with limited visibility. Though the trials were not designed to be competitive, Rheinmetall's autonomous vehicle turned heads with its limited driver intervention, obstacle avoidance technology, and speed and manoeuvrability.

"These trials have shown just how far autonomous technology has come in recent years. We were proud to put our system to the test alongside some of the world's most skilled developers. We are really pleased with our performance and look forward to seeing how our technology will evolve over the coming years" stated Alain Tremblay, Vice-President, Business Development, Innovation & Robotics at Rheinmetall Canada.

Rheinmetall Mission Master and PATH autonomy kit

The Rheinmetall Mission Master SP, which stands for "silent partner", is a fully-electric autonomous vehicle. It was chosen for the trials due to its compact profile that can navigate through tight spaces.

Like all members of the Mission Master family of UGVs, the Mission Master SP is powered by the Rheinmetall PATH autonomy kit: an AI-powered navigation system. This agnostic suite of advanced sensors and perception algorithms enables the Mission Master vehicles to navigate through challenging environments, while keeping soldiers out of harm's way.

▶ Key facts

- Rheinmetall Mission Master SP turns heads during UGV trials in Estonia
- 11 companies took part in gruelling challenges over the course of two days
- The Mission Master SP distinguished itself for its limited driver intervention, obstacle avoidance technology, and speed and manoeuvrability.

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In addition to autonomous navigation, the Mission Master can support crewed and remote teleoperation, and seamlessly transition between each mode. The vehicles can also be fitted with different modules, including logistic transport, fire support, and medical evacuation.

Rheinmetall produced a video during the trials in Estonia to showcase the capacities of its Mission Master platforms to a wider audience.

https://youtu.be/qStp6M_ZZos

For more information on the family of Rheinmetall Mission Master UGVs, visit rheinmetall.ca.