

Eurathlon 2013

23-27. September 2013,
Berchtesgaden, Germany

Team Information

Picture of vehicle:



Name of vehicle: **Defender D2.1**

Picture of vehicle:



Name of vehicle: **Digital Vanguard**

Picture of vehicle:



Name of vehicle: **Scorpion SUGV**

Picture of vehicle:



Name of vehicle: **Armadillo UGV**

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Picture of vehicle:



Name of vehicle:

Beetle NUGV

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Team Information



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Team Description: The MAJIDADA Team is Allen-Vanguard's entry into the Eurathlon 2013. The team is composed of a mixture of individuals and backgrounds. These include research and design, manufacturing, sales and product managing. Two of the team are former bomb technicians having completed a number of operational tours of duty.
We intend to show five ROVs/UGVs, the Vanguard and its larger sibling Defender and from the Macro USA range of

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systems the Scorpion, Armadillo and Beetle. All platforms are battery powered and tele-operated. The Vanguard is classified in the small category of ROVs weighing 56 kg and has a superlative tracked drive system complimented by a six DOF arm assembly. The heavier Defender weighs 275 kg, its drive is delivered by six independent electric motors utilising an innovative chassis assembly. Traction is gained via six wheels, as with the Vanguard the Defender has six DOF as standard.

The Macro UGVs can be used for a multitude of tasks including conventional EOD/IEDD, each incorporates at least four cameras for excellent situational awareness. The added benefit with this range of UGV is their varied method of deployment, whether driven, thrown or marsupial deployment to the intended target it gives the user an uncompromised remote tool. The Scorpion and Armadillo can both be fitted with Manipulator Arms increasing their application.

Sponsors:

Selection of scenario:

- Reconnaissance and surveillance in urban structures (USAR)
- Mobile manipulation for handling hazardous material
- Search and rescue in a smoke filled underground structure
- Autonomous navigation using GPS, GLONASS and GALILEO
- EOR/EOD/IEDD/CIED (for professionals only!)

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