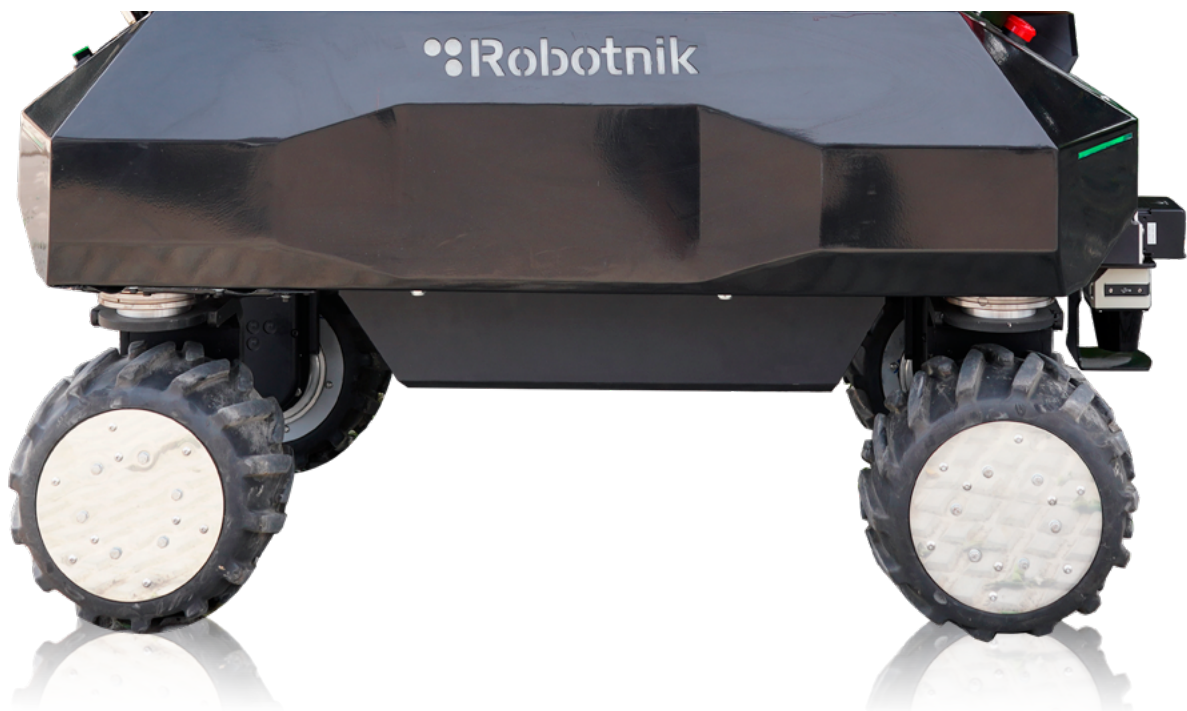


RB-VOGUI

AUTONOMOUS MOBILE ROBOT (AMR)

DESIGNED FOR **OUTDOOR**
APPLICATIONS DUE TO ITS
VERSATILITY & HIGH MOBILITY

-  AGRICULTURE
-  CONSTRUCTION
-  RESEARCH & DEVELOPMENT



RB-VOGUI

ROBUST AND COLLABORATIVE

RB-VOGUI is a general purpose mobile robotic platform designed primarily for outdoor tasks. This AMR is suitable for automating tasks of different nature in sectors such as R&D, agriculture or construction.

COMPONENTS INCLUDED

- CPU Intel i7
- Safety Pack
 - » 2D Safety Outdoor Scanner x2
 - » Safety PLC
- RGBD Camera
- 4G Router
- IMU
- GPS
- Battery 48VDC@30Ah
- Charging station

OPTIONAL COMPONENTS

- 5G Router
- AI + Vision Package
- 3D Localization and Navigation Package
- Load Basket
- Telescopic column

MECHANICAL

| | |
|---------------------|--|
| Dimensions | 1.044 x 776 x 742 mm |
| Weight | 165 Kg |
| Payload | Up to 150 Kg |
| Speed | 2,5 m/s |
| Environment | Indoor / Outdoor |
| Enclosure class | IP53 weatherproof |
| Autonomy | Up to 6 h |
| Traction motors | 4 x 500 W with brake |
| Kinematics | Omnidirectional / Dual Ackerman |
| Localization system | SLAM |
| Temperature range | -10°C to + 45°C |
| Max. slope | 47 % |

CONTROL

| | |
|---------------|---|
| Controller | ROS Architecture |
| Communication | WiFi 802.11 b/g/n/ac Bluetooth 4.0 |
| Connectivity | USB x3 Ethernet x2 HDMI x1 DC Power Output |

BLUEPRINTS

