

# 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@29Ah
- Charging station

### OPTIONAL COMPONENTS

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

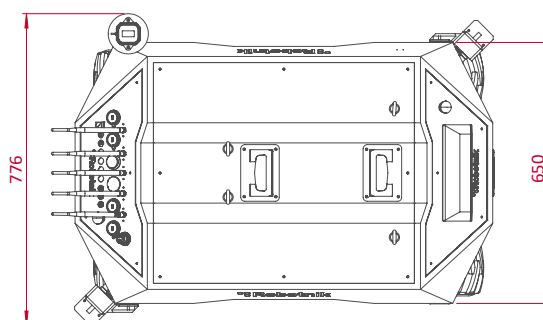
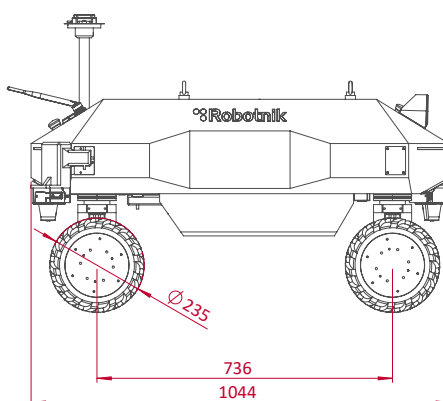
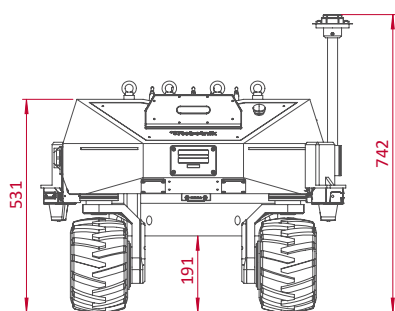
## MECHANICAL

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

## CONTROL

Controller	<b>ROS 2 Architecture</b>
Communication	<b>WiFi 802.11 b/g/n/ac</b> <b>Bluetooth 4.0</b>
Connectivity	<b>USB x3</b> <b>Ethernet x2</b> <b>HDMI x1</b> <b>Power Outputs:</b> <ul style="list-style-type: none"><li>» 12V</li><li>» 24V</li><li>» VBATT</li></ul>

## BLUEPRINTS



# Generation ROBOTS

Brand of **NGX** ROBOTICS



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