



PROJECT

# SENATOR

Smart Network Operator Platform enabling Shared, Integrated and more Sustainable Urban Freight Logistics

The main objective of SENATOR is to provide 4 governance schemes for urban planning policies: User demand planning, Transport planning, Freight & Logistics planning and City infrastructure focused.



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11

PARTNERS

5

COUNTRIES

€4 M

TOTAL BUDGET

4

YEARS



## Senator

01  
Challenge

The European Union faces the need of sustainable urban development due to the expected demographic evolution of the cities.

Today, approximately 75% of the total EU population live in urban areas and is expected to reach 80% by 2020 and growing by 2030. At this stage, last mile deliveries are moving a global cost up to EUR 70 billion and urban freight is responsible for 25% of CO2 emissions.

The traffic flow is inefficient, there is congestion, and the demand is increasing exponentially. The shift in consumer trends towards shared and connected services, e-commerce and better environmental conditions in cities call for new approaches to improve and optimize this part of the supply chain.

02  
Solution

SENATOR aims to create a new urban logistic model focused on the four urban layers (end-receiver, transport modes, freight logistics and urban infrastructure). For this purpose, the project will develop a smart network operator as a control tower, supported on an ICT Platform for integrated logistics operation. This allows the optimisation of freight delivery services in urban areas, leading to i) decrease the number and distance of delivery routes by real-time information, predictions & planning optimisation based on Artificial Intelligence algorithms; ii) shared-connected freight delivery services & collection points; iii) integrate all freight delivery requirements into urban planification.

03  
Impacts

The project will develop cost-effective strategies, measures and tools to achieve essentially zero emission city logistics. Moreover, it will promote new tested, demonstrated practices and solutions for better cooperation between suppliers, shippers and urban/regions policymakers (City Councils as planners), as well as making inputs for the preparation and implementation of Sustainable Urban Logistics Plans (SULP).

### IN ONE CLICK

Coordinator	Programme	Period
CORREOS	Horizon2020	2020-2024
Sector	Web	
Transport	<a href="http://www.senatorproject.eu">www.senatorproject.eu</a>	