



**Ant-like  
Poly-robots  
for moving,  
lifting and  
picking  
any load**

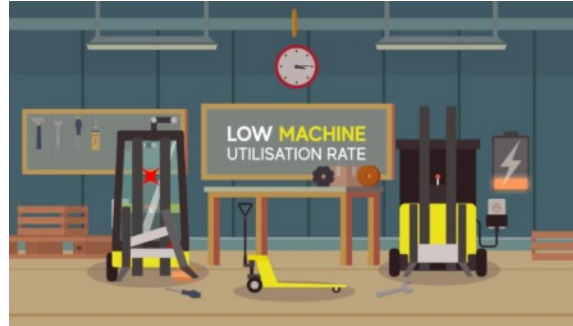
**in the sustainable  
factory, warehouse  
& construction site**

# Warehouse & Manufacture 5.0 Problems



## 1. Urban sprawl of warehouses

- Pushed by e-commerce and pandemic
- Ever increase is **non sustainable**
- **Storing more** in the same walls



## 2. Lack of productivity

- **Increasing productivity** with robots
- Less than 5% of FR warehouses use **robots**
- Too many types of machines
- Low **use rate** (<40 %)



## 3. Painful & repetitive tasks

- **Musculo Skeletal Diseases**
- **Recruitment** issues
- **Cost: 21 k€ / MSD** [Raja 25]

## Our vision

- Transporting loads of **any size, shape** and **mass**
- Robots with **20 year lifespan** fitting customer need thanks to **modularity**
- **Robot for SMEs** that do not have robots yet (**re-industrializing** France/Europe)
- MecaBotiX **Values** :
  - Robots that **help people**
  - **Sustainable** robots
  - **Disruptive** robots : **first modular AMR** (Autonomous Mobile Robots)

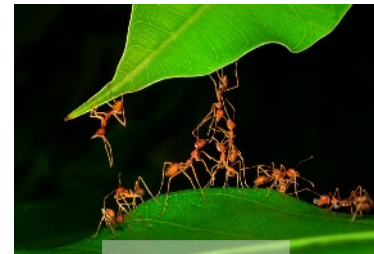
## M3-Cooper poly-robots

- **Modular** poly-robots
- Bio-inspired from **ants**
- Capable of:
  - Moving
  - Lifting
  - Picking
- Any type of payload:
  - From **1 g to 1 ton**
  - Pallets / Boxes / Products / Outsize formats
- In the **sustainable**
  - **factory**
  - **warehouse**
  - **construction site** of the future

**Modular**  
**Mobile**  
**Manipulators**  
that  
**Cooperate**



High specific  
payload



Cooperation &  
interconnection

# Our Modular Poly-Robots

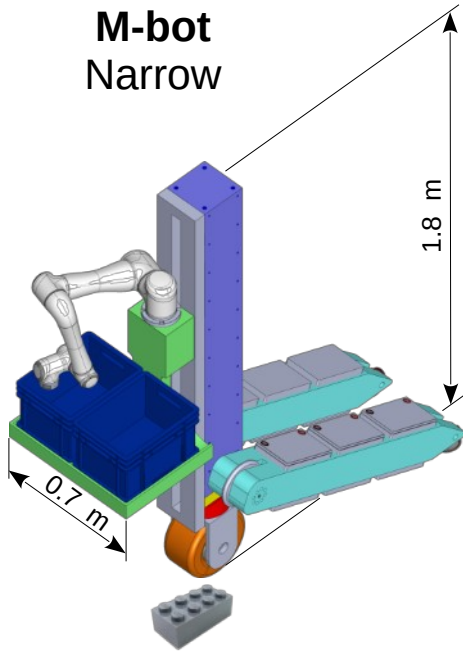
Types of payloads



100 kg

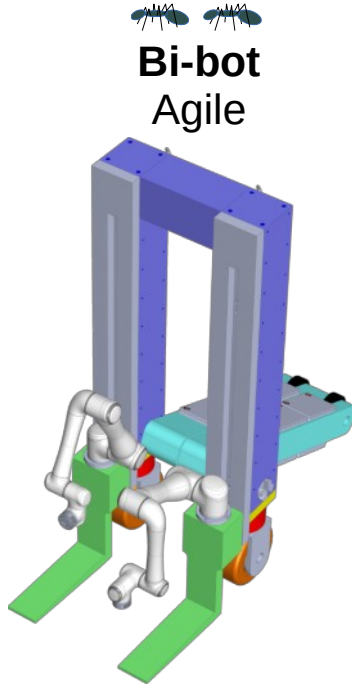
1000 kg


**M-bot**  
Narrow



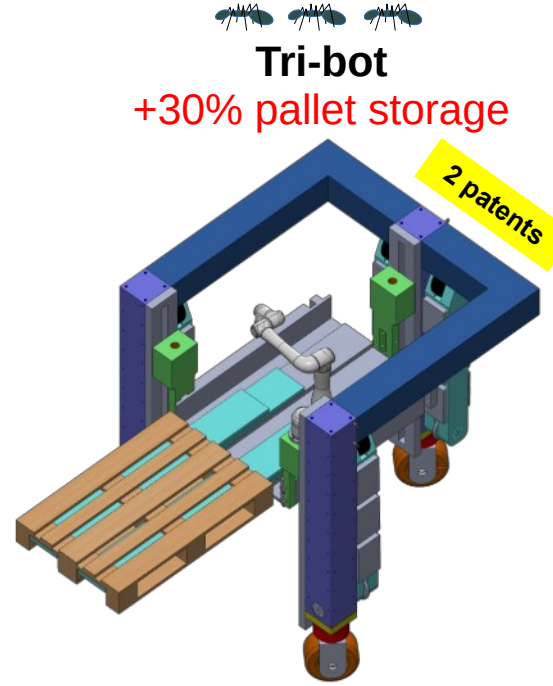
Unique Selling Point

**Bi-bot**  
Agile

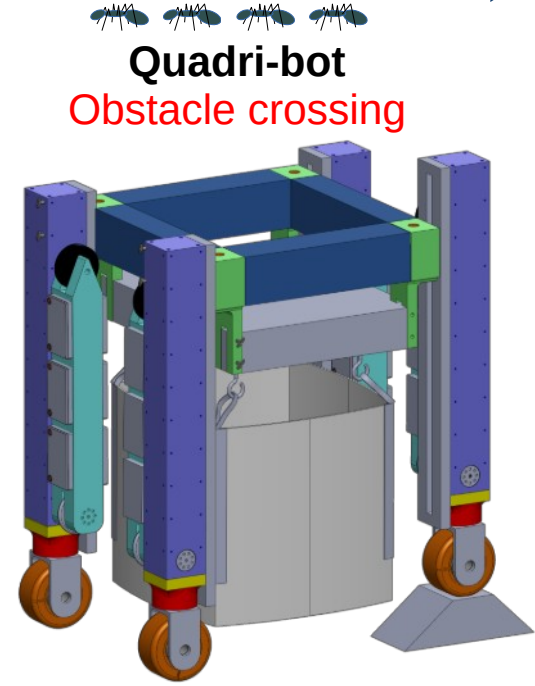


Modularity : one  to build many machines

**Tri-bot**  
+30% pallet storage



**Quadri-bot**  
Obstacle crossing



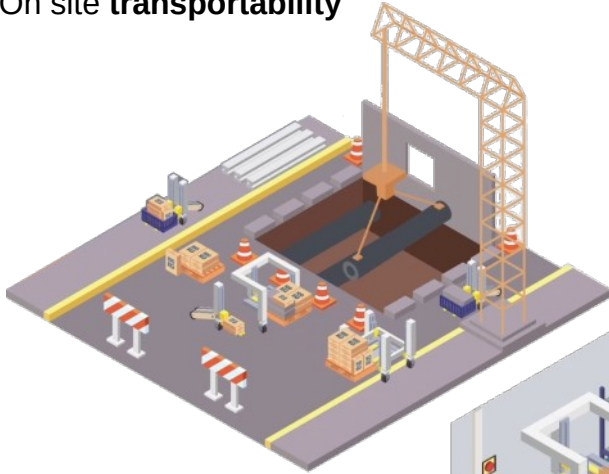
→ Failure tolerance



# User needs per market

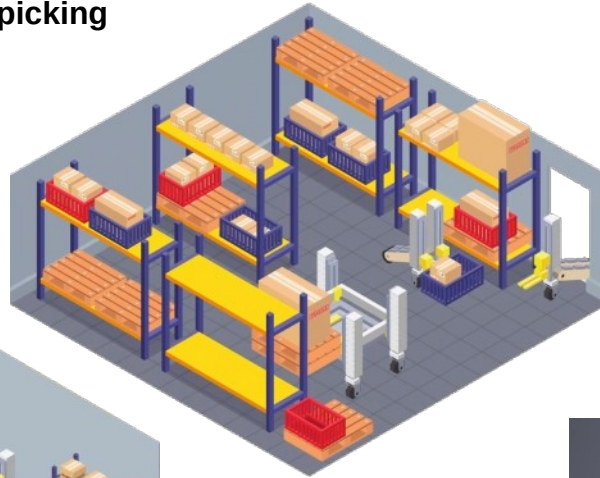
## 1. Maintenance & Construction

- Single tasks → **Tele-operated motion**
- **Outsize formats** : beams & plates
- **Door / obstacle crossing**
- On site **transportability**



## 2. Manufacture 5.0 & Small warehouse

- Routine tasks → **Autonomous motion**
- Storage at **2-3 m**
- Moving in **narrow spaces**
- Unitary **picking**



## 3. Large warehouse

- **Autonomous motion**
- Storage at **12 m**
- Better use of **higher storage**
- **Productivity** improvement
- Storage **densification**



## Common needs

- **Safety**
- Avoiding **MSD**
- Lack of **workforce**



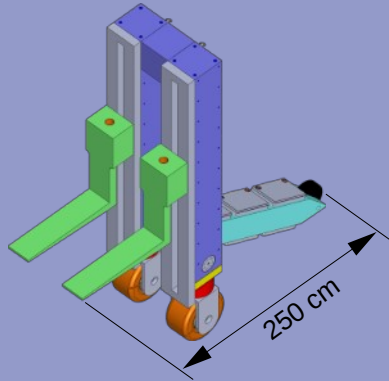
# First product to market: 1 bi-bot, 6 configs

Rear stabilizers (easy stacking)

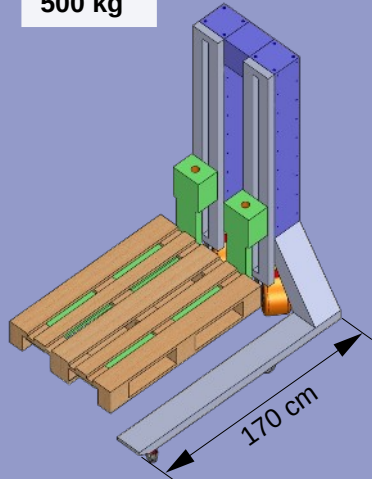


Front stabilizers (compact)

1 Bi-bot, Close columns

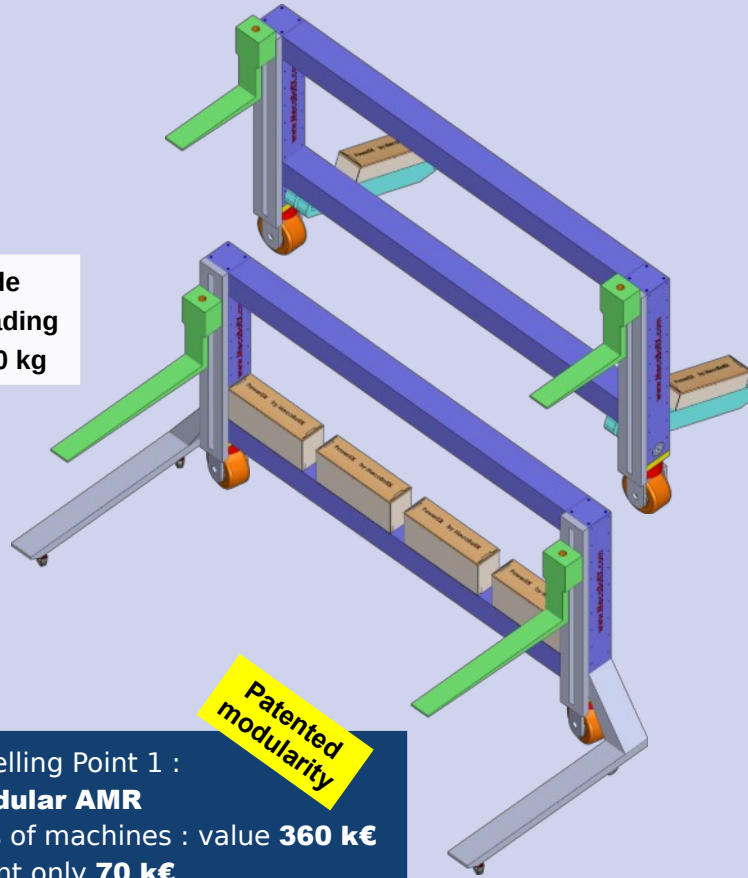


Front  
loading  
500 kg



1 Bi-bot, Distant columns

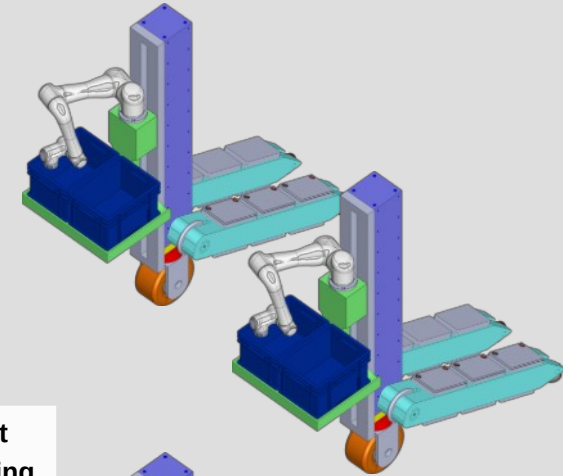
Side  
loading  
500 kg



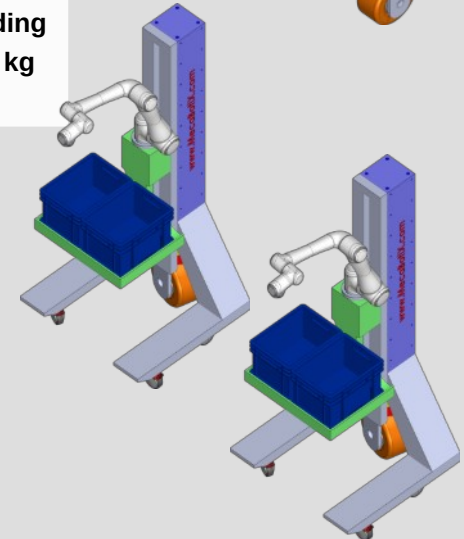
Patented  
modularity

Unique Selling Point 1 :  
**First modular AMR**  
→ 6 types of machines : value **360 k€**  
investment only **70 k€**  
→ **Sustainable** poly-robot that fits  
needs along 20 years  
→ **Failure tolerance**

2 independent M-bots



Front  
loading  
250 kg  
X 2



# Value proposition Warehouse

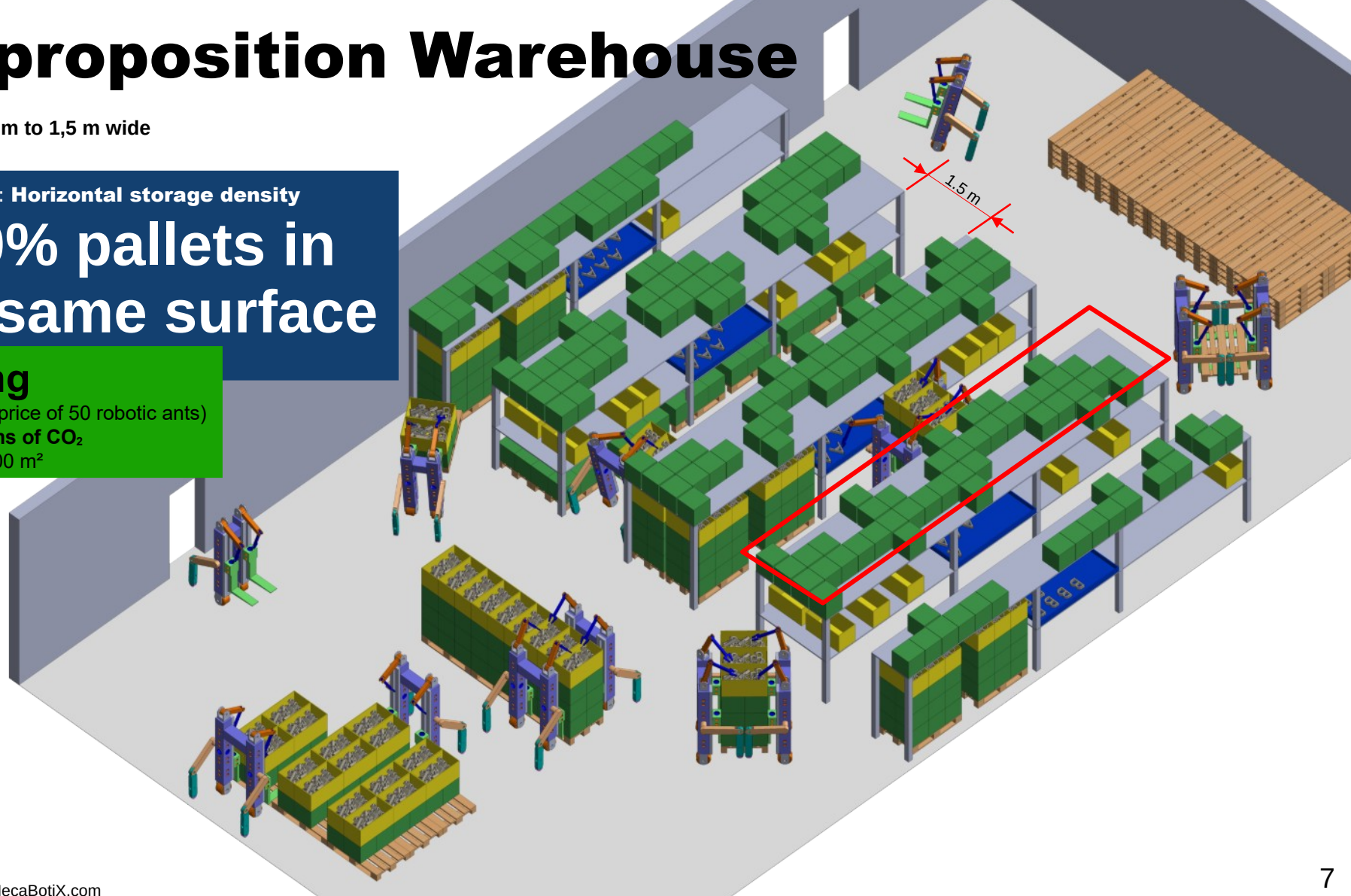
Passing aisles from 3,5 m to 1,5 m wide

Unique Selling Point 2 : **Horizontal storage density**

↑  
← + 30% pallets in  
↓ the same surface  
→

## Saving

→ 2.1 M€ (price of 50 robotic ants)  
→ 3000 tons of CO<sub>2</sub>  
every 10 000 m<sup>2</sup>





# Competition



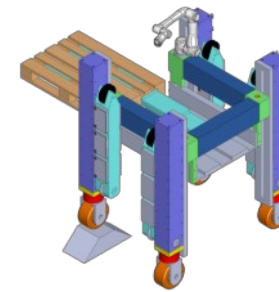
French unicorn  
Valuation  
> 2 B€

EXOTEC Skypod



Modular machines

MecaBot X M3-Cooper



- Modularity++
- Lifting & picking
- Price 30 k€
- Margin product + service

Standardized loads

Loads with varied formats

Forklift truck



AMR



AGV

Dedicated machines

FENWICK  
BALYO

STILL

JUNGHEINRICH

TOYOTA  
MATERIAL HANDLING

Yale

OMRON  
Bastian SOLUTIONS

MIR  
LOCUS ROBOTICS

SCHAFER

- 200 new brands
- Innovation ++
- Price 30-300 k€
- Lifting < 1 t
- Margin ++ on product

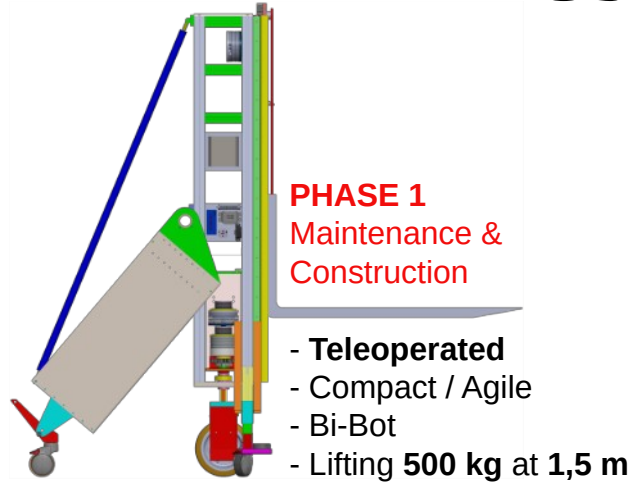




# Market access strategy in 3 phases



Prototype  
scale **1:4**



Prototype  
scale **1:1**

## PHASE 2

## Manufacture 5.0 & Small warehouse

- **Autonomous Bi-bot**
- Picking arm
- Lifting at **3 m**

## PHASE 3

## Large warehouse

- **Autonomous** Quadri-bot
- Lifting **1000 kg** at **12 m**

**Commercializing  
First product** 201

2026

**Industrialisation**  
**2025**

2025

POCS

2024

2023

2022



## Options

- **Automation Pack**  
(sensors + onboard intelligence)
- **Lifting masts**  
(various heights & speeds)

# Market size : a huge potential

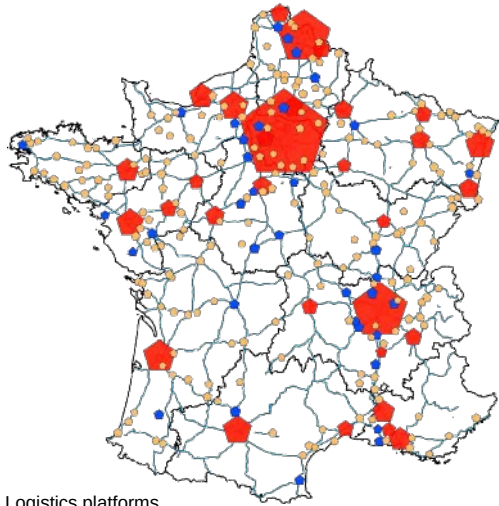
First market to enter in: France

76 M m<sup>2</sup> warehouse > 5000 m<sup>2</sup> [Hemar-Daher 19]

5% robotized [DataLab 19] → Jump in!

Indoor logistics market France  
Target share : 2%

**9,45 M€**



Logistics platforms,  
France 2015 [DataLab 15]

European market

+ 19 % T1 2021

[BNP Paribas 2021]



World market  
10 Bm<sup>2</sup> of warehouse

Logistics automation

World market :

A two-figure growth

[Markets & Markets 23] [McKinsey 21]

\$ 32,7 Billion 2023



\$ 51,2 Billion 2028



Targeted market share : 0,5 %

**256 M€**

5 letters of interest  
6 ongoing contacts  
7 supporting letters

# B2B Business Model & financial data

## Key metrics

### Robots sales

- Selling pre-configured poly-robots
- Direct sales
- Long term leasing
- On-site installation **fixed fee**

### Recurring service

- Weekly **reconfigurations**
- Yearly **maintenance** for software & hardware

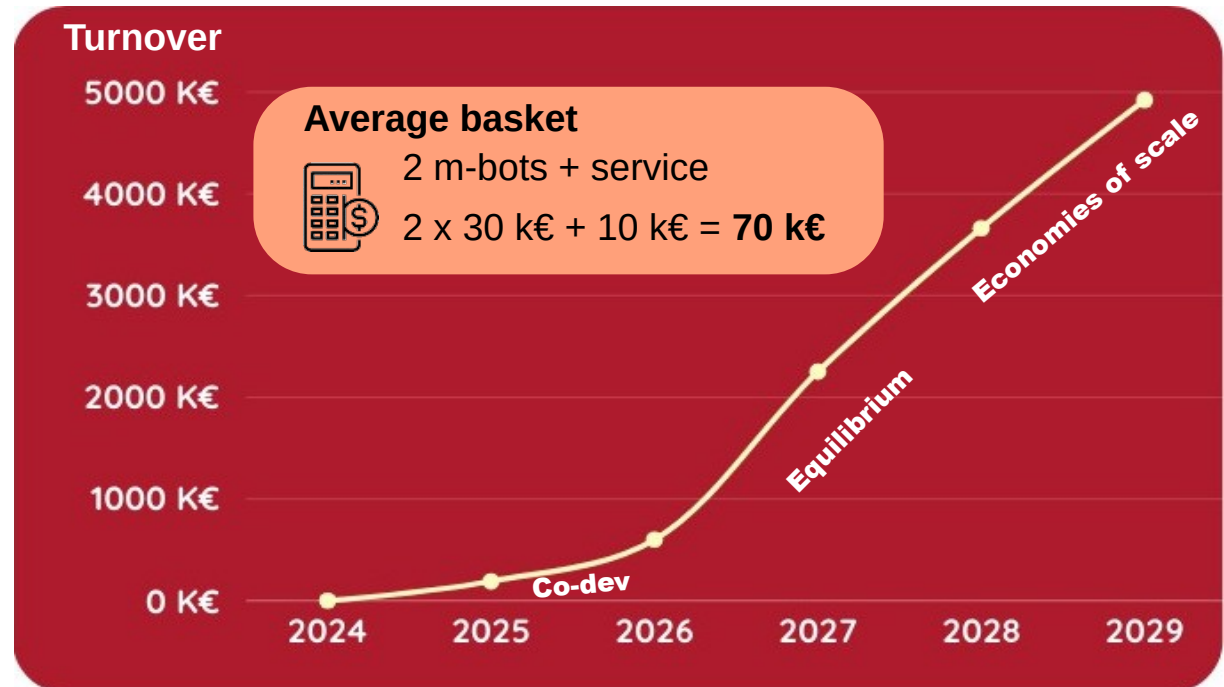
### Robot As A Service (RaaS)

via a renting network

**30 k€**  
Customer  
Acquisition Cost for  
1 m-bot

**50%**  
Gross margin

**2027**  
Expected Break-  
Even point





# Going further...



Raising

## 3 M€ on 3 years

to support our technological and commercial effort in 2025-2027

**Creation 2021:** Capital 50 k€

- French Tech Emergence (90 k€)
- i-Lab 2022 (375 k€)
- Projet EU DIH<sup>2</sup> (70 k€)

**Seed 2025 : 450 k€**

- Crowdfunding (50 k€)
- **Business Angel (250 k€)**
- BPI France lever effect (100 k€)

**A Series**

- EIC Accelerator
- European VC

### 60 % : Staffing

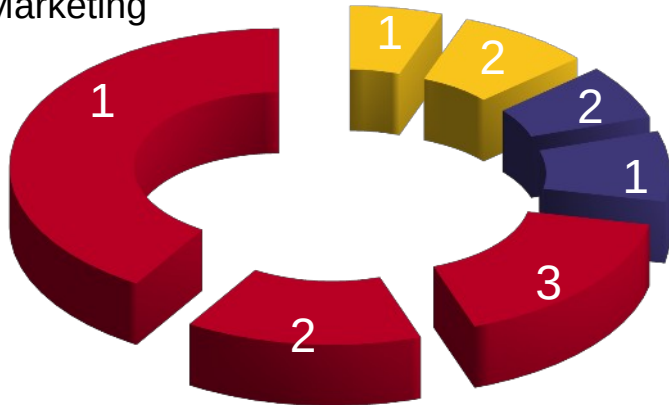
1. Engineering
2. Technicians
3. Marketing

### 10 % : IP

1. Existing patents
2. New patents

### 30 % : Industrialization

1. Design optimization
2. Production of robots



**2027**

- Q4:** USA subsidiary
- Q2:** Internationalization EU
- Q1:** Autonomous quadri-bot  
Lifting at 6 - 12 m

**2026**

- Q4:** Bi-bot update
- Q3:** Customer feedback
- Q2:** Distribution network FR  
2<sup>nd</sup> fundraising + EIC Accel
- Q1:** Sales bi-bot

**2025**

- Q4:** Certification bi-bot
- Q3:** Picking arm test
- Q2:** Industrialization  
autonomous bi-bot

**2024**

- Q4:** First fundraising

## A complementary team



**Jean-Christophe FAUROY**  
CEO, Co-founder, Ph.D.



**Zine Elabidine CHEBAB**  
CTO, Co-founder, Ph.D.



**Hélène MARIETTE**  
Fund raising, Co-founder



**Eric BALDO**  
Industrialisation, Associate



**Antoine VILLEMAZET**  
Software development, Ph.D.



## OUR STRATEGIC COMMITTEE

Gérard BRUNEL  
Factory Director  
Michelin / Sigma



Gilles ANGLADE  
Senior expert  
in logistics



Marco CALCAMUGGI  
President French Federation  
of Clusters in Robotics



Isabelle MOUNIER  
Incubator Manager  
BUSI by CAI



## A COMPLEMENTARY TEAM

- 1 volunteer in Atlanta (GA), USA
- 6 colleagues regularly consulted for sub-contracting
- A networks of 20 sub-contracting companies
- 4 apprentice students
- 2 trainees

# Conclusion & Contact

**Our ambition:**

Becoming leader

on FR/EU/US markets

of **modular mobile robots**

with **high impact** and **long**

**lifespan**

for **scalable** and **cost-effective**

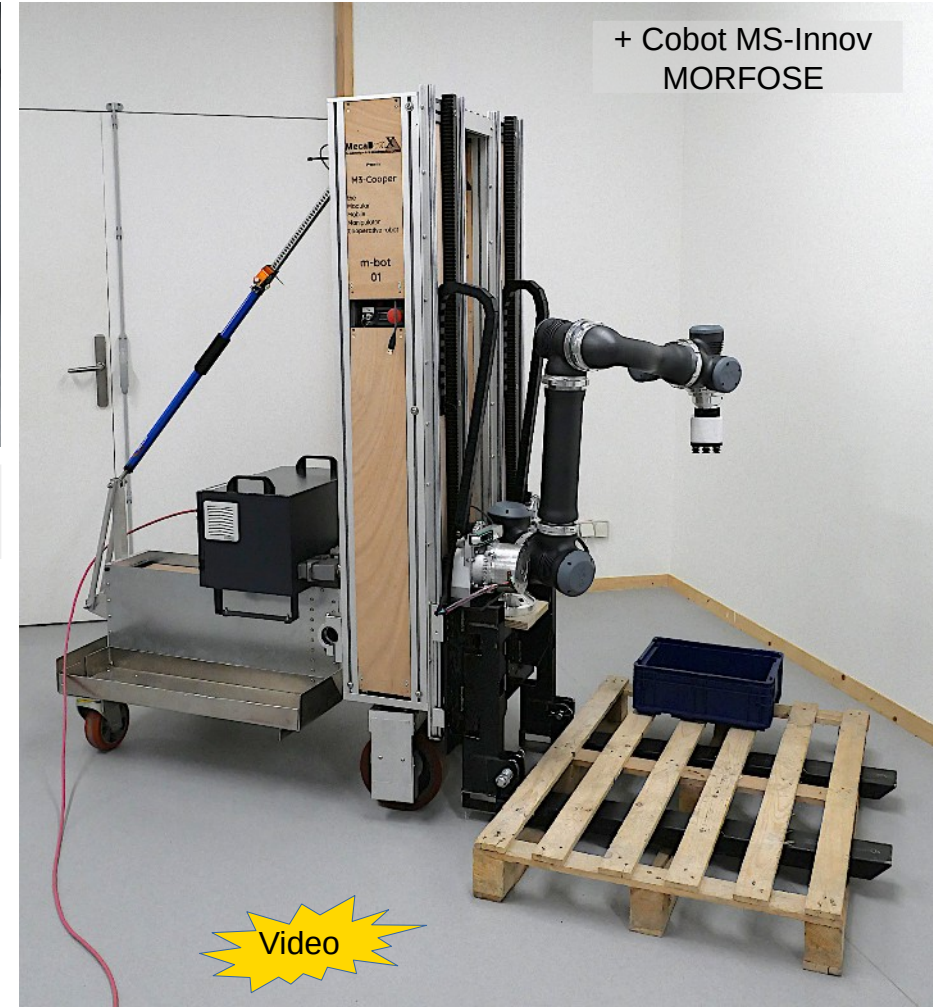
applications in the **sustainable**

**factory, warehouse &**

**construction site** of the future



M3-Cooper  
poly-robots



+ Cobot MS-Innov  
MORFOSE

Video