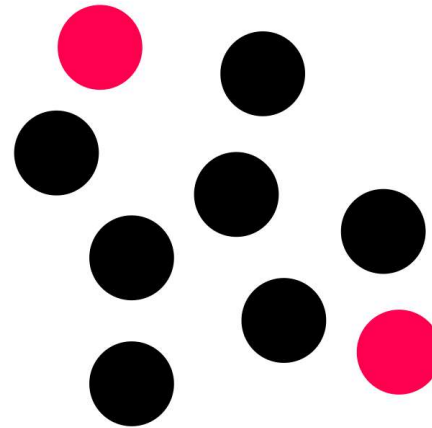


A new urban logistics
model for enhancing
the sustainability of cities



Senator

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



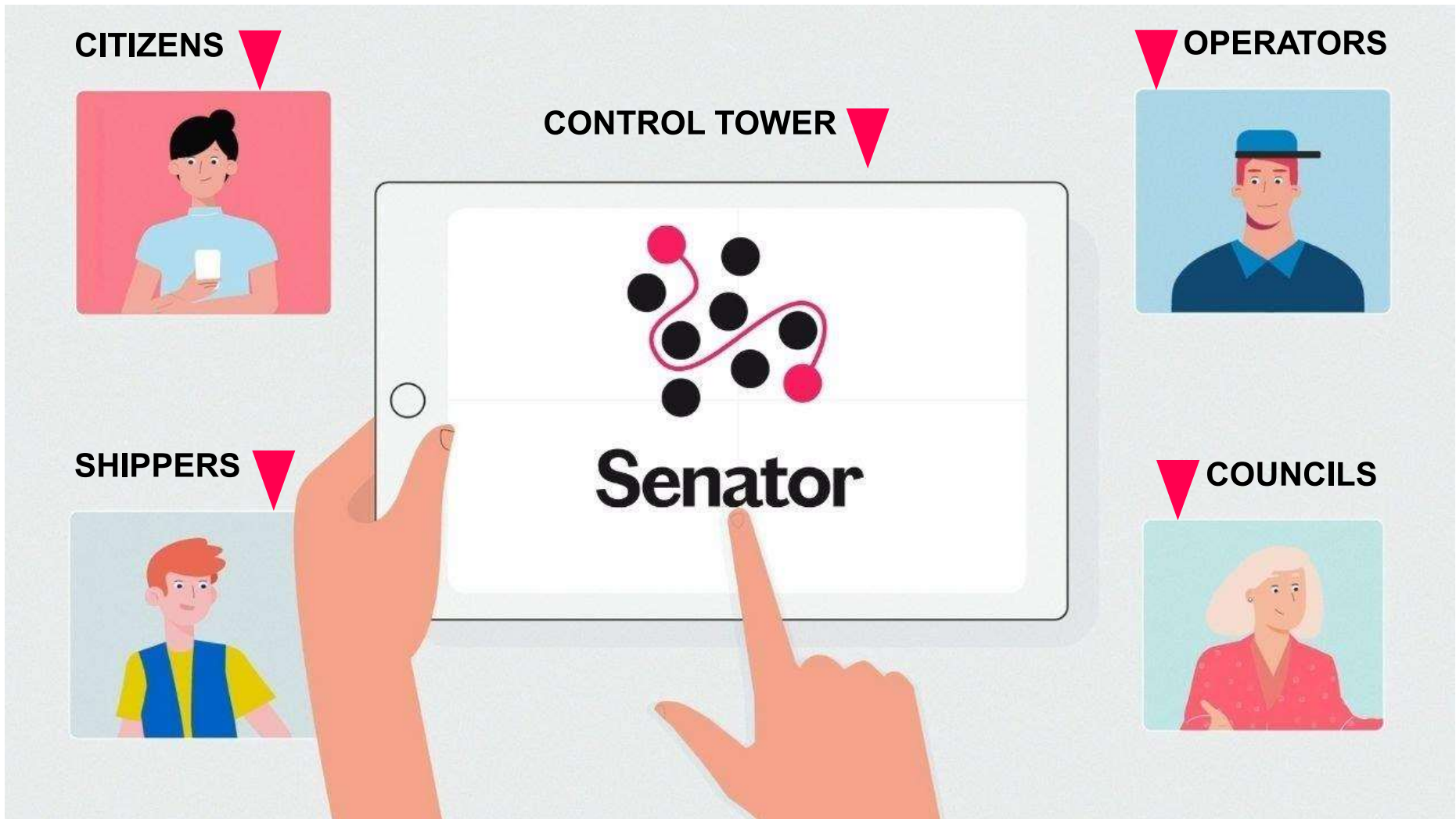
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Dublin City Council



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What is Senator?



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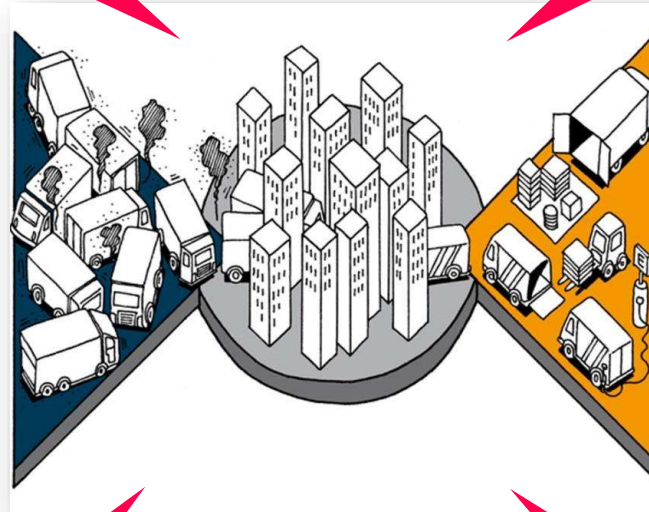
INFRASTRUCTURE



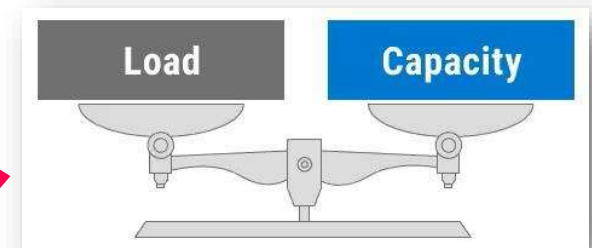
NETWORK OPTIMIZATION



FLEET MIX



LOAD BALANCE



What did we expect?

The project proposes a change of paradigm in urban freight & logistics addressing the **Sustainable Development Goals (SDG)** within 2030 Agenda:



SDG 8 **Decent work and economic growth**



SDG 9 **Industry innovation and infrastructure**



SDG 11 **Sustainable Cities and Communities**



SDG 13 **Climate Action**

Why Senator?



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1

User demand planning



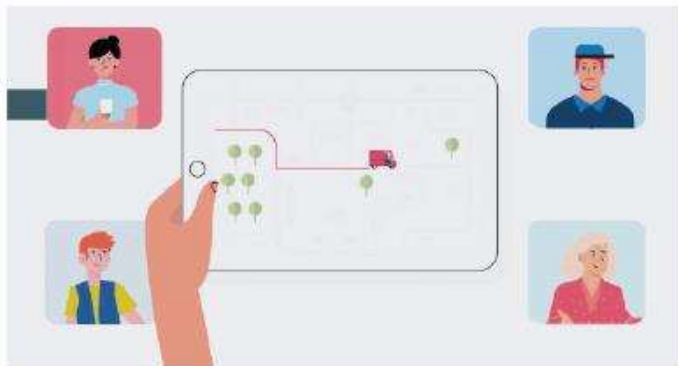
2

Transport planning



3

Freight & Logistics planning



4

City infrastructure focused



City Council

Delivery Companies

Citizens

Business

Objectives



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Project

11

partners

5

countries

2

urban living labs

48

months

4

million euros budget

Consortium



Deusto
Universidad de Deusto

Zaragoza
AYUNTAMIENTO



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Dublin City Council

software AG

MDS Transmodal
LIFE & CITIZEN SERVICES & LOGISTICS INNOVATION

RINA

zabala
INNOVATION

DOTGIS

UCD
University College Dublin
University for All

anpost
commerce



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TIONSCADAIL NA FIONNACHTAÍ
PATHFINDER PROGRAMME
Transforming how we travel



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In order to test its effectiveness, SENATOR was validated in a real environment in 2 Living Labs in Zaragoza (Spain) and Dublin (Ireland)



Urban Living Labs (ULLs)



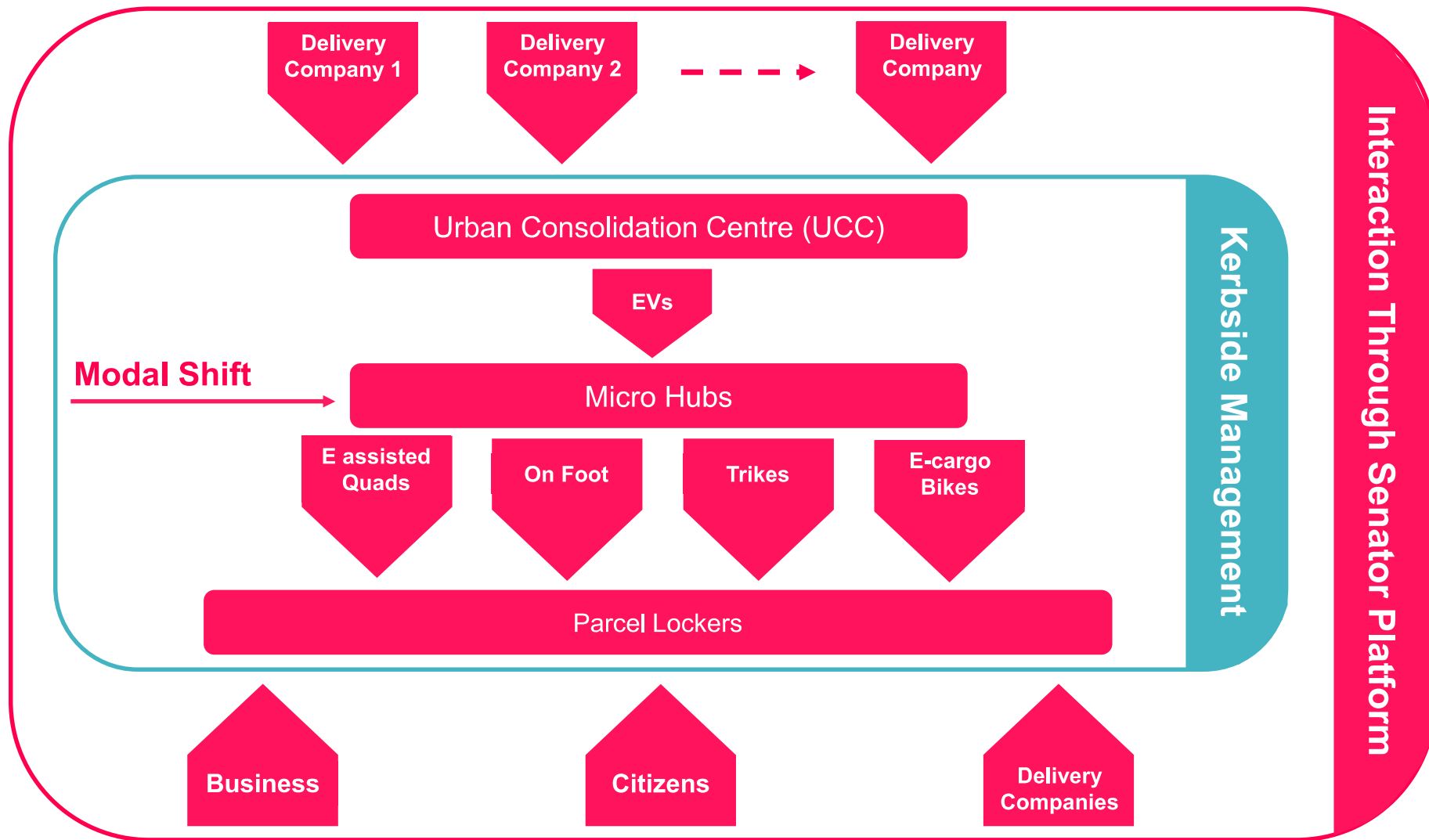
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Urban Living Lab Dublin



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Pavements are for Walking and Wheeling, for Everything Else there is The Kerbside

Why Kerbside?

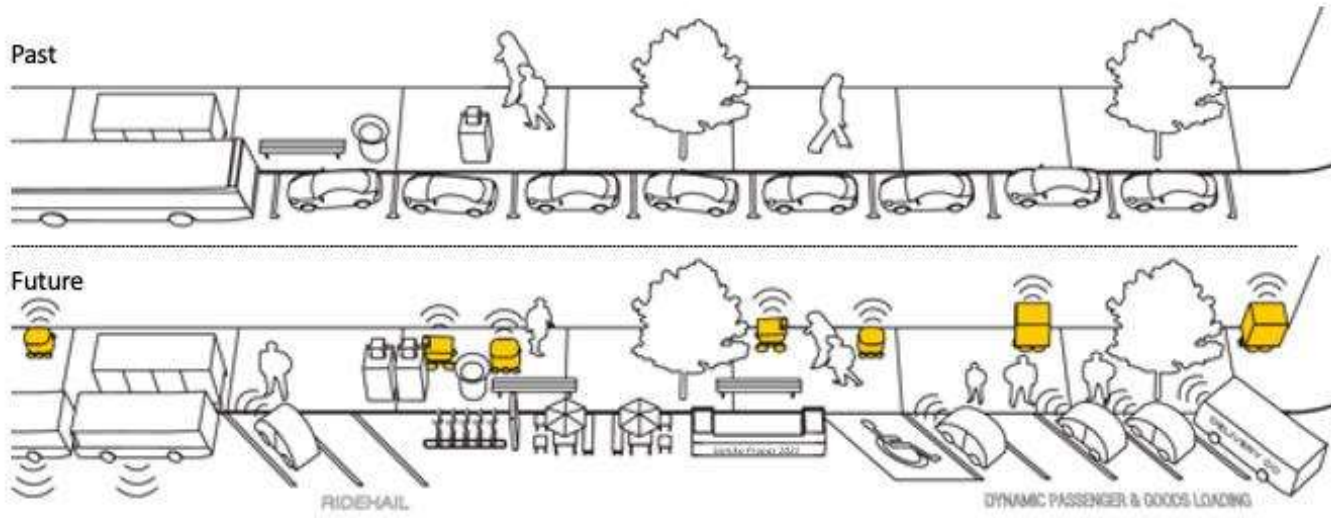
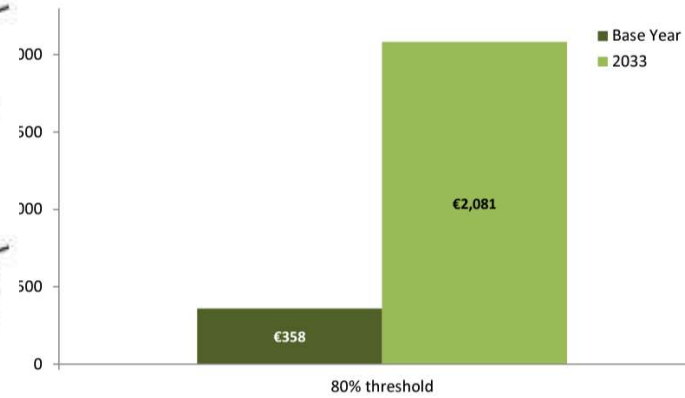


Figure 5: Annual cost of time lost due to aggravated congestion (€million)



Kicking Chaos from the Kerb

Kerbside Management

To dynamically manage kerb assets (parking and loading bays). Thus, managing the vehicle movement, generating new revenue streams for the city and aid better planning of the public realm.

Aligns with Dublin City Development Plan 2022.

Micro Distribution Centres (Microhubs)

To reduce the number of bigger, motorised vehicles entering the city and increasing the use of smaller, cleaner and zero emission vehicles for lower congestion and GHGs.

Aligns with Dublin City Development Plan 2022 and the Transport Strategy for the Greater Dublin Area.



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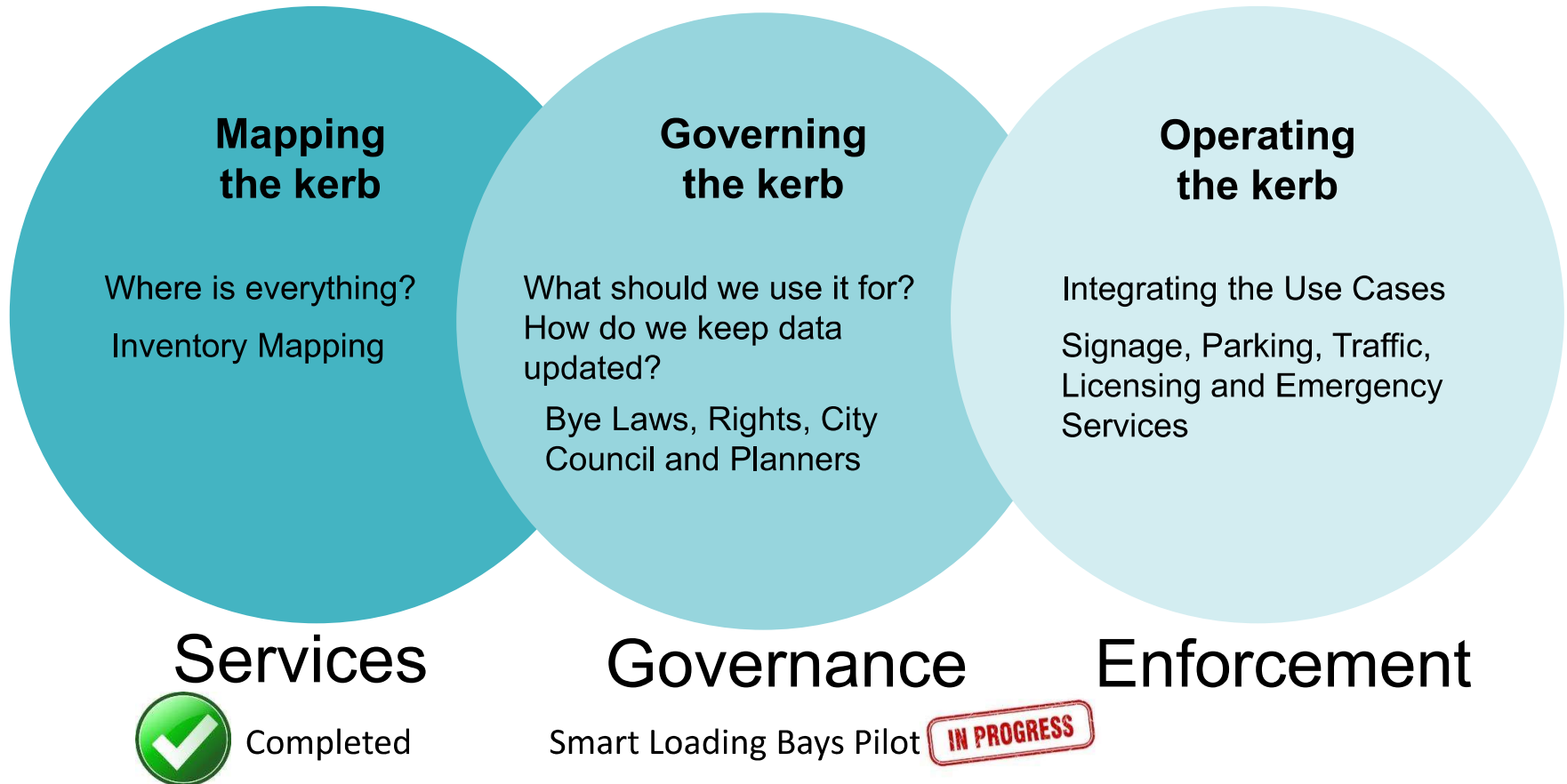


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Managing the Kerbside



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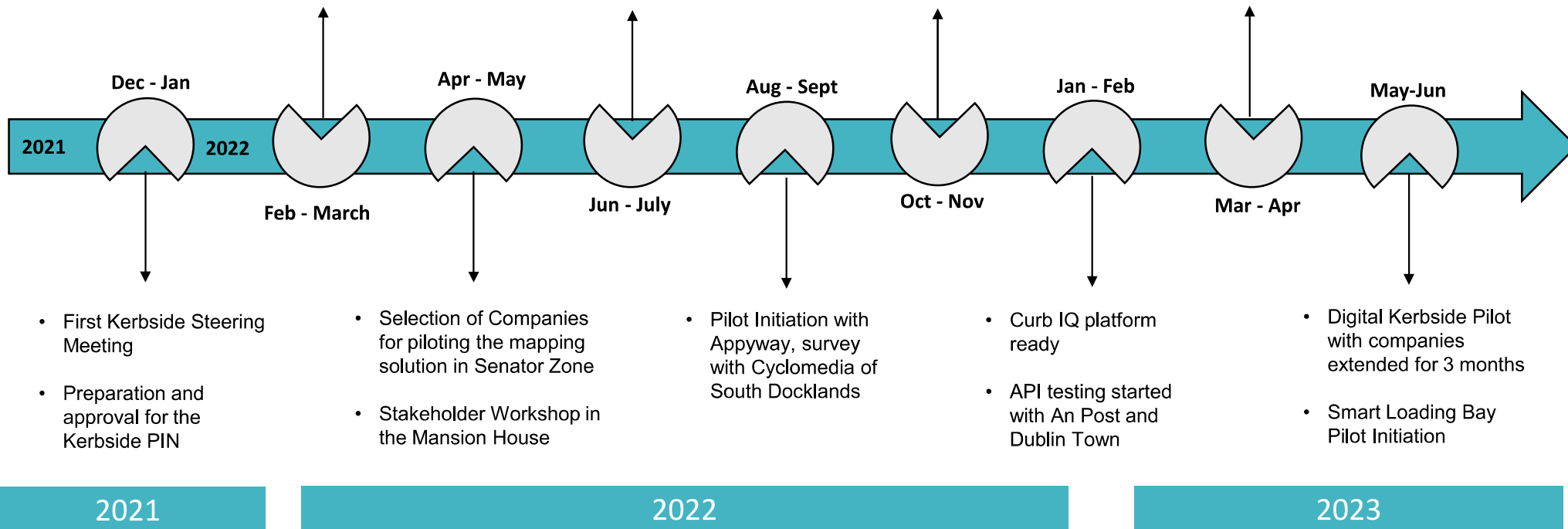
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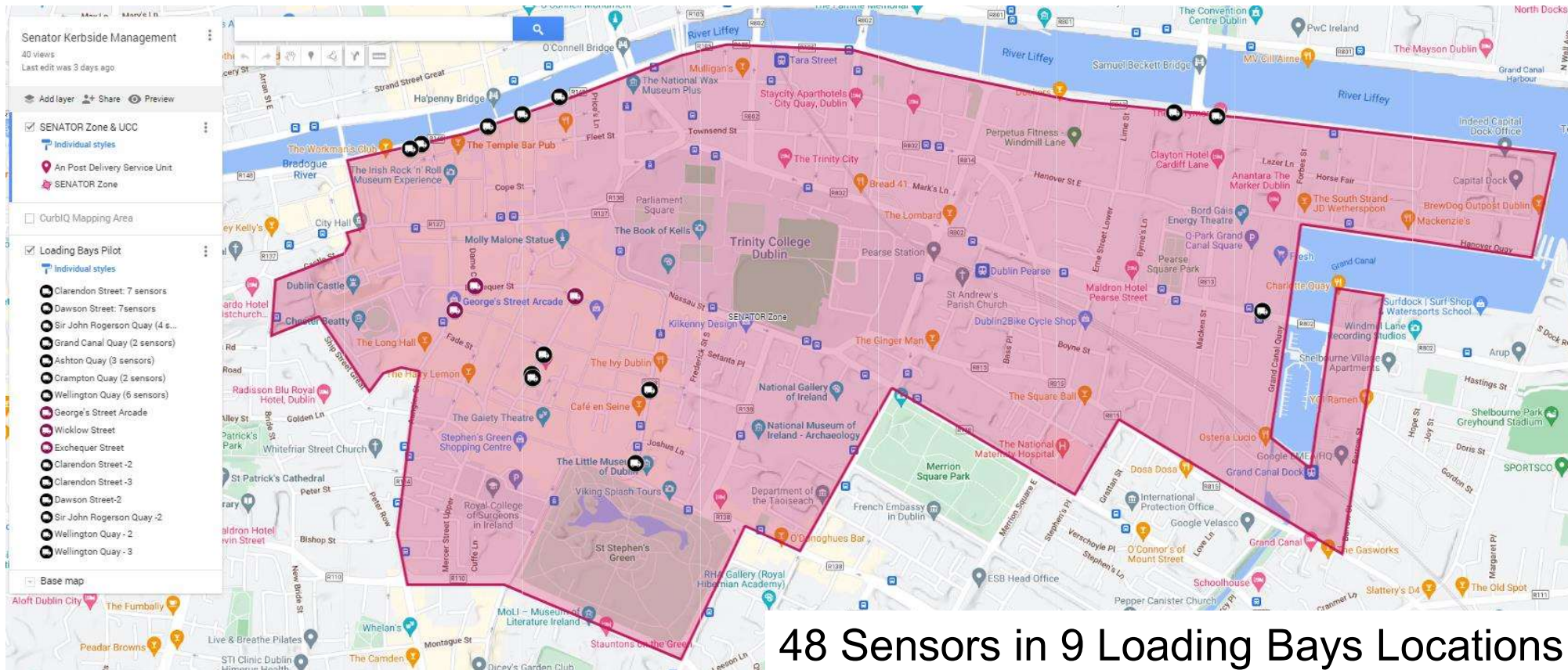
Senator

Kerbside Journey So Far....

- PIN live on e-tender for 30 days
- Steering Group met with some companies
- Building Relationships with Stakeholders through a Working Group
- First Working group meeting in The City Hall
- Surveying of South Docklands Area Completed and Maps live
- Curb IQ surveying started (delay due to legal reasons)
- Appyway and Curb IQ pilot review, API connection to Senator platform
- Preparing and releasing the Microhub PIN



Smart Loading Bays Pilot



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Thank you



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