

ROBOT TECHNICAL SPECIFICATIONS

PAYLOAD

Max Payload weight	up to 2.6 tons vehicle
Payload wheelbase	1800mm to 3300mm
Payload overhang	up to 1200mm
Payload ground clearance	down to 90mm (flat ground)
Take car duration	90s
Release car duration	60s

ROBOT

Dimensions	L4395 x W1950 x H1740
Mass	1900kg
Platform Ground Clearance	105mm (down to 5mm when sliding under a vehicle)
Max speed	3m/s
Max slope	10%
Max step overcoming	20mm

ENERGY

Battery Technology	Li-ion
Battery Capacity	19.2 kWh
Charge time (10% to 90%)	~3 hours (9kW charger)
Daily uptime	up to 20 hours
Battery Charger	3kW or 9kW
Battery Voltage	48V
Battery Charging	Autonomous charging (opportunity charging)

SAFETY

Standards Compliance	Machinery Directive 2006/42/EG
	EN ISO 13849-1
	CE
	Wired E-Stops, Fleet remote E-Stop (PLd)

WIRELESS INTERFACE

Wireless Data	WiFi 2.4GHz or 5GHz
Wireless Safety	433MHz or 920MHz

CONTROL SYSTEM

Perception Sensors	2 x 3D Lidars
	6 cameras
	4 ultrasonic sensors
Localisation	RTK GPS and SLAM centimetric accuracy

ENVIRONMENT

Operational conditions	Indoor and Outdoor
Temperature	-20°C / + 60°C