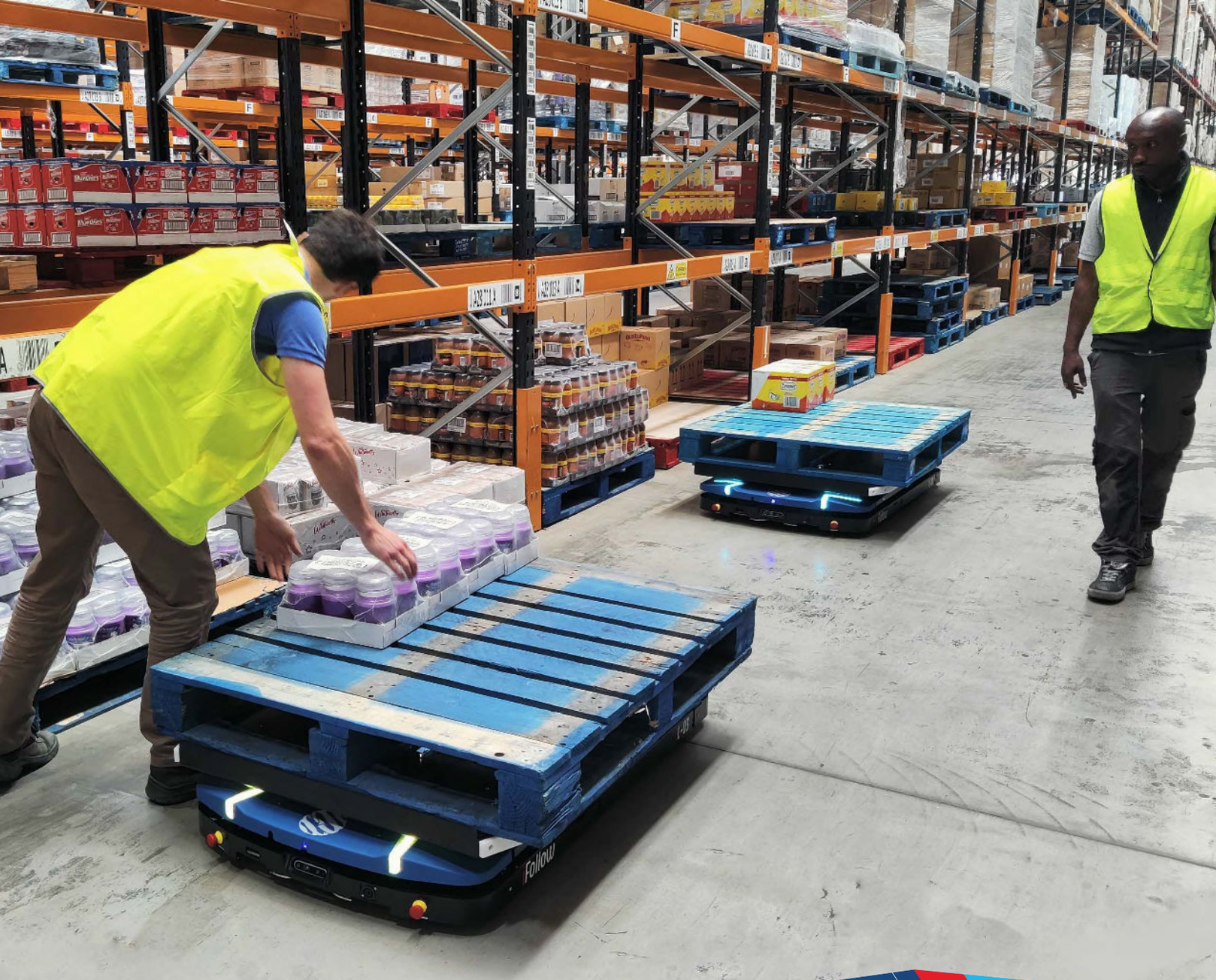


iLogistics AMR

Collaborative and autonomous robotics for logistics

www.ifollow.fr

iFollow
collaborative robotics

iLOGISTICS AMR AT A GLANCE

Pickers' right-hand assistant

Our fleet of autonomous mobile robots (AMR) assists pickers in the facility while increasing their productivity and improving their working conditions.

The answer to a global shift

Strong E-commerce growth: personalized customer experience implies more flexibility and reactivity from warehouses.

ROI 12 MONTHS

AUTONOMOUS
picking operations assistant

PRODUCTIVITY BOOST
for pickers

WORKING CONDITIONS
improved

ADAPTIVE
to its environment

COLD-PROOF
up to -25°C

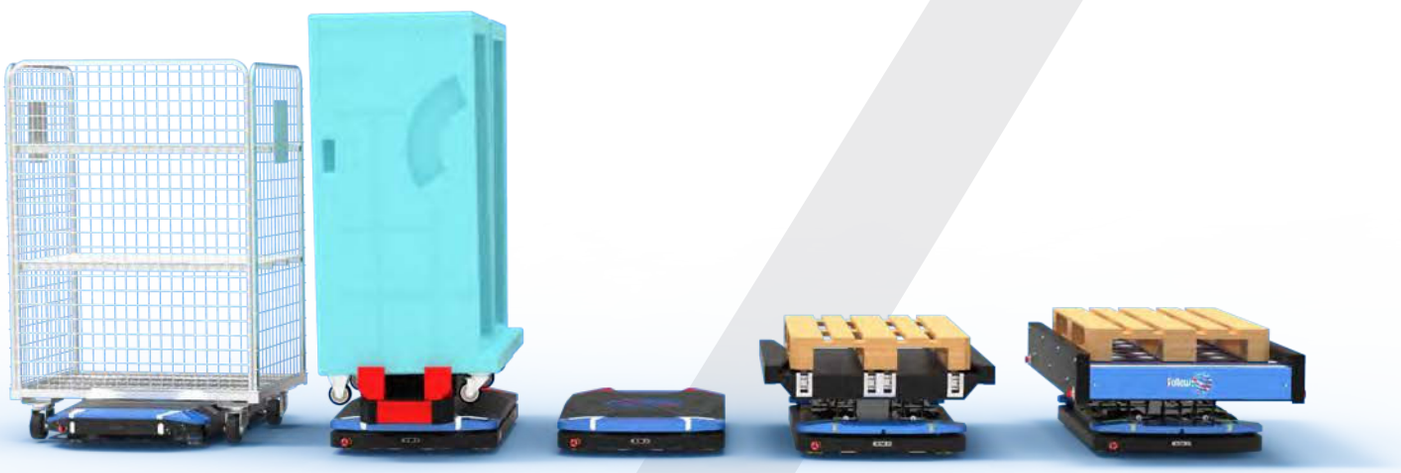
TURNKEY
solution

OUR AMR **ADDED VALUE**

- **Boosted Productivity**:
  - Reduce walking time per picker.
  - Minimize picking errors.
  - Guide pickers in the facility.
  - Quick onboarding of new pickers.

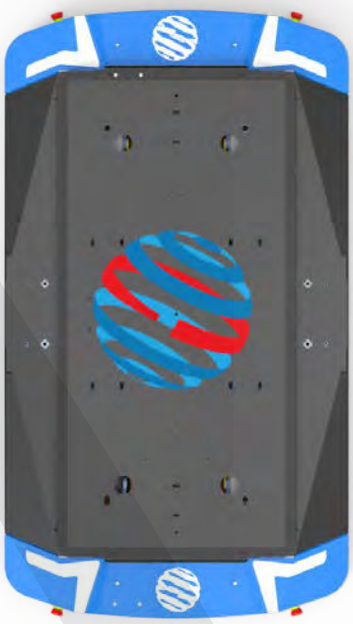
- **Improved Working Conditions**:
  - Collaborative work between pickers and robots.
  - The payload is carried by the robot.
  - Reduced musculoskeletal disorders risks.
  - Enhanced working environment attractiveness and job satisfaction.

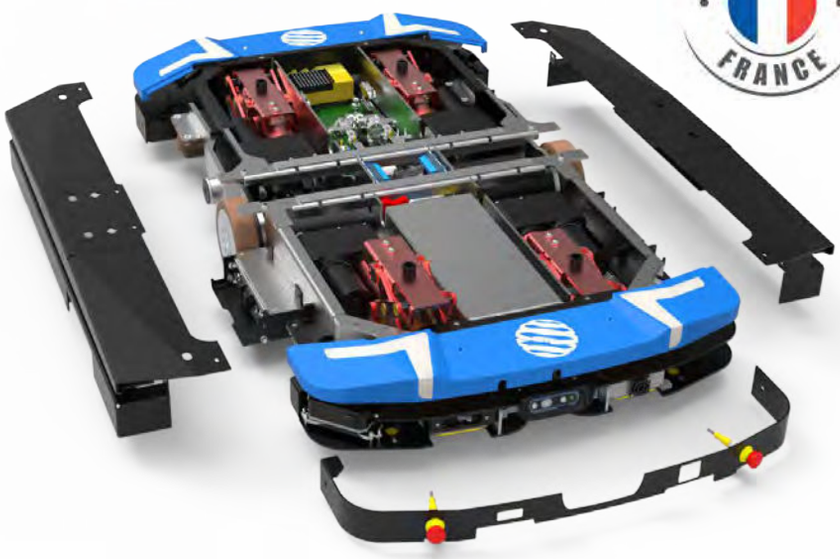
- **Flexible integration with its environment**:
  - Turnkey robot that automatically locates itself in the facility, plans optimal trajectories and avoids obstacles on its way.
  - Optimal operating temperature between -25°C and 40°C.
  - Compatibility with most roll cages and pallets
  - Adapted user interface to manage the picking process smoothly.
  - Ability to either guide or be guided by the pickers.



FAST, FLEXIBLE AND RELIABLE PICKING SOLUTIONS

TECHNICAL SPECS





THE AMR CAN MOVE
1 pallet or 2 roll cages

OPERATING TEMPERATURE
between -25°C and +40°C

SETUP TIME 25h
warehouse remains operational

BATTERY LIFE
up to 16H

TOP SPEED
7 km/h

BATTERY PACK
LiFePo 48V 55 AH

WEIGHT
200kg

PAYLOAD CAPACITY
up to 1500 kg

SAFETY
“360 secured” technology

ENVIRONMENT PERCEPTION

Pin-point precision
The two lasers of our robot provide a centimetric accuracy mapping of the facility.

“360 secured” Technology
Sick safety lidars and 3D cameras positioned around the robots to prevent any collision risk.

Stereovision detection

Our 3D camera provides a volumetric image of the warehouse and is able to track and follow the picker.

USER-CENTERED DESIGN

Collaborative and autonomous robots for picking operations

Use cases

iLogistics thrives on maximizing pickers' productivity, by lifting the weight off their shoulders.

- **Group picking**: Robots guide pickers to the proper products locations, following the pre-charged order. There is one robot per picker.
- **Zone picking**: Pickers are allocated to designated zones and take the products to the robots carrying the right order.
- **Flow picking**: Pickers serve the robots moving around them with articles close to their location. A swift coordination between pickers and robots is required to make sure that pickers keep on feeding robots. Robots' flow is faster than pickers' flow.

Integration and connectivity

Compatibility with any WMS & WCS.

INTUITIVE INTERACTION BETWEEN PICKERS AND ROBOTS

ROBOT FLEET MANAGEMENT

- **Robot to robot collaboration**: Our fleet of robots is interlinked so that robots can share useful information with each other.
- **Path optimization** of the entire fleet of robots.
- **Obstacle avoidance technology** in a dynamic environment.
- **Fleet monitoring and visualization** in real-time of your warehouse activity.

Up to **200 AMR** per fleet

Safe traffic

Flexibility

PATENTED

OUR FLEET MANAGEMENT SYSTEM IS PATENTED

OVER-THE-AIR **SUPPORT – HYPERVISION**

Supervision: the future of customer support

- **Our "off site" management tool** makes it easy for you to perform elementary maintenance and repair operations.
- **Our diagnostics system** predicts potential failures before any dysfunction and displays clear tutorials for quick problem solving.
- **The supervision interface** enables real time visualization of performance metrics.

IoT Designed for Industry 4.0

UPDATE
Automatic firmware update

DIAGNOSTICS
Remote predictive maintenance

SUPPORT
Smart Alerts listing robots needs

OUR MAINTENANCE CREW IS **ALWAYS AVAILABLE, JUST IN CASE**

iCHARGE: INTELLIGENT CHARGING STATION

We designed our robots with built-in autonomous charging mode thanks to iCharge Technologies.

Two features available:

- **Fast charging**, to charge a robot in less than 3h.
- **Smart charging**, the charging station will welcome the most discharged robots first.

CHARGING
in less than 3h

BUILT-IN
intelligence

20 AMPS
charging

CELLS BALANCING
in real time

OVERLOAD
detection

REVERSE POLARITY
prevention system

CHARGE CYCLE
monitoring

SLOW CHARGE OPTION
to extend battery life

ELECTRIC HAZARDS
protection

IFOLLOW **TEAM**

KEY **FIGURES**

FOUNDED
in March 2017

+80 EMPLOYEES

3 funding rounds
raised since the creation

6 INTERNATIONAL
patents

Target:

+600 ROBOTS
sold in 2023

+40% PRODUCTIVITY
with iLogistics solutions

Support:

stow

bpifrance

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