SHERPA-P

Autonomous mobile robots - transport of pallets

Safe, Collaborative, Intuitive, Multipurpose

06/2022

SHERPA MOBILE ROBOTICS

MADE IN EUROPE

YOUR MOVE TO SMART MOBILITY

Components and features at the highest regulatory level (ISO 3691-4)

SAFETY

Safety sensors
manage the virtual environment around the robots and spot obstacles on the floor

Safety electronics
validates in real time that the sensors are operational and that the given instructions are correct

Avoidance function
awards obstacles by using workaround algorithms

3D Camera (option)
navigation aid option, increases safety in specific environments

VISIBILITY

Buzzer sound
warns the presence of the robot

Identification leds
indicate the status of the robot

Bluespot
better visibility in the area nearby

COMMUNICATION

Wifi (dual band)
connection for fleet operation, administration and maintenance

USB Interface
for software updates and upgrades

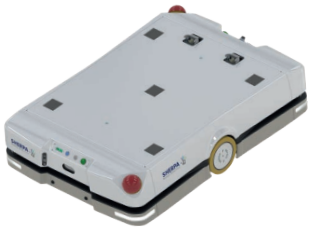
Cyber-safety
a particularly secured architecture based on a Windows10 protection via Docker

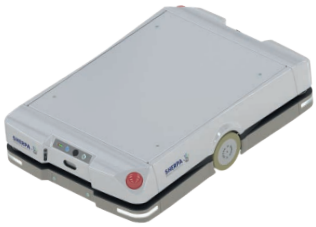
AVAILABILITY

Inductive charging
guarantees permanent availability

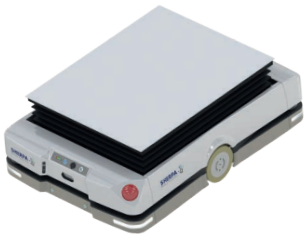
Touch pad
Unlocking and initiating transport orders

OUR RANGE


Integrator version


Single tray

Pallet lift


Lift table

Main objective
Transport of pallets

Payload
Up to 1000kg

Driving direction
Both ways

Speed
Up to 7km/h

Dimensions
1354 x 940 x 310 mm

Autonomy (Inductive charging)
Fast charging 24/24-7/7

A unique combination of modes and functions to handle an unlimited number of use cases

MAPPING

SHERPA records the data of the environment in which it has to operate with proven tracking and robust localisation technology

FOLLOW ME MODE

SHERPA follows smoothly the operator and cooperates with him thanks to its on-board sensors

AUTONOMOUS NAVIGATION

SHERPA moves in complete safety and autonomy thanks to a highly optimised navigation intelligence

FLEET MANAGEMENT

SHERPA has a robot manager who supervises the fleet in real time (positions and mission priorities)

OUR SOLUTIONS THAT MEET YOUR USE CASES

Production intralogistics

- High-speed goods transfers and handling
- Large material handling flows
- Kitting, line feeding, transfers of parts
- Palletising/de-palletising

Distribution logistics

- Smart picking solutions (mix of follow-me/autonomous and/or zone-based modes)
- 3PL, logistics operators
- Large traffic flows and handling

Specific solutions

- Automated and robotized applications

We use our range of standard / customisable robots to provide SOLUTIONS that perfectly match your use cases, relying on business integrators whenever necessary.

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