

Team Information

Picture of vehicles:



Name of vehicle: PackBot EOD, SUGV 310



Picture of team leader:

Name of team leader: Colin Weiss

Team Name: ELP

Team E-mail: elp@elp-gmbh.de

Website: <http://www.elp-gmbh.de>

Location: Wuppertal

Institution/Company: ELP GmbH European Logistic Partners

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Team Description: Since establishment in 1989, ELP GmbH has been involved with the needs of military and police bomb disposal units and their very special equipment. At first the focus was set mainly in the field of remote controlled manipulation equipment such as hook and line sets and remote controlled vehicles.

Team Information

Portable x-ray equipment, ballistic protective devices and drugs- and explosives detection instruments were soon incorporated into our offered range of products.

Being closely involved in the conception and design of such equipment as well as developing our own designs and patents, we now provide state of the art products for the very special needs and requirements found in this area of safety and security minded applications.

By offering training as well as technical support, workshop maintenance and repair facilities, we stride to maintain the high standard of expectations of our long time customers.

The PackBot EOD is a rugged, lightweight robot designed to conduct Explosive Ordnance Disposal, hazardous material handling (HAZMAT), search and surveillance, hostage rescue and other vital law enforcement tasks for bomb squads, SWAT-teams and military units.

The vehicle weighs less than 24 kg fully loaded, it can be hand carried and deployed by a single operator. In its stowed position, the robot can quickly load into the trunk of a squad car and transported to site.

Once deployed, the PackBot EOD can traverse narrow, difficult hard-to-access-terrain at burst speed up to 10 km/h. The robot can quickly penetrate inaccessible and dangerous areas. PackBot EOD is equipped with tracked QuickFlip dual rotating flippers that allow the robot to easily climb stairs, manoeuvre over rocks and rubble and navigate narrow, twisting passages. The robot's flexible ToughTrack polymer tracks can eject debris and manoeuvre over any surface – from tiled floor to snow and mud – with “human-like” dexterity. This all-weather, all terrain robot goes virtually anywhere.

The chassis offers eight separate payload bays, each with interchangeable payload modules such as video/audio, chemical-bio sensors, mine-detectors, ground penetrating radar (GPR) and extra power.

The Omni reach manipulator arm can access targets other robots cannot. And with its powerful, low profile gripper, the robot can perform a wide array of manipulation tasks.

The PackBot EOD is simple to learn and use. The ruggedized Operator Control Unit has an ergonomic design with intuitive controls and pre-programmed positions and modes to ease stress for an optimum mission success.

The same applies for the SUGV 310, the “smaller Brother” of the PackBot.

Team Information

Selection of scenario:

1. Reconnaissance and surveillance
2. Camp security
3. Transport
4. Mule
5. EOD

Proof of citizenship:

A copy of team leader passport will do (will not be published)!