



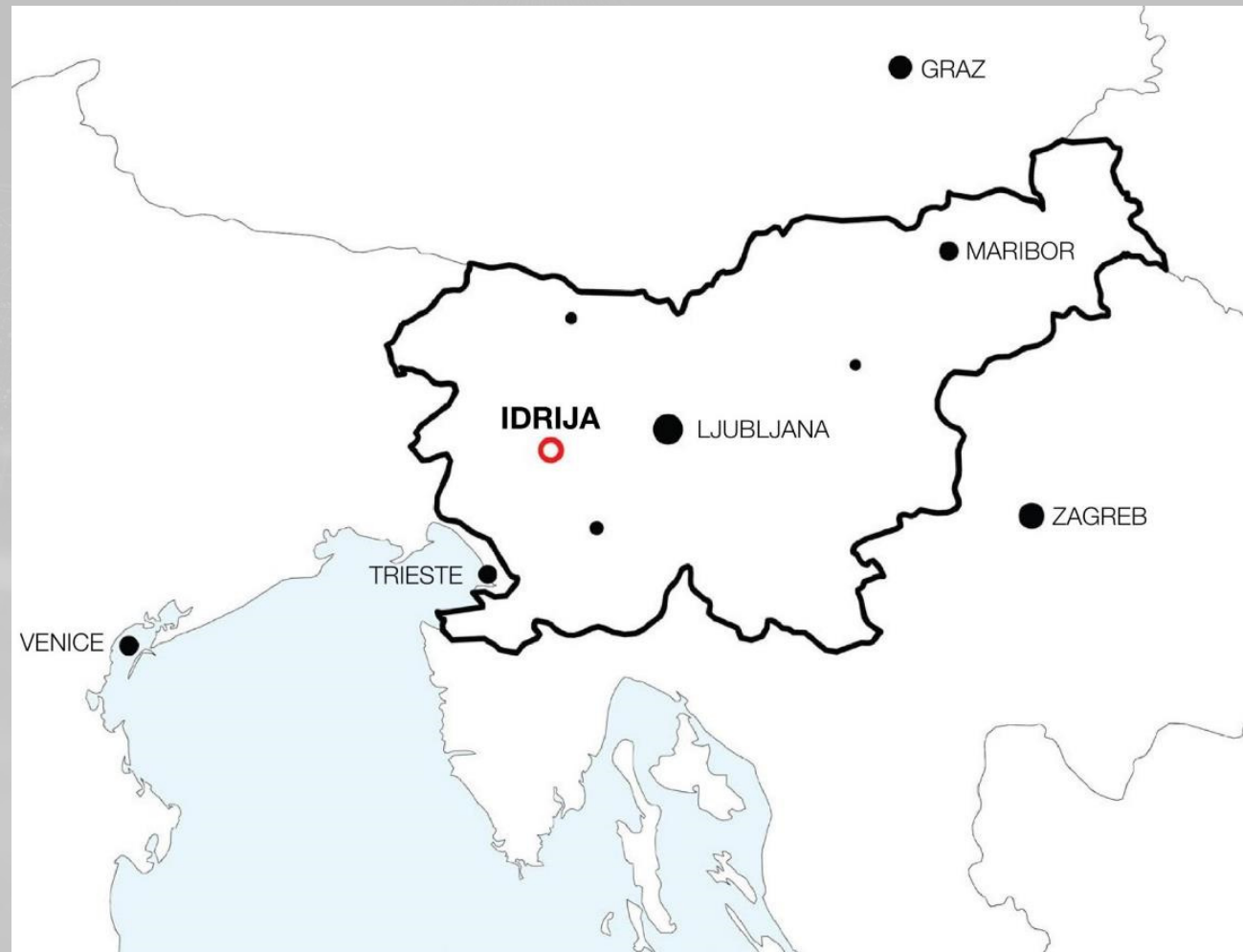
1st Southeast Europe Smart Society Conference

Ljubljana
20th December 2019

Idrija, Slovenia

- 1 hour from Ljubljana,
- 2 1/2 hours from Venice
- 6000 inhabitants in the city
- 12000 in Municipality

Sometimes less is more!

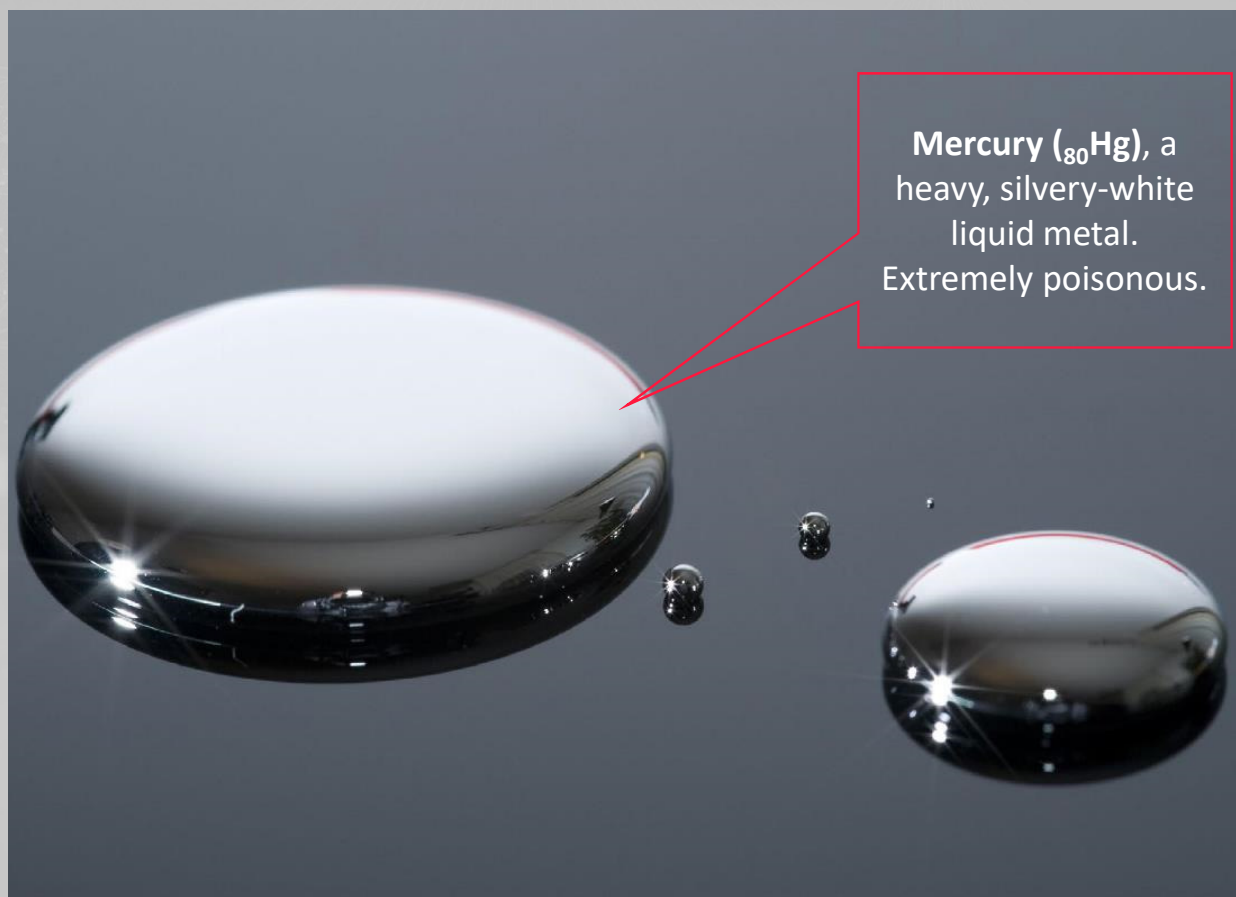


Idrija, mining town

- 500 years old mining history
- Production of Mercury [Hg]
- Idrija was one of the biggest Hg mine in Europe

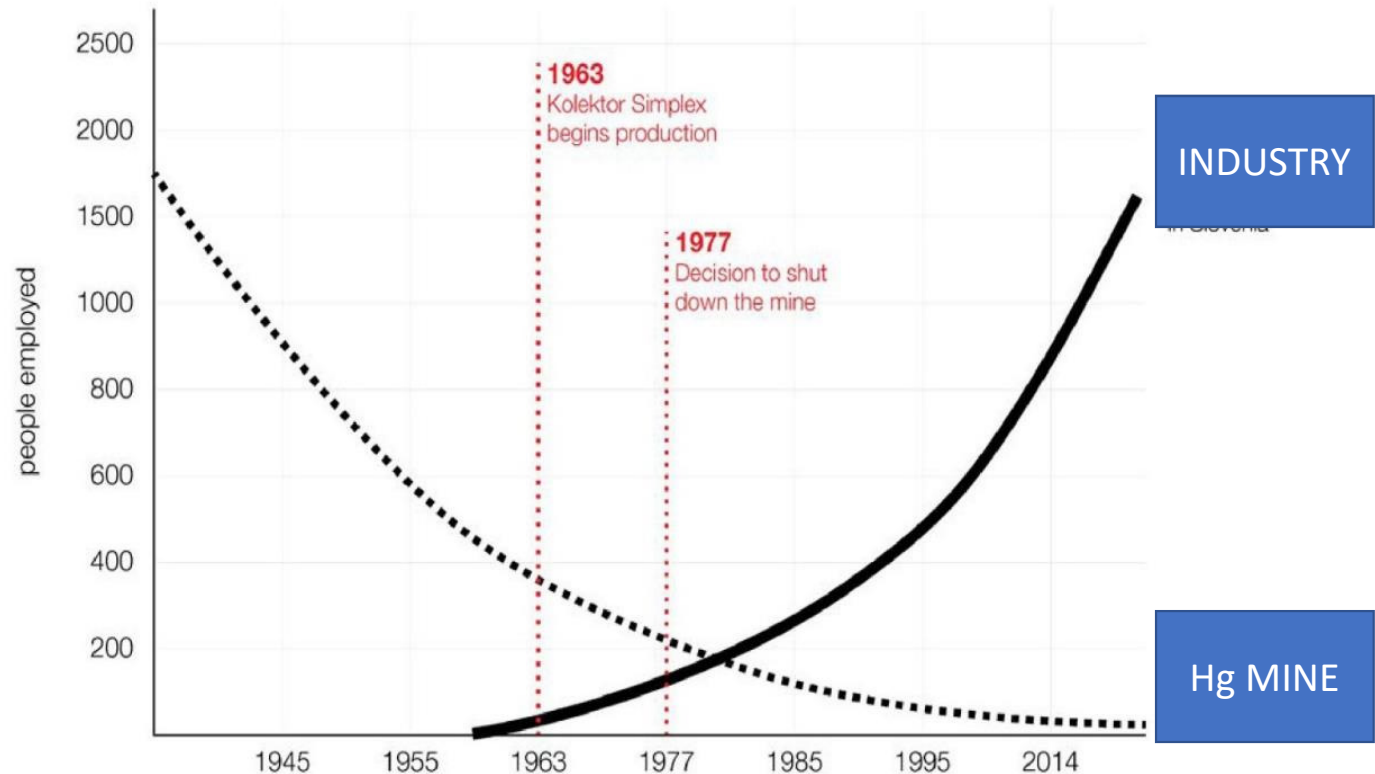
BUT....

- Mercury is poisonous
- Scientists found supplements for Mercury use in industry
- Health awareness and new innovations caused Mercury demand- and production decreasing



Smooth transition from mining to industry

- Hundreds of workers found jobs in rapid increasing industry branch
- They were highly skilled, resourceful and educated – a treasure for boosting the factory's development
- For decades City lived in atmosphere of progress and development
- With much appreciated help and cooperation from industry, city management continuing to push their efforts toward progress, heritage preservation and saving the environment - for the benefit of their citizens

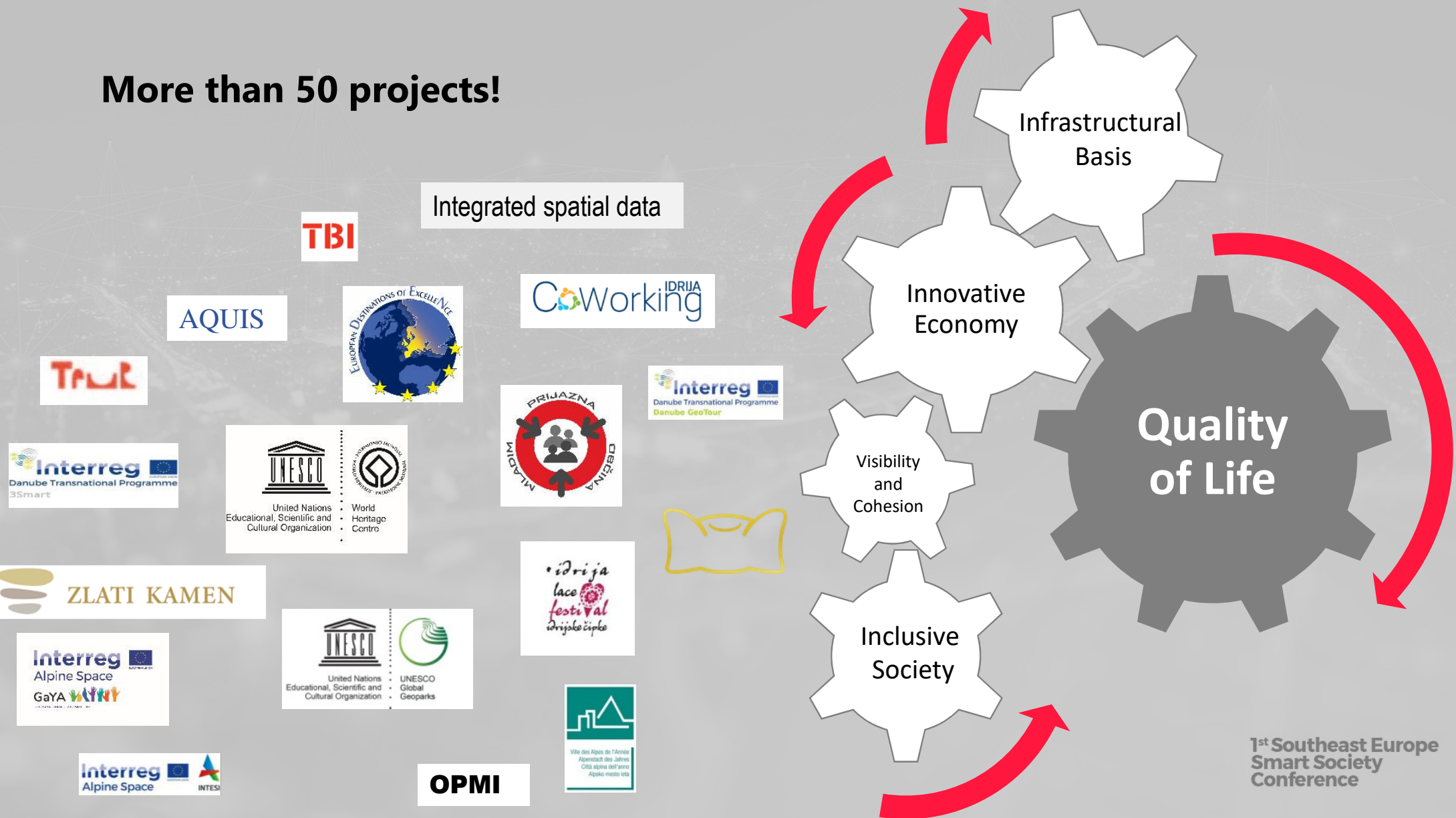


Municipality of Idrija

Adopted strategies

- Innovative Strategy of Sustainable Development,
- Youth Strategy,
- Sustainable Urban Mobility Plan
- **Smart City Strategy.**

More than 50 projects!



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Ongoing projects in the field of energy management

3Smart



- Primary School and Sports Centre
- Complete Building Energy management
- Modular structure
- Individually every room
- Energy Production units (PV 30kW, CHP 50kW/95 kW)
- Weather forecasting and scheduling
- Demand – response capabilities

Ongoing projects in the field of energy management NEDO

- Japan – Slovenian project
- Aerial Energy Management System
- Islanding operation
- 1,3 MWh battery storage system
- BEMS in 16 public buildings
- HEMS in 30 private households



Municipality of Idrija

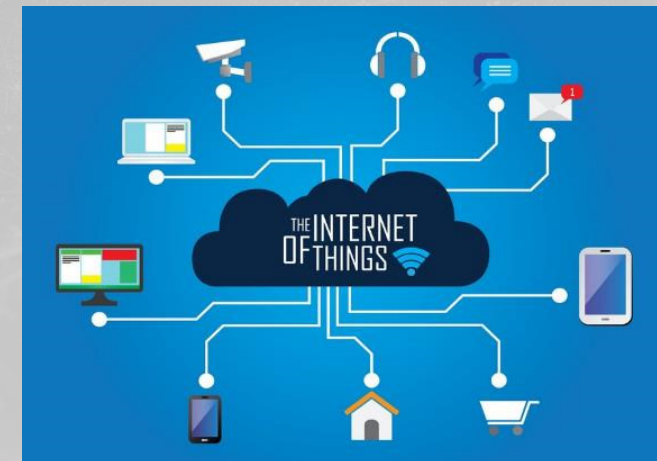
Short term priorities



Control access within
geopark Zgornja Idrija



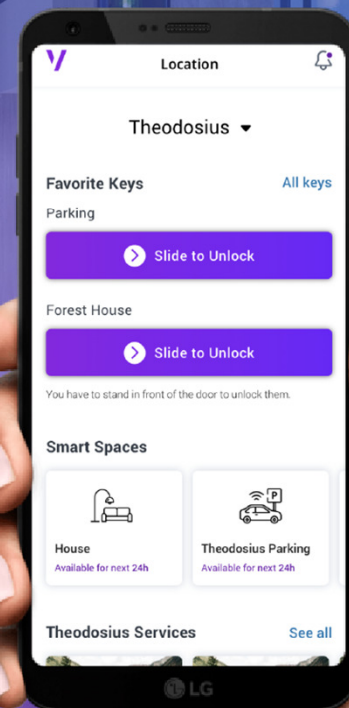
Increasing Energy efficiency
and lowering CO2 footprint



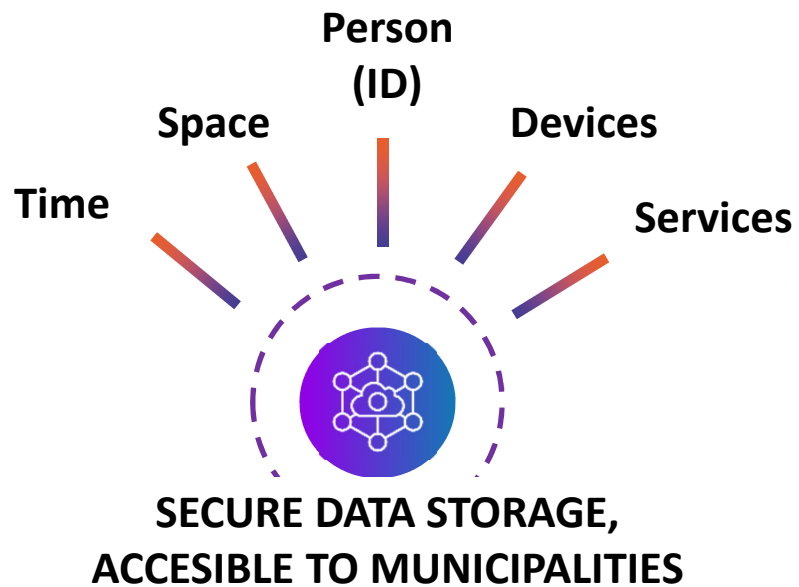
Enabling platform for safe
collection and use IoT data

VIVIOT

AI empowered smart space automation
and digital access for
managing your facilities professionally.



VIVIOT platform



FOOTPRINTS

for preference based smart
space automation and access
management



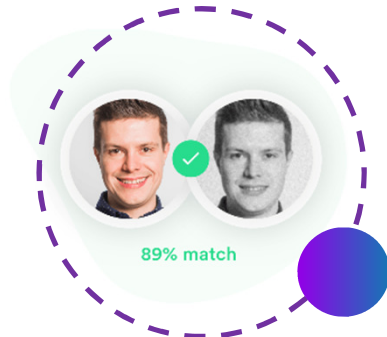
REAL TIME TRIGGERS

for services and energy
optimization

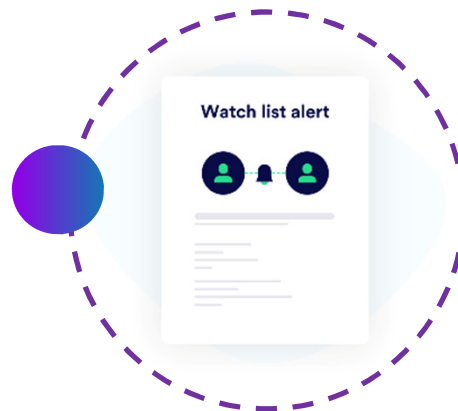


Our solutions

DIGITAL ACCESS (time & space)

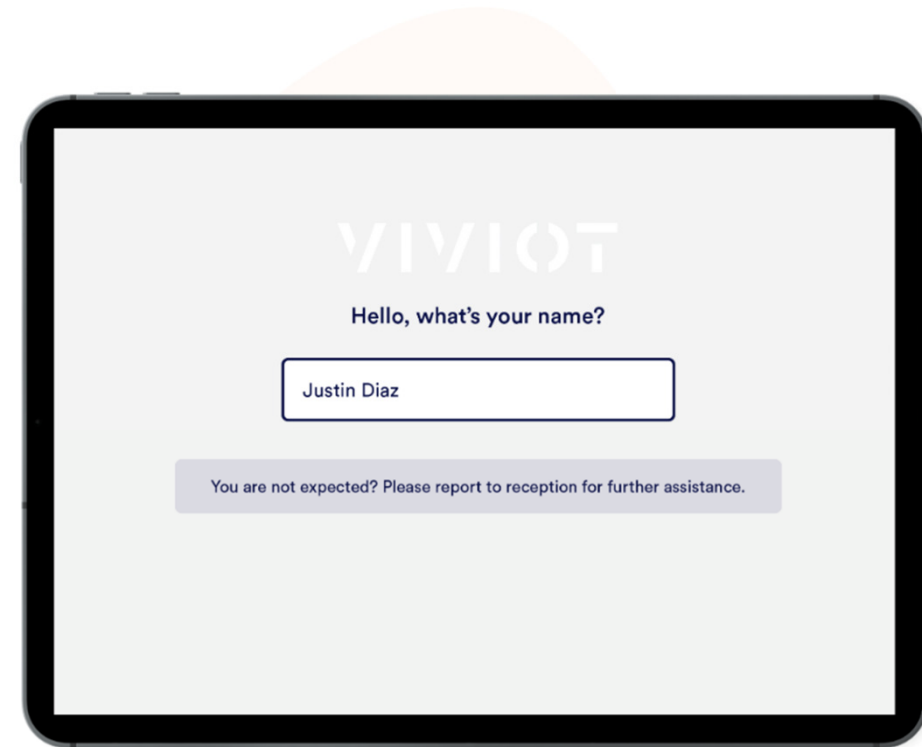


IDENTIFICATION Know exactly who you're inviting to your office



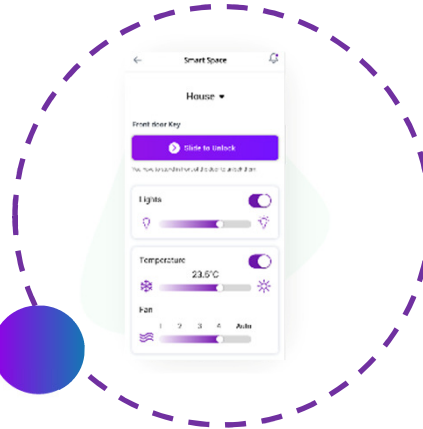
REAL TIME NOTIFICATIONS

Detect, decide and act on unusual events or potential hazards. Record entries and more,...



Our solutions

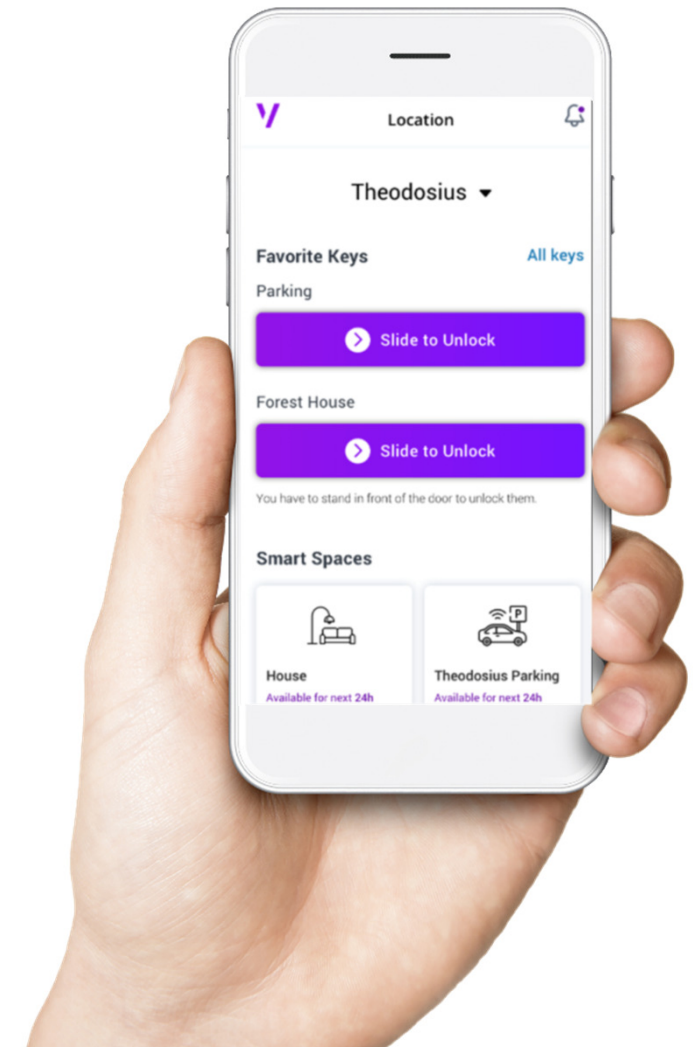
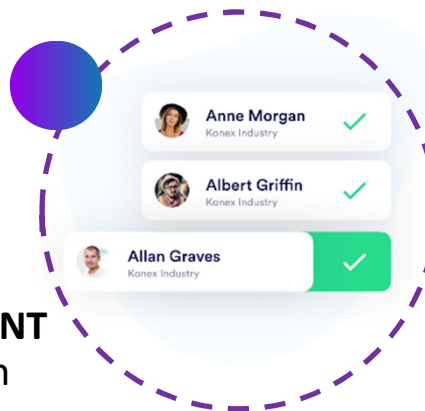
COMFORT & PREFERENCES
Control IoT



SERVICES & EXPERIENCE
Explore near by services (Idrija's restaurants, take a taxi,...)



ENERGY EFFICIENCY & WORKFLOW MANAGEMENT
AI Based Energy optimisation (COS)



OUR USIBILITY



GLAMPING, AIRBnB
& HOTELS



APARTMENT
BUILDINGS



ELDERLY CARE



SECURITY
ON-DEMAND



MUNICIPALITIES

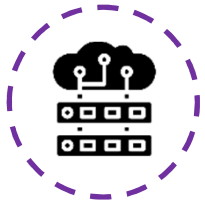
Inline with EU initiatives and Municipalities priorities



Control access within natural parks and parking control systems



Increasing Energy efficiency and lowering CO2 footprint



Enabling platform for safe collection and use IoT data



**TRANSFORM YOUR
MUNICIPALITY TODAY WITH
VIVIOT**



Our plans connected to OASC – Enabling
an Open City Market



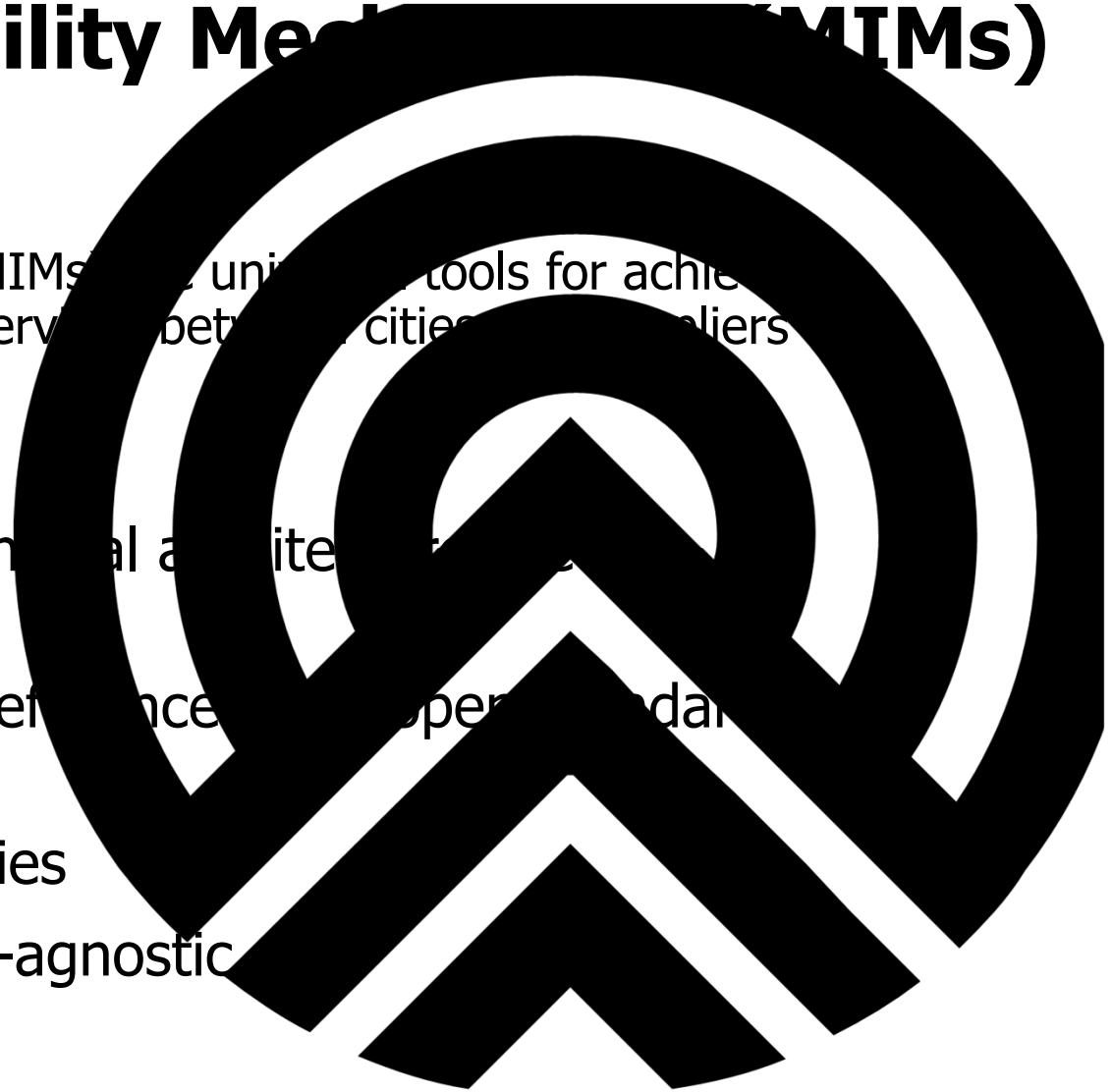
» Minimal Interoperability Mechanisms (MIMs)

Adopted by 150 cities

Minimal Interoperability Mechanisms (MIMs) are unified tools for achieving interoperability of data, systems, and services between cities and suppliers around the world.

MIMs are:

- Points of interoperability in technical architecture (e.g., platform)
- Inclusive list of baselines and reference interoperable standards and APIs)
- Based on consensus among cities
- Vendor-neutral and technology-agnostic



» MIMs

Benefits

Benefits for Cities

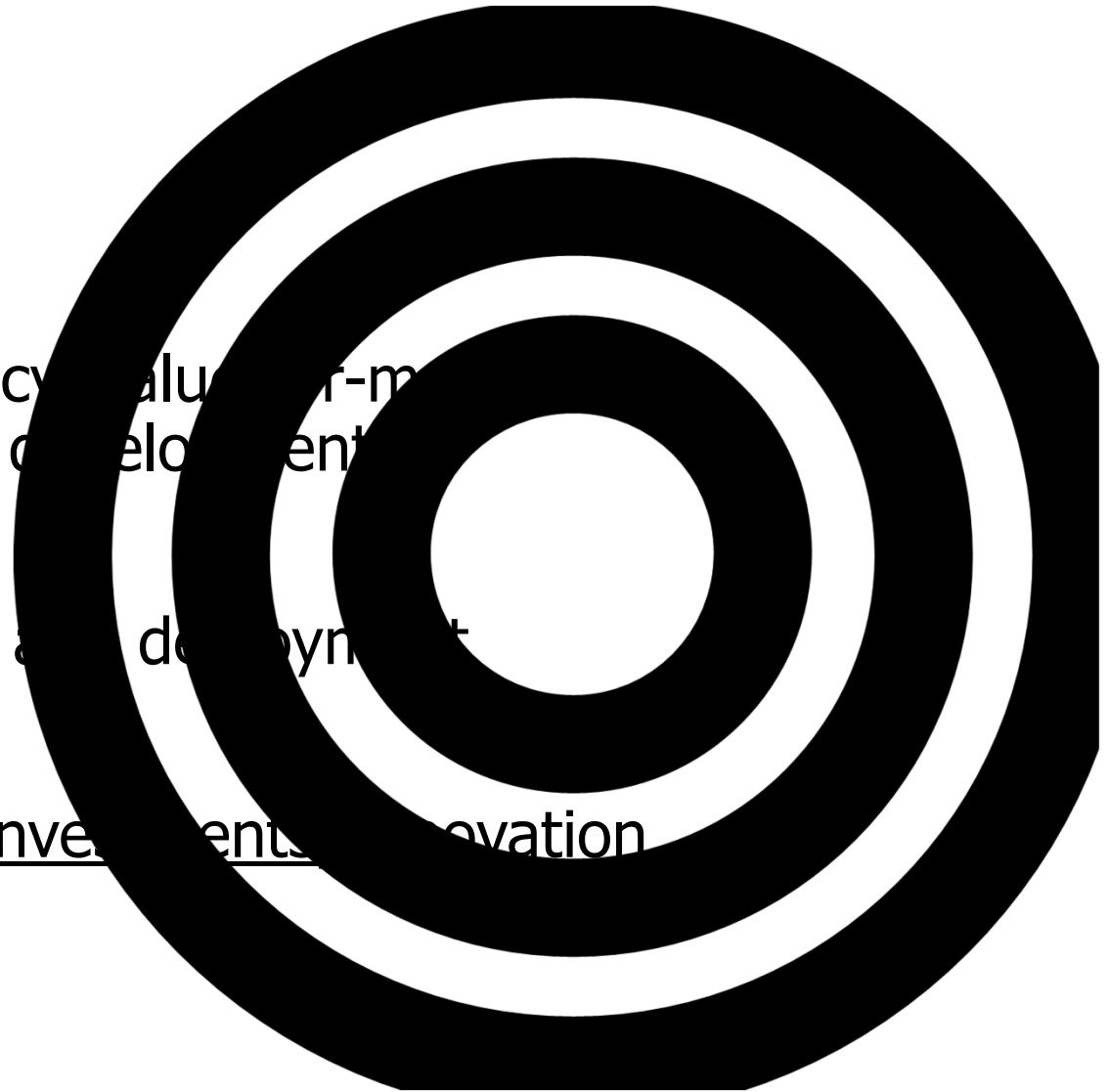
Choice, flexibility, efficiency, value for money, independence, economic development

Benefit for Businesses

Scale, agile development and deployment

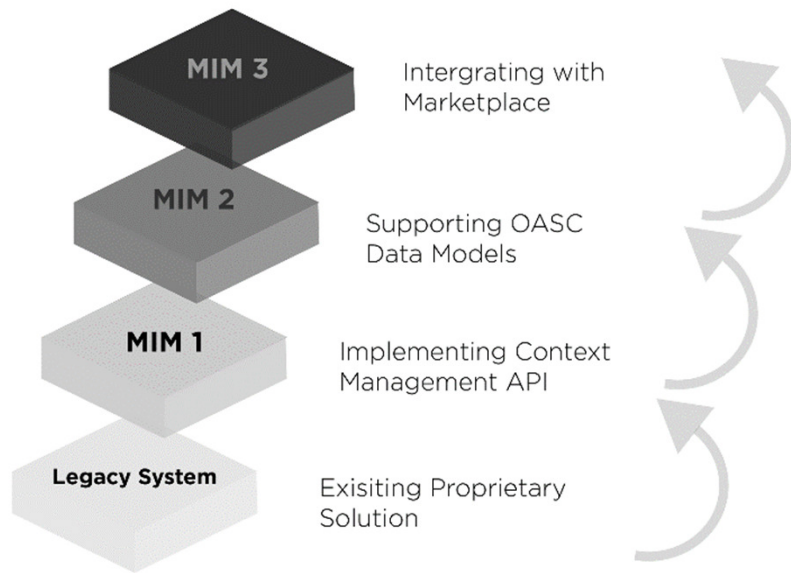
Benefit for all

Reduced risk, increased investments, innovation



» MIMs

Adopted by 150 cities



SYNCHRONICITY

MIM 4: Contextual Information Management
Implementation:

Scoring (EC)
Djaj
Ob
TB
TB

MIM 2: Supporting Data Models

MIM 3: Existing Proprietary Solutions

MIM 4: Personal Data Management (proposed)

MIM 5: Fair AI (proposed)

The background of the slide is a dark, aerial night view of a city, likely Ljubljana, with its lights visible. Overlaid on this is a complex, glowing blue network of lines and dots, resembling a digital or smart city infrastructure map. The lines connect various points across the city, creating a web-like pattern.

Thanks for watching!

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