






Team Information
Team **RoboScout**



Pictures of RoboScout – Systemdemonstrator SD 5.1

Name of vehicles:	Gecko D1 and D2
Picture of team leader:	
Name of team leader:	Ferdinand Zoller
Team Name:	RoboScout
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	<p>Team Information Team RoboScout</p>	
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<p>The Team:</p>
<p>The RoboScout Team is BASE TEN SYSTEMS Electronics GmbH (BASE10) entry into the ELROB2010. The team is completely composed of system engineers, software designers, radio specialists, physicists and electronic engineers from BASE10, under the leadership of Ferdinand Zoller.</p> <p>The RoboScout team participates in the ELROB2010 with a so-called "RoboScout - Systemdemonstrator SD 5.1". Our system-demonstrator comprises one command post and two Unmanned Ground Vehicles (UGVs), called Gecko D1 and D2. The system-demonstrator is build to fulfil military tasks in a military environment.</p> <p>The basic features of the system-demonstrator are:</p> <ul style="list-style-type: none"> • The vehicles can be controlled via satellite communication or terrestrial communication from the command post by telecommunication. • The vehicles can additionally operate in a semi-autonomous operating mode. • The vehicles can act as a moving relays-station for other robots or IdZ. • The two vehicles are identical and belong to the vehicle-class of 3000 kg. • Each vehicle has a hybrid drive propulsion with diesel generator, accumulator and 4 electrical wheel hub motors • Each vehicle has a sensor lever arm with reconnaissance components and the capability to carry various payloads and a trailer coupling up to 1500 kg <p>Activities in the field of UGV started in April 2005 at BASE10. In the ELROB2006 the vehicle Gecko E+ has participated, whereas in the ELROB2008 the enhanced vehicle Gecko TRS participated. Subsequent activities are targeted towards building a complete system comprising two vehicles, one moveable command post with antenna system, which will be delivered mid 2010 to the German Bundeswehr.</p>

<p>Participation:</p>	
<p>Sponsors:</p>	<p>German Bundeswehr</p>
<p>Selection of scenario:</p>	<ol style="list-style-type: none"> 1. Reconnaissance and surveillance - Approach 2. Reconnaissance and surveillance – RSTA 3. Transport - Movements 4. Transport - Mule
<p>Proof of citizenship:</p>	<p>Copy of team leader passport</p>