

Team Information

Picture of vehicle:



Name of vehicle: Wiesel 2 Digital

Picture of vehicle:



Name of vehicle: TROBOT

Team Information

Name of vehicles: Wiesel 2 Digital, TROBOT



Picture of team leader:

Name of team leader: Uwe Eisenkolb

Team Name: Rheinmetall Defence

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Team Description: The Rheinmetall Defence Team is Rheinmetall Defence's entry into the ELROB2008. The team is mainly composed of employees of Rheinmetall Landsysteme GmbH.

Our vehicles are:

1. TROBOT (Tactical ROBOT). The TROBOT is based on a Diesel-powered eight wheel commercial off-road vehicle, the ODG Centaur. It is fitted with a drive-by-wire system, several sensors and computers. The vehicle incorporates measurements from a Trimble AGPS 114 DGPS and an iMAR VRU-SSA as inertial measurement unit. While moving, the environment is perceived through one sick LMS211 laser scanner, a RTS Scandrive Duo rotating 3D laser scanner, four IFM PMD laser sensors, four PIL ultrasonic distance sensors and a pan-tilt head with video camera. The vehicle can be used manned or unmanned. In the unmanned mode it is remote controlled or autonomous.

Team Information

The development of the TROBOT system began in August 2005.

2. WIESEL 2 digital. The WIESEL digital is based on the WIESEL 2 tracked platform, developed by Rheinmetall Landsysteme GmbH. The vehicle is fitted with two operator consoles for remote driving and operating robotic vehicles like UAVs and UGVs. It is fitted with a drive-by-wire system, driving cameras and a BAA with day/night sight camera. The WIESEL 2 digital can be used manned or unmanned. In the unmanned mode it is remote controlled.

Selection of scenario:

- | | |
|------------------------------------------------------------------------|------------------------------------------|
| 1. Reconnaissance and surveillance <input checked="" type="checkbox"/> | with the WIESEL 2 digital |
| 2. Camp security <input checked="" type="checkbox"/> | with the TROBOT |
| 3. Transport <input checked="" type="checkbox"/> | with the TROBOT and the WIESEL 2 digital |
| 4. Mule <input checked="" type="checkbox"/> | with the TROBOT |
| 5. EOD <input type="checkbox"/> | |

Team Information

Proof of citizenship:

- A copy of team leader passport: