



ANT ROBOTICS

ADIR

MOBILE ROBOT PLATFORM

Reliable mobile robot system for industrial environments - flexible, heavy-duty and economical. The platform can be configured and expanded to your needs.



ROS COMPATIBLE

Can be outfitted for remote control, people following or driving along defined routes



INDOOR / OUTDOOR

Suitable for combined indoor and outdoor operations, navigation in various environments



HEAVY DUTY

Designed for continuous & reliable operation under the most severe conditions



INTRODUCING ADIR, THE INDUSTRIAL ROBOT PLATFORM

ADIR is ROS compatible enabling the robot platform to be connected to all available ROS libraries, e.g. navigation using navigation_stack or localization using robot_localization.

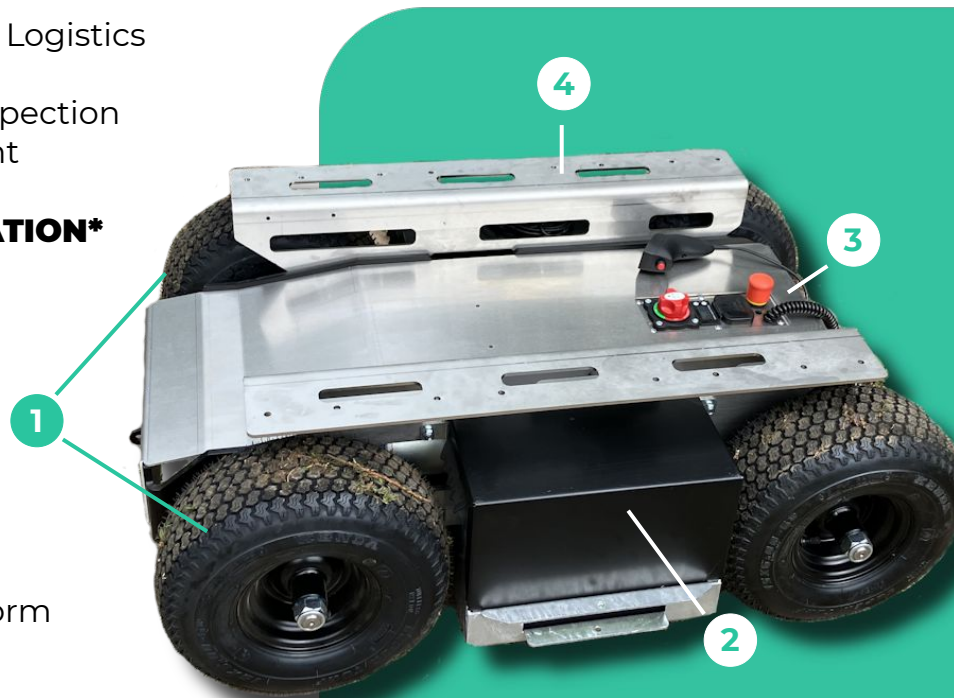
ADIR is very robust and strong enough to carry loads of over 400 kg.

ADIR is easy to use with an included user interface (GUI) and versatile in applications concerning:

- Agricultural economics
- Industry, Intralogistics & Logistics
- Professional Cleaning
- Mining, Surveillance, Inspection
- Research & Development

ADIR TECHNICAL SPECIFICATION*

- 1 4-Wheel Drive
- 2 48V LiFePO4 Battery
- 3 Interface Module
- 4 Flexible Mounting Platform



**Specifications are for illustrative purposes only and are subject to change*

Size	1.1 m x 0.8 m x 0.4 m (L x B x H)
Weight / Payload	100 kg / 400 kg
Speed	4 km/h max.
Accessories	RC Receiver, Playstation Controller, 2D Lidar, Stereo Camera
Drivers & APIs	ROS Noetic, Gazebo
Drive	4-Wheel Electric Drive @ 1,70 kW with Interchangeable Tires
Control Modes	Kinematic
Feedback	Battery, Motor Current, Wheel Velocity, Odometry, Runtime Status, Fault Status, IMU (optional)
Communication	USB, RS232, CAN

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