

# Team Information

Picture of vehicle:



Name of vehicle:

A-Bot Standard



Picture of team leader:

Name of team leader:

Marek Sadowski

Team Name:

Robotics Inventions

Team E-mail:

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Website:

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Location:

Warsaw, Poland

Institution/Company:

Robotics Inventions

# Team Information

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Team Description:       Robotics Inventions company's mission is to design and manufacture semi- and fully-autonomous robots and its parts to allow human tele-presence in harsh and extraterrestrial environments as well as to undertake dangerous and/or repetitive tasks on human behalf. Robotics Inventions is a Research & Development company specializing in autonomous robotics and vision and sensor systems, offering consulting and subcontracting of the design and development phases of the projects; developing prototypes; creating short product series; full product design and offering products as OEMs

Robotics Inventions is going to present its corner-stone terrestrial product for Industrial, Prevention and Public sectors: A-BOT robot. The A-BOT robot is designed to be a powerful semiautonomous scouting capillary propelled mobile vehicle extensible with an additional 100kg payload suitable for urban and off-road applications, generally divided into the following types of full and semi autonomous scenarios:

- scouting scenario
- patrol scenario
- field support scenario
- intervention scenario
- mixed scenario

The Robotics Inventions A-BOT robot allows for flexible configuration of modules enabling perfect matching with requirements. The A-BOT robot platform can be configured from the following typical components:

- laser sensors
- ultrasonic sensors
- infrared sensors
- vision autonomous sensors
- GPS sensor
- vision cameras
- extension port
- silent power source
- extended power source
- autonomous module
- teleoperation module

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- mobile teleoperator suite
- teleoperator station
- cargo bay.

Sponsors: None

Selection of scenario:

Reconnaissance and surveillance

Mule

Camp security

Autonomous navigation

Proof of citizenship: