KRANJ'S COMMITMENT: CLIMATE NEUTRAL AND SMART CITY

JUST TRANSITION

AIR QUALITY

IMPROVING HEALTH AND WELL-BEING

CREATING JOBS

SUSTAINABLE MOBILITY

LESS NOISE

1

Challenge 1: **Climate-neutral and smart** city by 2030.

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2

Challenge 2: Ensure that the city acts as **pilot and innovation hub** for all cities in Europe to achieve climate neutrality by 2050.
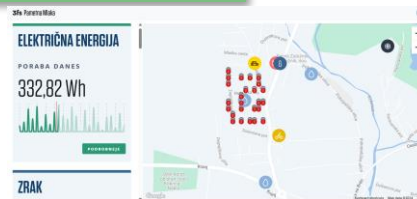
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Smart Kranj smart city platform

(2 times highest national award for leadership in digitalization)

Smart Mlaka digital twin and operations optimization

(One of identified Smart City best practices by EC in 2022)

Kranj Open Data

Traffic and environment monitoring apps

Award-winning city platform, digital twin and city card, but applications and data largely disjoint and siloed!

European data space for smart communities

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Pametna Mlaka ('Smart Swamp') emerging data space:

- disseminated by the Mayor Matjaž Rakovec at the Mayors' Forum in Switzerland in 2021,
- Identified by the European Commission as one of the 4 selected best practices in the field of smart cities (2022).

Goal: Build Pametna Mlaka into a full data space

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European Commission

JRC TECHNICAL REPORT

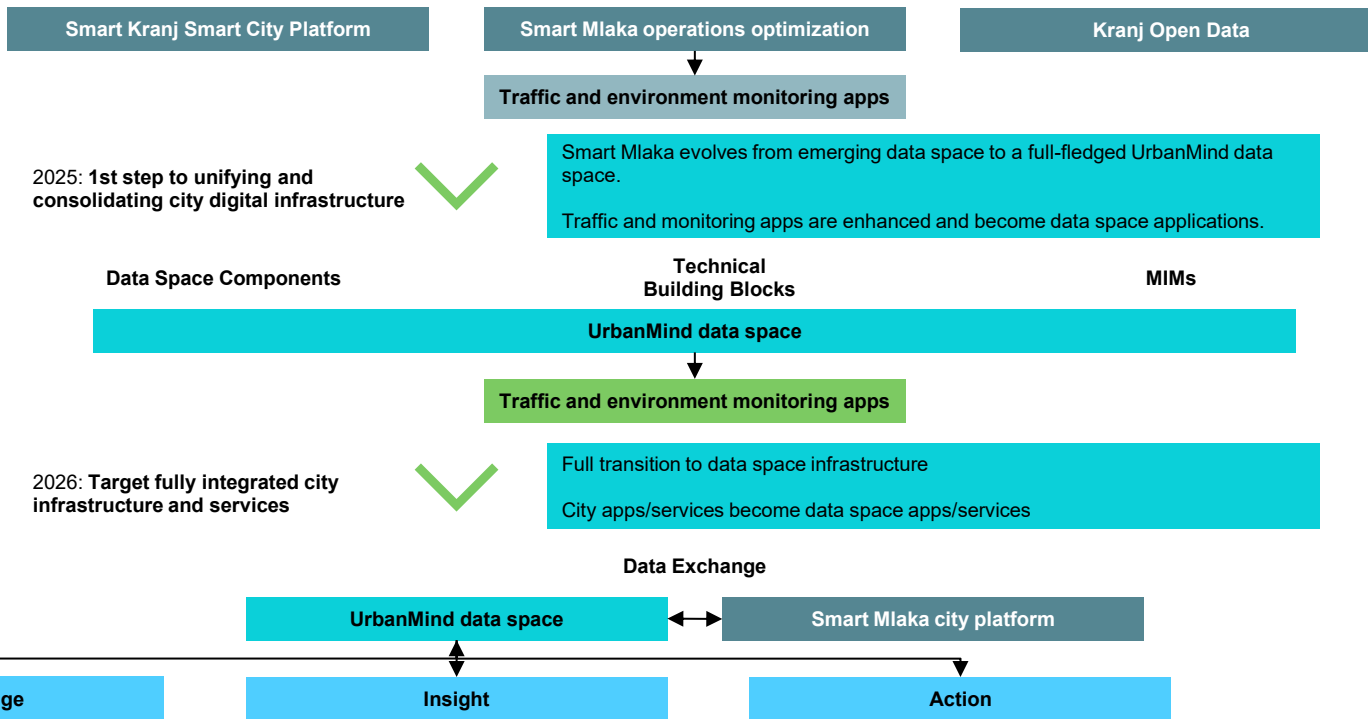Benchmarking the role of the Public Sector and Location Intelligence in Smart Spaces

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KRANJ IN 2025: CONSOLIDATED SMART CITY INFRASTRUCTURE

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Smart Kranj Smart City Platform	Smart Mlaka operations optimization	Kranj Open Data

Traffic and environment monitoring apps

2025: **1st step to unifying and consolidating city digital infrastructure**

Smart Mlaka evolves from emerging data space to a full-fledged UrbanMind data space.

Traffic and monitoring apps are enhanced and become data space applications.

Related domains:

- Predictive traffic management / sustainable mobility planning

- Data-services related to weather, climate and extreme weather events

Data Space Components   **Technical Building Blocks**   **MIMs**

UrbanMind data space

Traffic and environment monitoring apps

2026: **Target fully integrated city infrastructure and services**

Full transition to data space infrastructure

City apps/services become data space apps/services

Data Exchange

UrbanMind data space	Smart Mlaka city platform

Data Exchange	Insight	Action

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Challenges	UrbanMind data space design + data space apps
Challenge 1: **Climate-neutral and smart** city by 2030.	**Expected outcomes:** - Improve service efficiency for 57,000+ residents - Reduce traffic congestion by 21% - Reduce data fragmentation and support 10 interoperable services The initiative ensures inclusive access to mobility, public services and digital participation (**co-creation** with 1,200 residents).
Challenge 2: Ensure that the city acts as **a pilot and innovation hub** for all cities in Europe to achieve climate neutrality by 2050.	**Expected outcomes:** - UrbanMind will **is replicated in Pula**, creating a replicable process for data space implementation in cities - UrbanMind can naturally be **federated with other data spaces** such as sustainability, transport or public procurement data spaces - **Simplified development of applications** will likely lead to co-development and partnerships with industry

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Thank you!