



Opportunities and challenges of outdoor automation for industrial logistics processes

Stellantis Sochaux, France factory use-case.

European Robotics Forum
2021-04-14



EasyMile at a glance



Since 2014



250+



30+ PhDs



5 locations

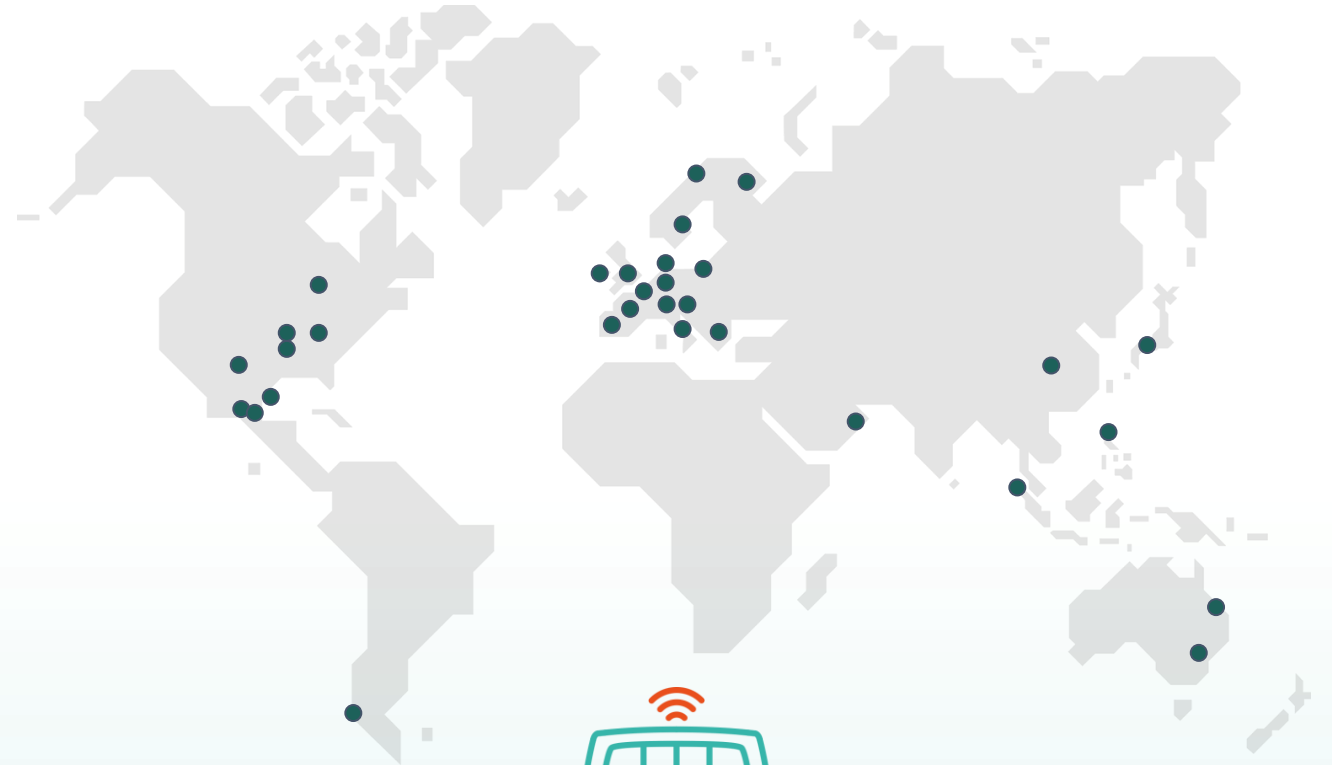


ISO 9001 certified

Shareholders and partners

Continental **ALSTOM** **bpi**france

Most autonomous vehicles deployed in the world



>160

Autonomous vehicles deployed in the world
In 30+ countries

TractEasy in Action: Autonomous Material Handling at PSA



<https://youtu.be/mSGudsE-nMA>

Moving parts indoors and outdoors 24/7

Opportunities

- Increase productivity
- Reduce operational costs
- Increase safety
- Reduce indirect costs (e.g. losses)



Challenges

- Mixed-traffic and dense environment
- Just-in-time, 24/7
- Availability ⇒ **Adverse weather operation**





AWARD

Scaling autonomous logistics



AWARD has received funding from the European Union's Horizon 2020 research and innovation program under Grant Agreement No 101006817
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AWARD Project Introduction

"The focus of this topic is to develop, test and demonstrate connected and automated systems for heavy commercial vehicles in real logistics operations." H2020 call for projects.

Ambition 1

Sensor set to reach the expected availability 24/7.

Ambition 2

Representative and scalable key pilot projects.

Ambition 3

Fleet Management for an end-to-end solution.



Kion/Linde N°2 biggest Material Handling solution provider



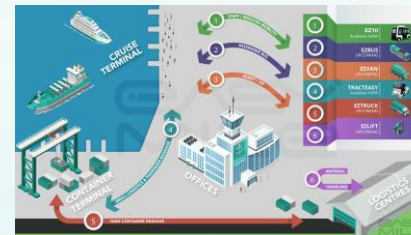
Kamag Leader in swap body truck



TLD/SAS World leader of Ground Support Equipments for airports



Terberg World leader for terminals, RoRo, yard tractors





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Thank you

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#AutonomousFuture