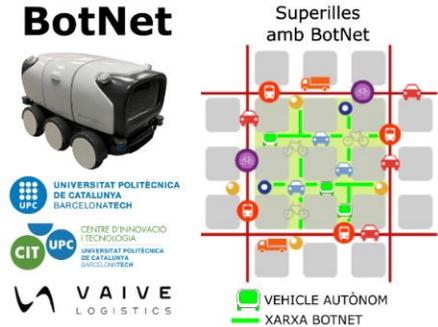


- ❖ Clément Lemardelé, CEO and co-founder of Vaive Logistics
  - ❖ Barcelona-based SME (Spain)
  - ❖ Since 2022
  - ❖ Development and deployment of autonomous delivery robots for last-mile logistics.
  - ❖ Expertise in:
    - Development of **autonomous driving software (ADS)**
    - **Connectivity and remote operation**
    - **Last-mile logistics optimization.**
- Business case analysis.



- ❖ Organisation capabilities: **own prototypes, [expertise in AV deployments](#)**
- ❖ Experience:
  - **European projects ([LogiSmile](#), [CERTAIN](#))**
  - **[EIT Urban Mobility](#) portfolio,**
  - **Spinoff from the [Technical University of Catalonia](#)**
- ❖ Topic interest: **Safe, Resilient Transport and Smart Mobility services for passengers and goods**

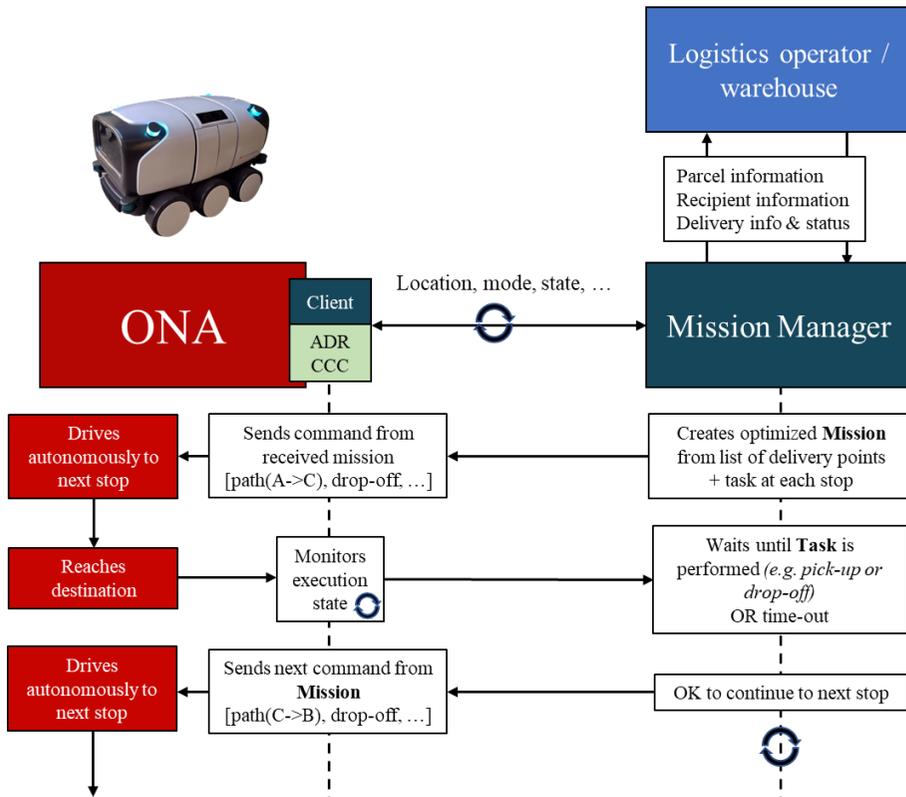


CERTAIN

LogiSmile

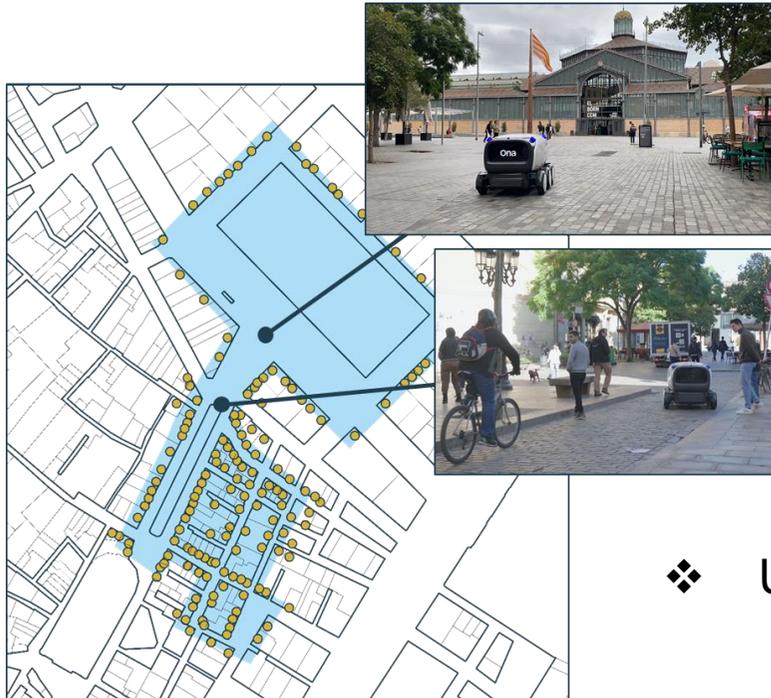


## ❖ Autonomous first / last mile connections



## ❖ Real-time visibility, tracking and predictive analytics for multimodal services, performance, and network status.

Proposed approach: **Real-Time Language Reasoning Model (including monitoring of CCAM systems and decision making process for path planning)**



**Ona bot**

I am in a large pedestrian area. I can move at my nominal speed because my path to the next delivery stop is clear.

**Ona bot**

I am reducing my speed because my environment is very crowded. I have detected that the pedestrian with ID 465 intends to cross my path so I am slowing down.

- ❖ Better tackle **long-tail events (GenAI scenarios)**
- ❖ Enhance **explainability and trust** of AV behaviour
- ❖ Ensure **safety and security**

- ❖ Understanding of **pedestrian behaviour**

### Industry clusters

### OEMs

### Technology centers

### Infrastructure managers

### Mobility operators

## ❖ Preparation of a Large Scale Demonstrator at Catalan regional level.

### Tech providers

### Universities/research groups



# Contact details

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