

-ROVERS + NAVIGATION KITS (RTK-DGPS)



RESCUER



GUARDIAN

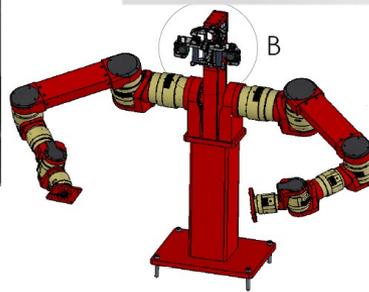
General applications:

- Field service robotics applications : non-factory robots, typically mobile, that must operate in complex and dynamic environments
- High mobility requirements including stair climbing.
- Applications where high IP level is required.
- SLAM techniques.
- Vision based SLAM.

Specific applications:

- Forestry robots: surveillance, fire detection, etc.
- Security: surveillance, perimeter patrol, etc.
- Civil Protection applications
- Site protection
- Security check robot
- Military applications
- Law enforcement applications
- Inspection in environments inaccessible to humans

-ARMS + HANDS + TORSO KITS (WAM, MODULAR. HYDRAULIC)



General applications:

- Applications where the arms have to cooperate or work in the range with persons (WAM 25W - 7DOF).
- Contact with environment or collisions. WAM is able to collision without damage and is inherently compliant. → mobile robot platforms.
- Haptics applications where the operator has to remotely operate the arms. WAM backdrivable technology provides the best solution to force control, allowing high precision force control only by reading the motor current consumption.
- Cooperative manipulators, grasping, body grasping...

Specific applications:

- Haptics in Manufacturing – combination of dexterous trajectory control with force/torque control
- Surgical robot – WAM is being used in medical partial-knee-implant surgeries
- Health care - Neuromuscular Rehabilitation and other human-robot contact health applications.
- Robot assistant / House hold assistant
- Research in human/primate learning and motor control / Neurobotics
- Human-like assembly robot

-ROVERS + ARMS + STEREOHEAD



General applications:

- Field service robotics applications
- High mobility + handling requirements
- Mobile manipulation
- Telerobotics

Specific applications:

- Forestry
- Agriculture robots: precision agriculture, etc.
- Maintenance robots / cleaning
- Civil Protection applications
- Search and Rescue
- Military applications including EOD/IEDD
- Inspection in environments inaccessible to humans
- Robot assistant in industrial environments
- Robot assistant in security context

