

uvolution

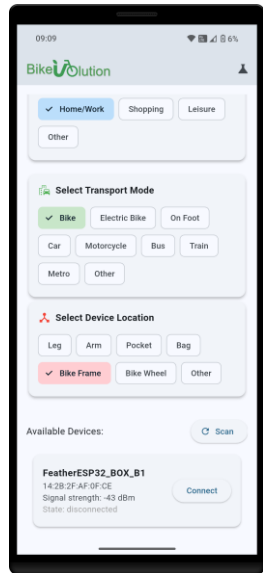
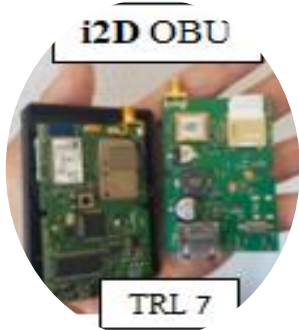
Mobility Management

i2D - intelligence to Drive and Move

Uvolution Green Lda

Miguel Aires

Company Description



BikeiVolution

UVolution Green Ltd, founded in 2023 (Lisbon, Portugal), is a spinoff of 15+ years of R&D on **Road Transport** and **Urban Mobility** Sustainability

i2D Telematics Research Platform proprietary, supporting a dozen international millionaire R&D projects since 2012

Previous EU recognition

2015: H2020 SME-I Phase 1 Grant

2018: H2020 SME-I Phase 2 Seal of Excellence

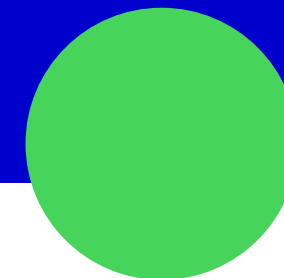
2022: EIC GHG Programme participant

2023: PRR (PT) Bike-UVolution POC (TRL 6)

2023, April: i2D-MSW project, Celtic-Next Full Label; led by UVolution

i2D Connected Mobility

Intelligence to Drive and Move



Context and Guidelines

EU ROAD TRANSPORT COSTS

EU27 +4



EXTERNAL

€ 10¹²/year

6.8% of EU PIB

€ 3.700/vehic/year

€ 0,30 / Km

ACCIDENTS

ENVIRONMENT

CONGESTION



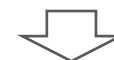
INTERNAL

Vehicle	Cost / vehicle / year
Car	€ 7 370
Van	€ 11 250
Truck	€ 130 360

opportunities

**STRENGTHEN EUROPEAN
COMPETITIVENESS**
in the mobility sector

EU DATA ACT



COMPELS OEMs to grant
vehicle owners free, direct
access to their car's data



US CLOUD ACT

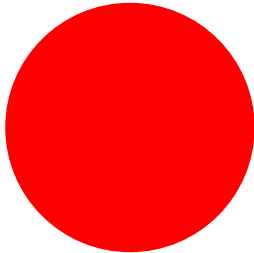


**ORACLE EU
Sovereign Cloud**



UNIQUE Top 3 Cloud
Provider that **do not**
send EU data to USA

Opportunities | Challenges



On the last decade EU failed ALL
Road Transport GOALS

Teaser

On the **next decade**

Mobility Management of Connected
Vehicles and People

can reduce

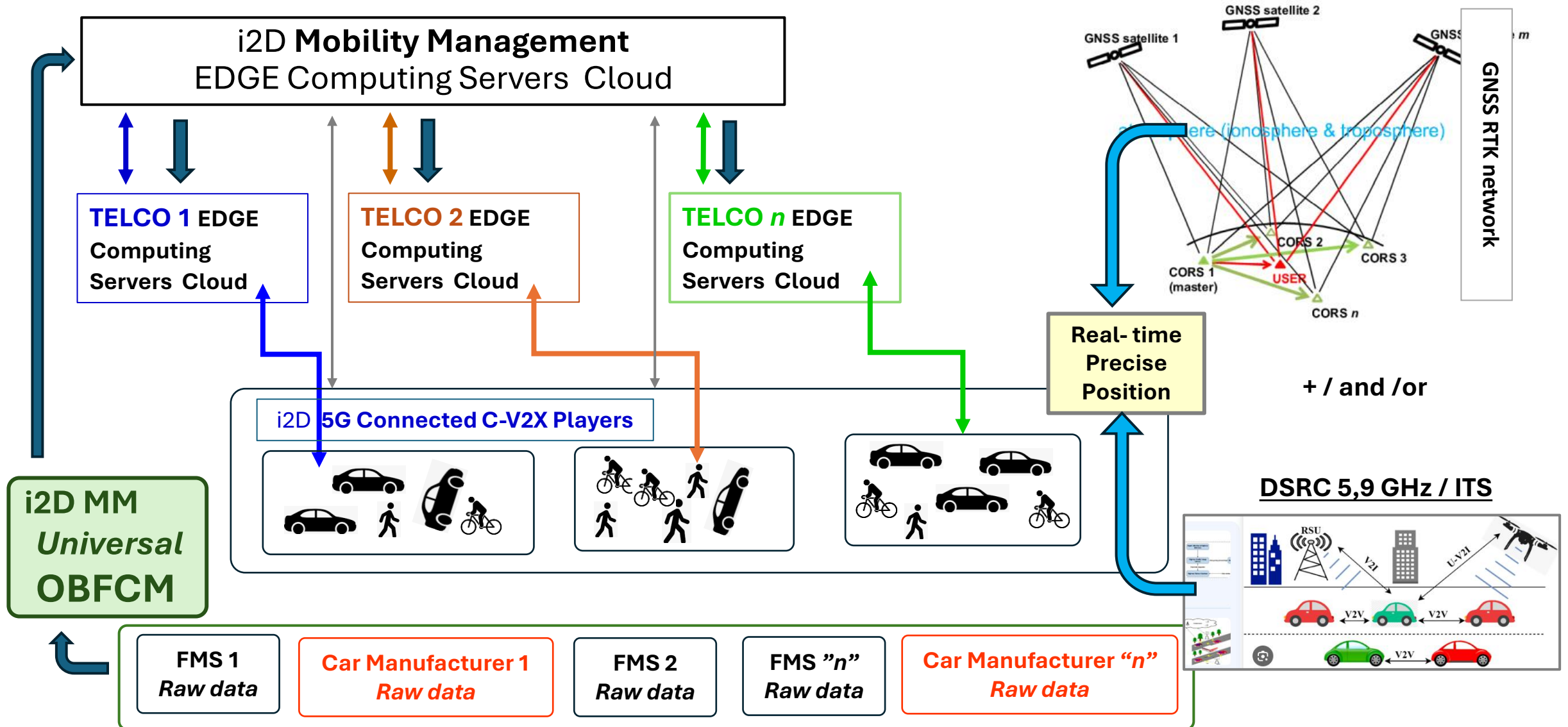
External Costs of Road Transport by

15% in Environmental
35% in Accidents
10% in Congestion

IMPACTS

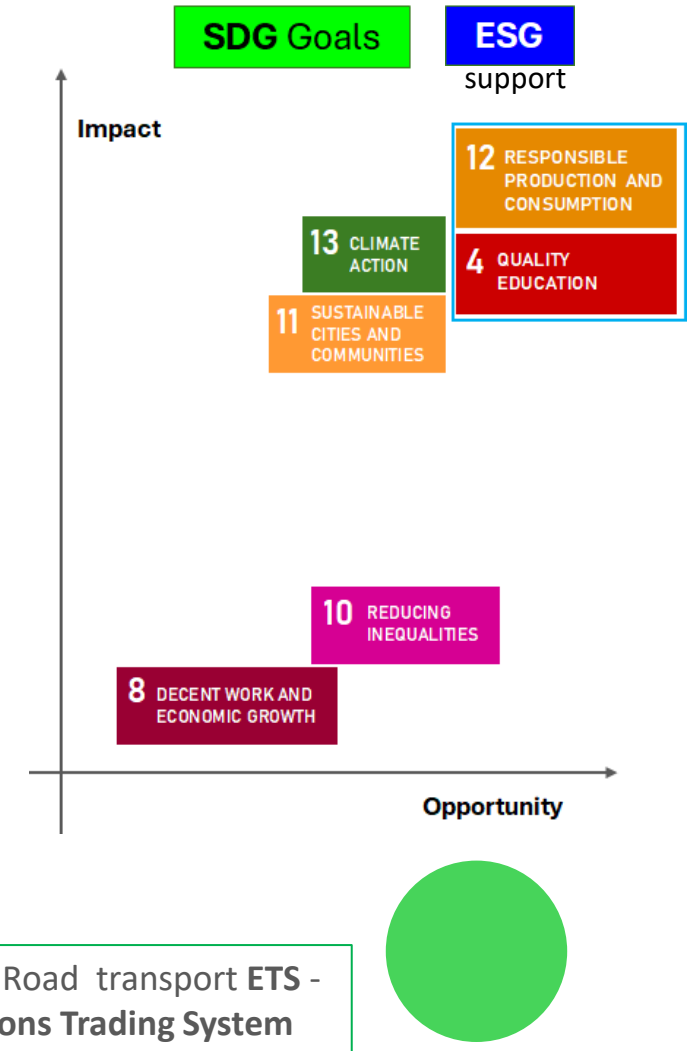
i2D Mobility Management

i2D Brokerage *Rich* & Road Safety C-V2X Platform + DSRC 5,9 GHz



Business & Social goals

Cars, Vans and People Management	Individual vehicles Passenger light vehicles Fleets Commercial light vehicles Fleets	People
Insurance Telematics	UBI – Usage Based Insurance CLAIMs efficiency RISK area improvement	
Cloud Data Analytics	Real-world consumption of fuel, energy and emissions production of Road Transport sector; Real-world mileage / vehicle	
Bike-UVolution	Supporting public & private incentives for each km (€ 0,30) driven by individual car in urban commuting <u>substituted</u> by any sustainable transport	
Global Mobility Data and Management of connected People and Vehicles	People and Vehicle own connectivity Rich Mobility characterization (OBFCM, Driving and Mobility Scoring, insurance data...) Road Safety accident's warning Vodafone partnership Data Analytics	



PARTNERS

Confirmed	Pending from national fund	Waiting Looking for
UVolution Green (PT) Vodafone Portugal (PT) IDMEC Lisboa (PT) Cascais Próxima (PT) SPI - Soc. Port. Inovação (PT) Seacon (HUN)	EMS (UK) Brunel University (UK)	Vodafone UK BEIA (ROU) DFKI (DEU) ...?

PROJECT DEADLINE

18 months

Miguel Aires

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SUBCONTRACTED

- Robust Buton (PT)
- ISQ – Instituto Soldadura e Qualidade (PT)

SUPPORTING LETTERS

- TML (PT)
- IMT (PT)
- ANSR (PT)
- ?? (HUN)
-



European
Union



THANK YOU

LEADING THE WAY IN SUSTAINABLE ROAD TRANSPORT - URBAN MOBILITY

ENVIRONMENT

CONGESTION

ACCIDENTS

SDG

12 RESPONSIBLE
PRODUCTION AND
CONSUMPTION

4 QUALITY
EDUCATION

11 SUSTAINABLE
CITIES AND
COMMUNITIES

13 CLIMATE
ACTION

10 REDUCTION OF
INEQUALITIES

8 DECENT WORK AND
ECONOMIC GROWTH