

PROJECT

LOOP

Disrupting Logistics in Smart Cities and Regions through an Advanced Logistics Platform.

Funding: European (Horizon 2020)

Duration: Sep 2016 - Feb 2017

Status: Complete

Total project cost: €71,429

EU contribution: €50,000



[CORDIS RCN : 205070](#)

Objectives:

Urban logistics are growing every year, pressed by new eCommerce business, namely in the retail sector and requiring high service levels for logistics, and at the same time, public authorities strive to ensure the sustainability of urban mobility.

LOOP is a disruptive new way of planning and managing last-mile logistics in smart cities, bringing Suppliers, Logistic Service Providers and Public Authorities together in the same platform, by decoupling goods from last-mile logistic service providers. LOOP creates a multi-brand Logistic Service Provider federation based on Pick up and Drop off Delivery Points (PUDOs), Aggregation Boxes (AB) and pre-determined urban ring circuits that can be dynamically changed in real-time to address logistic requests on the fly and physical or regulatory constraints (traffic, municipal restrictions, etc.).

Our objective is to demonstrate LOOP in European smart cities, and prove that this is a new, disruptive way to reduce operation costs for logistic operators, while increasing service level for Suppliers and Shoppers, while respecting municipal regulations. By paying a small transaction fee per delivery, Logistic Service Providers can tap in a federated client pool based on their fleet availability and location.

We estimate that in 2020 this new market will be worth 250M € in Europe alone, and our clients are they logistic operators, that will pay a fee per delivery/pick-up service. By being a multi-brand platform, LOOP allows local SMEs to be part of the last-mile logistics, mitigating risks (large client base from LOOP) and increasing their fleet in a commercially sustainable way (no need for critical mass fleet size).

Logistema has developed LOOP as the results of over 20 years of consultancy experience on logistics for public and private entities, and we consider this to be a strategic solution and a new business line for us and the European market of urban logistics in smart cities.

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:

Logistema Consultores De Logistica Sa

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Organisation Website:

<http://www.logistema.pt>

EU Contribution: €50,000

Technologies:

Information systems
Sustainable urban mobility planning

Development phase: Research/Invention

STRIA Roadmaps: Smart mobility and services

Transport mode: Road transport

Transport sectors: Freight transport

Geo-spatial type: Urban