

# RB-VOGUI

AUTONOMOUS MOBILE ROBOT (AMR)

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



AGRICULTURE



CONSTRUCTION



RESEARCH & DEVELOPMENT



# RB-VOGUI

## MULTI-PURPOSE ROBOTIC PLATFORM FOR OUTDOORS

**RB-VOGUI** is a general purpose platform designed for outdoor R&D tasks, allowing the development of final applications in sectors such as agriculture or construction. It stands out for being the only outdoor omnidirectional robotic platform available in the market.

### INCLUDED COMPONENTS

- CPU Intel i7
- Safety Pack
  - » 2D Safety Outdoor Scanner x2
  - » Safety PLC
- RGBD Camera
- 5G Router
- IMU
- Battery 48VDC@30Ah
- Charging station

### OPTIONAL COMPONENTS

- GPS
- Base station
- Load Basket
- AI + Vision Package
- 3D Localization and Navigation Package

## 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 2 Architecture
Communication	WiFi 802.11 b/g/n/ac Bluetooth 4.0
Connectivity	USB x3 Ethernet x2 HDMI x1 DC Power Output

## BLUEPRINTS

