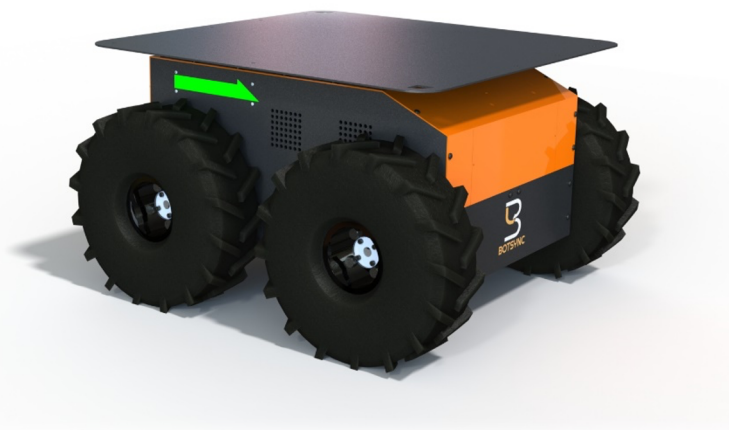


# COPERNICUS

A ground, outdoor mobile robot platform built to accelerate your research efforts.



## Size and Dimensions

Dimension	860 x 760 x 590 mm
Weight	75 kg
Ground Clearance	130 mm

## Payload

Maximum Payload	50 kg (linear movement), 35 kg (rotary movement)
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## Navigation

Maximum Speed	1.3 m/s
Drive Type	4 x 4
Wheel Diameter	400 mm
Minimum Turning Radius	0 degree

## Battery and Power System

Battery Chemistry	Lithium Iron Phosphate Battery (LiFePO4)
Battery Capacity	24V, 42 Ah
Charging Options	Direct Plug-in
Runtime - Standby	8 hours
Full Charge Time	3 hours
User Power	5V, 12V (regulated), 24V (unregulated, fused at 5A)

## Inferfacing and Communication

Control Mode	Kinematic Velocity
Feedback	Battery voltage, wheel odometry, control system output and system diagnostics
Encoders	Incremental
Drivers and APIs	ROS