XuP-Host

Autonomous, intelligent and modular, XuP-Host is a multi-purpose autonomous mobile robot. It assists staff in their support activities (baggage transport, linen transport, mail transport, surveillance assistance) and improves the customer experience (breakfast service, roomservice, etc.).

12 h
Run Time

15 kg
Payload

1.80 m/s
Max speed

User-friendly

Thanks to its user-friendly design and its ability to move smoothly in the presence of the public XuP-Host gives the «wow» effect. It will transform your customer experience into a unique one.

Flexible

XuP - Host is multi-purpose. It assists staff in the delivery of mail and parcels and becomes the perfect host for your events: small oven service, etc.

Safe

Designed according to a risk analysis following the Machinery Directive 2006/42/EC and the standard ISO 3691-4.

Options

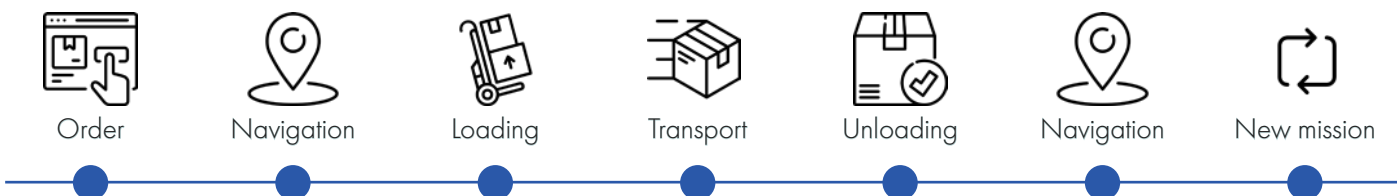Visual Warning presence system

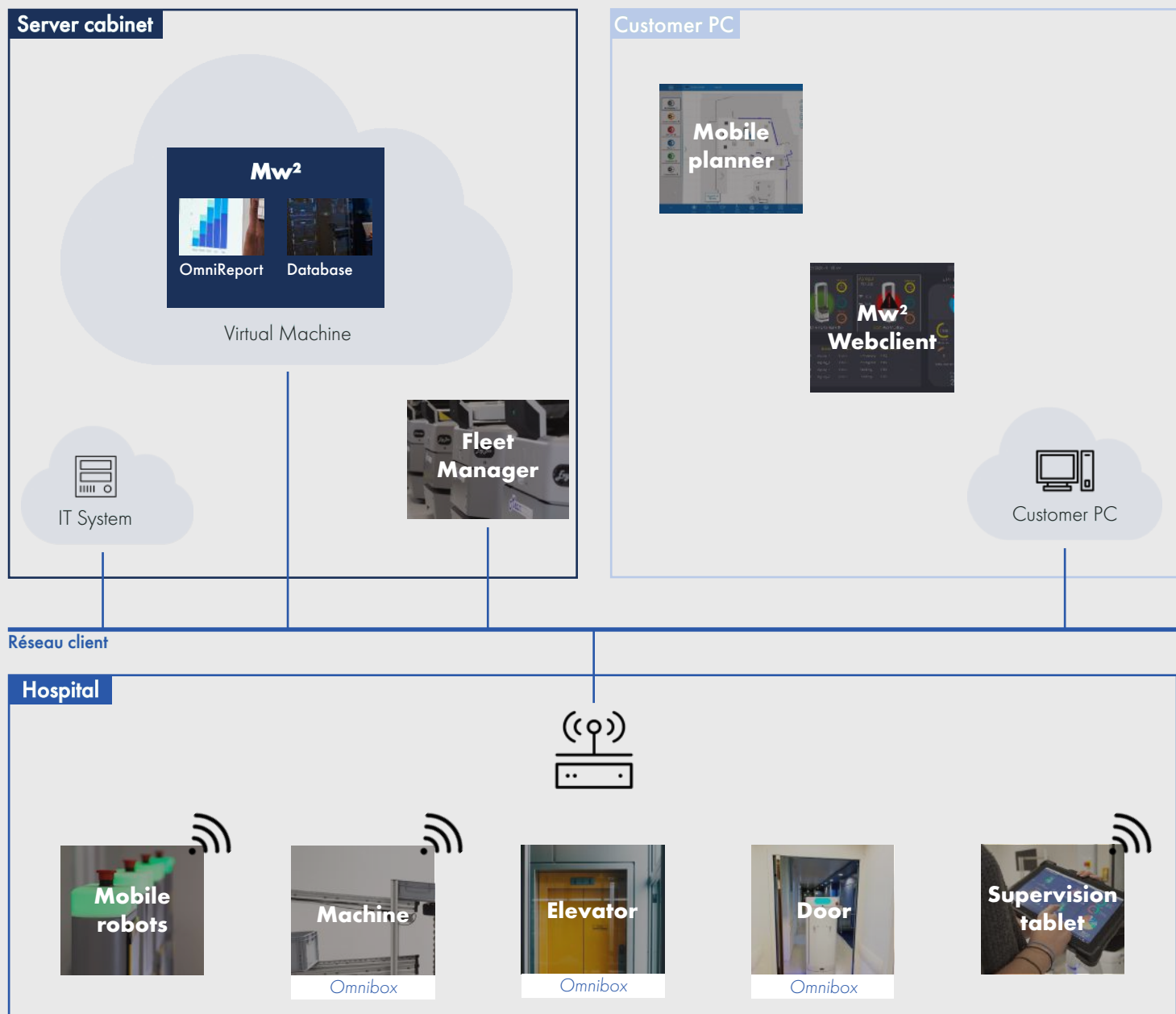Room sensors

Secure cabinet

RFID reader

A turnkey **solution**

Automatic delivery

Order	Navigation	Loading	Transport	Unloading	Navigation	New mission

Solution ecosystem

Server cabinet

Mw²

OmniReport   Database

Virtual Machine

IT System

Fleet Manager

Customer PC

Mobile planner

Mw² Webclient

Customer PC

Réseau client

Hospital

Mobile robots

Machine
Omnibox

Elevator
Omnibox

Door
Omnibox

Supervision tablet

Technical specifications

General

Max. speed	1.80m/s (6,48m/h)
Dimension (LxWxh)	700 x 670 x 1000 mm (700mm diameter)
Mechanical weight	95 kg
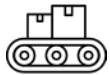
Application

Technology	Transport of euronorm container + tray
Payload	15 kg
Size of the embedded containing	Euronorm container 600x400 mm

Mobility

Navigation	Autonomous routing by localizing with safety scanning laser based on environment mapping.
Environmental map making method	Scan by walking the mobile robot through the environment.
Move	Avoidance and by passing of obstacles by calculating a new trajectory.

Human-Machine interface

Touchscreen	7'' TFT LCD screen, 800x480 pixels
Manual Mode	Two push buttons to move the robot manually if necessary

Environnement

Operating temperature range	5 - 40° C
IP Class	IP20
Application environment	Indoor use only, limited dust and oil suspension
Climb grade	Max : 8%
Floor requirement	Linoleum, epoxy or concrete (no water, no oil, no dust)

Technical specifications

Safety

Safety scanning laser	At front, Class 1 PLd safety per ISO 13841-1 15m maximum range 240° field of view
Low front laser	1 at front, Class 1 4m maximum range 126° field of view
Side lasers	1 on each side of the platform, Class 1 4m maximum range 270° field of view
Emergency Stop	2 on each side of the robot
Rear Sonar	2 at rear, 2m range
Front bumper	1 at front of platform, 2 pairs of sensors
Warning lights	Light discs on each side
Speaker and buzzer	3.5'', 80W max

Battery

Run time	± 12 hours
Recharge time	± 4 hours
Voltage	22-30 VDC LiFePO4
Capacity	72 Ah nominal capacity
Battery life time	2 000 recharge cycles
Charging method	Automatic, manual

Communication

WI-FI	IEEE 802.11 a/b/g
Bluetooth	Bluetooth 2.+ERD

Declaration

EC Declaration of conformity	CE Marking