Ai-aided deCision tool for seamless mUltiModal nEtwork and traffic managemeNt
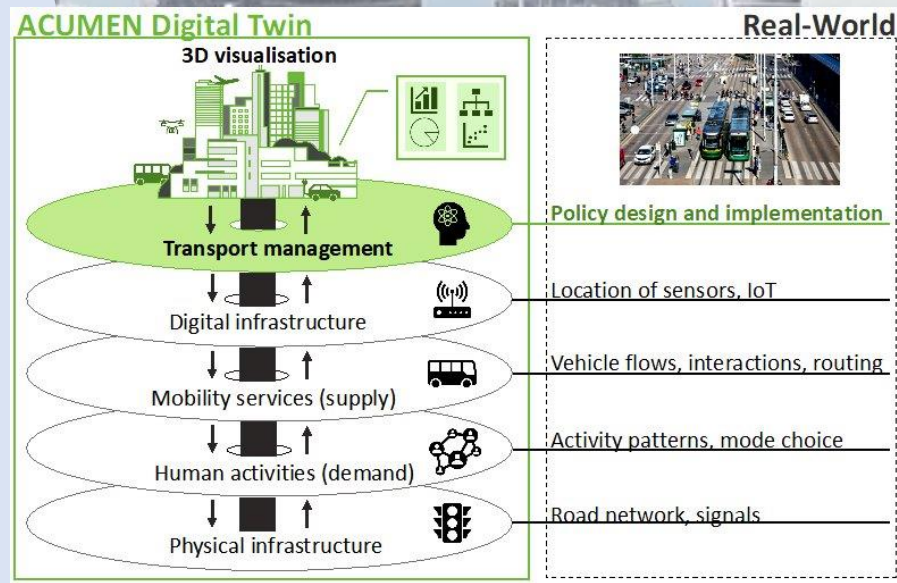
Acumen

Duration
36 months

Budget
€ 5 181 248,75

Consortium
17 partners

9 countries

4 pilot cities

ACUMEN proposes a generic, privacy-preserving, data-driven, modular digital paradigm for advanced network management leading to
- more efficient and reliable door-to-door journeys for people and goods
- increased safety and resilience at the network level
- playing a critical contribution to the Green Deal transport goals achievement

Project Vision

ACUMEN Digital Twin — **Real-World**

3D visualisation

Policy design and implementation
Transport management

Location of sensors, IoT
Digital infrastructure

Vehicle flows, interactions, routing
Mobility services (supply)

Activity patterns, mode choice
Human activities (demand)

Road network, signals
Physical infrastructure

Pilot 1: Athens
Design, implement, and test an innovative holistic mobility platform for decision-making.

Pilot 2: Helsinki
Affect Route and mode choice behavior to achieve KPIs on sustainability and citizens' well-being.

Pilot 3: Amsterdam
Demonstrate joint multimodal management for devising resilient response to major infrastructure disruptions.

Pilot 4: Luxembourg
Demonstrate the use of AVs to provide seamless and integrated on-demand mobility

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