



**DRIVEN**  
BY **BALYO**

Autonomous mobile and collaborative robot for  
material handling and order picking

**2019**



# SHERPA® : a collaborative, multipurpose and configurable robot

## ■ Safe :

Operates safely regarding people, obstacles and transported material

## ■ Smart :

Highly flexible regarding initial set-up and configuration, mixed use of the follow-me and autonomous modes

## ■ Hands-on :

Quick and comfortable handling, the operator is keeping control with a progressive and smooth carry over

## ■ Plug and Play :

It requires no changes neither to existing facilities nor to customer's IT system

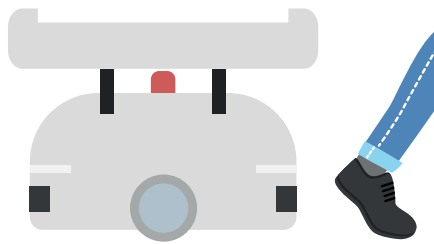
## ■ Ergonomy :

- The hands of order picking or line feeding staff are free
- It carries heavy loads instead of operators
- It saves long walking distances

## ■ More productivity and agility :

- It allows employees to focus on value-added activities
- It is fast and responsive, and adapts to the working pace of operators
- It replaces fixed and dedicated equipment so to streamline flows and to bring flexibility and space saving

## His operating modes : follow-me, autonomous and in fleet

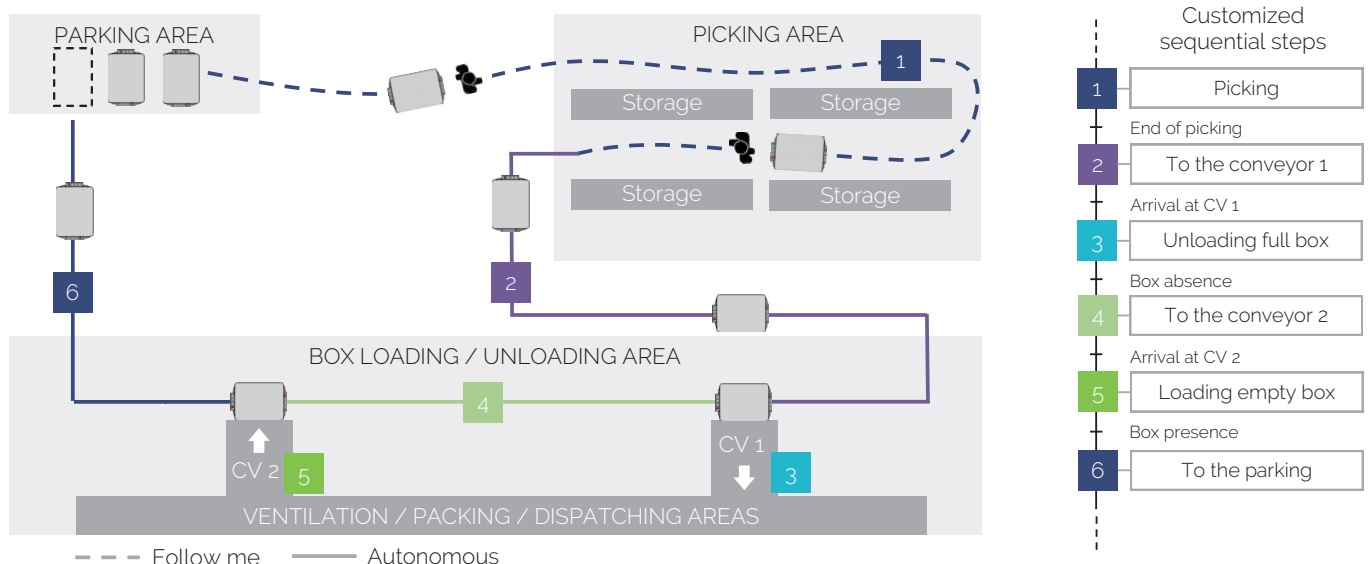


Thanks to the "Driven by Balyo" technology, SHERPA® is able to work :

- in a safe « **follow-me** » mode, avoiding obstacles, reversible, suitable for narrow routes
- in an « **autonomous** » mode, identifying its surroundings, operating sequential work orders, and selecting the most efficient route to its destination, safely avoiding obstacles and people without need to alter facilities
- in a « **fleet management** » mode automating work orders and transport tasks, and selecting best-suited robot on position and availability

It also has a tool (Mission Manager), that allows the customer to program his sequences himself according to his own applications, and to connect with a WMS if required.

## Example of application in mixed use



## Available configurations

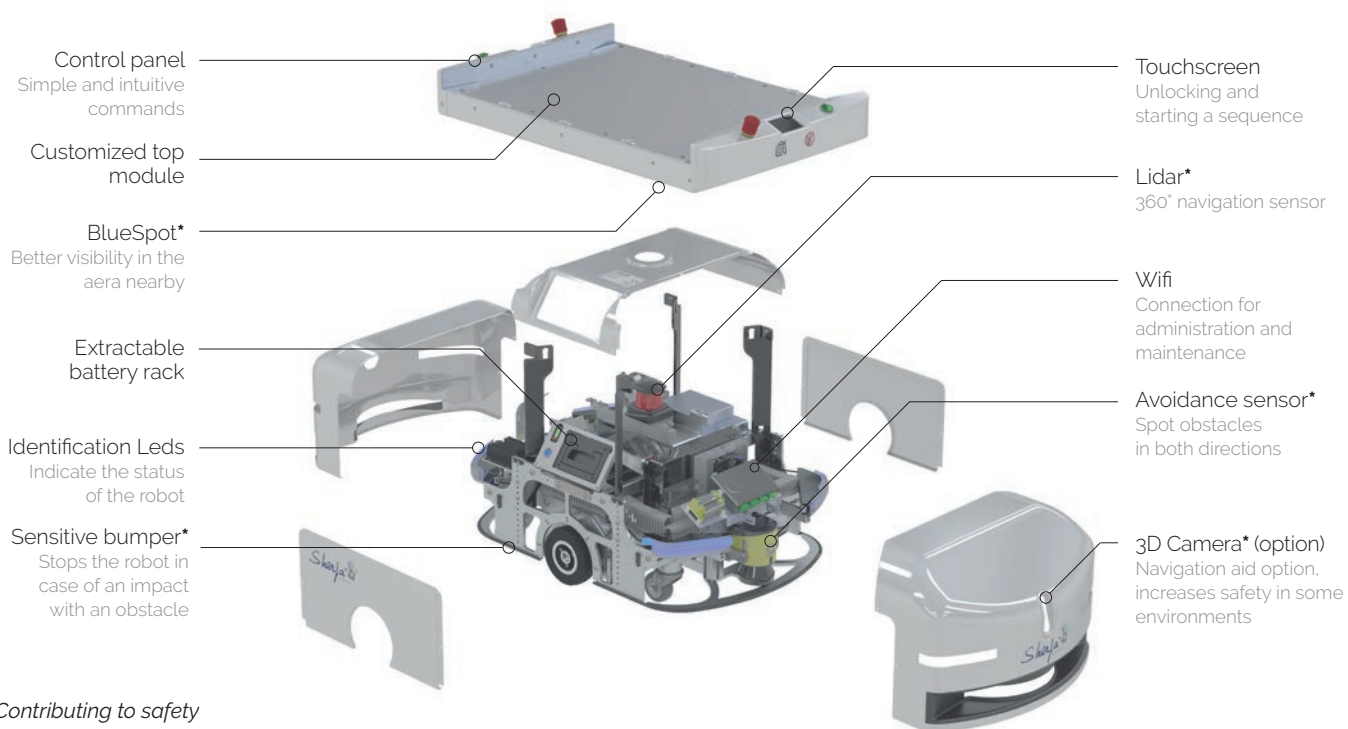


With a tray for carrying bins



With a conveyor

## Main components

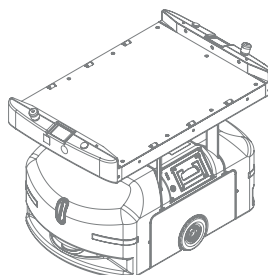
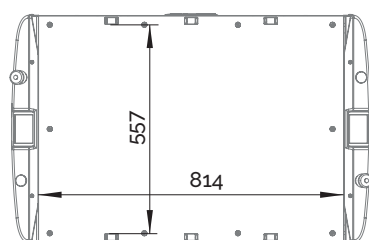
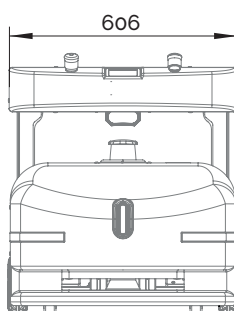
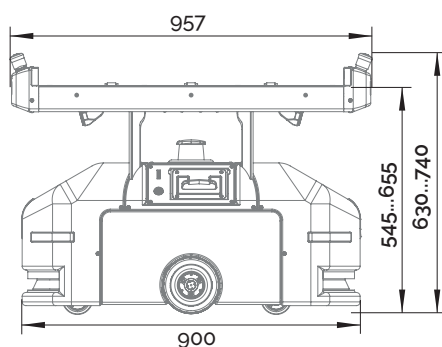


## Simple and intuitive configuration tools

- An initial set-up facilitated, for mapping and definition of working areas
- Ability to set assignments, and to optimize and control routes
- Visualization of operations and maintenance data



## Technical characteristics



Loading capacity	Up to 200kg
Speed	7 km/h (max load 100kg) 4 km/h (max load 200kg)

Safety	360° around the robot CE compliance according to EN1525-1998 TUV certificate
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Battery type	Li-ion battery racks
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Operating autonomy	8 - 10hrs depending on usage
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Weight	75kg with battery rack
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Operating environment	Indoor
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## About



NORCAN is leader in France and one of the key players in Europe considering customized solutions based on aluminium profiles.

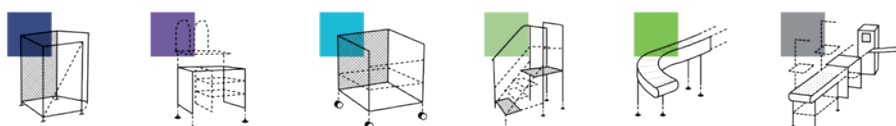
For more information, visit our website at [www.mynorcan.com](http://www.mynorcan.com).

Based on this experience, the Robotics & Distribution department supports you from the definition of your needs to the integration of the complete solution on site, including related equipment.



BALYO is a key player in robotics intelligence, transforming standard manual forklifts into autonomous vehicles thanks to its proprietary Driven by Balyo™ technology. For more information, visit [www.balyo.com](http://www.balyo.com).

NORCAN has entered into a strategic partnership with BALYO to develop the intelligence of the SHERPA® family. BALYO has a true business vision, ensures technological continuity and scalability, and operates a worldwide network (trading and maintenance).



## Contact



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