

PROJECT

OMNISCIENT

Prediction and optimisation platform for the mobile assets management

Funding: European (Horizon 2020)

Duration: Feb 2018 - May 2018

Status: Complete

Total project cost: €71,429

EU contribution: €50,000



[CORDIS RCN : 213660](#)

Objectives:

EverySens, a French SME expert in IoT and Software as a Service (SaaS) solutions for the traceability and logistic sectors, proposes the next generation of intelligent based tracking solutions for the market niches that face the challenges of mobile assets management.

More precisely, this project targets business holding or renting high-value assets (such as construction and public work equipment, dumpster of waste) and transport and logistic companies (e.g. rail freight logistics).

Today, most mobile tracking systems are addressed to motorised mobile assets and do not have enough autonomy to operate on non-motorised items (such as wagons or dumpsters). They ensure a so called "continuous" tracking which practically is limited to sending periodic alerts with no real-time tracking and are not based on intelligent analysis and statistics that allows forecasting. Besides, current technologies experiment from inefficient data transmission, coverage challenges in remote areas and high energy consumption for the sensors.

EverySens will offer them OMNISCIENT, a prediction SaaS platform based on bespoke artificial intelligence, not only for inventory but also to allow the real-time mobile asset localisation, management and accurate forecasting and planning to enhance operational efficiency of our clients and increase their revenues. Our technology presents a data transmission reliability of 98% and its modular structure allows to easily apply different business rules for different market applications.

In this way, our customers will be able to contribute to European Initiatives to improve railway competitiveness such as the "Shift2Rail Joint Undertaking (S2R JU) initiative" or the Waste Directive Framework to build-up the traceability capacity along the recycling value chain. With the commercialization of OMNISCIENT, EverySens expects €10.3 million of accumulated revenues in 2024, which will require to dimension the company structure with 40 additional employees.

Parent Programmes:

[H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport](#)

Institute type: Public institution

Institute name: European Commission

Funding type: Public (EU)

Lead Organisation:

EverySens

Address:

24 AVENUE GUSTAVE DELORY
59057 ROUBAIX
France

EU Contribution: €50,000

Technologies:

Electric vehicle batteries (and energy management)
Open data management platform for energy and asset management

Development phase: Research/Invention

STRIA Roadmaps:

Cooperative, connected and automated transport, Network and traffic management systems, Smart mobility and services

Transport mode: Multimodal transport

Transport sectors: Freight transport

Geo-spatial type: Other