Team Information

Name of vehicle: Wiesel 2 Digital

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
Team E-mail: uwe.eisenkolb@rheinmetall.com
Website: www.rheinmetall-defence.com
Location: Germany
Institution/Company: Rheinmetall Landsysteme GmbH
Address: Heinrich-Ehrhardt-Str. 2
29345 Unterlüß
Telephone: ++49-05827-806817
Fax: ++49-05827-805213
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 _X_ with the WIESEL 2 digital
2. Camp security _X_ with the TROBOT
3. Transport _X_ with the TROBOT and the WIESEL 2 digital
4. Mule _X_ with the TROBOT
5. EOD __
Team Information

Proof of citizenship:
  – A copy of team leader passport: