

Smart Cities in Slovenia

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omni**opti**

Advanced Solutions



Green. Creative. Smart.

S4

3.
**(S)INDUSTRY
4.0**

1.
DIGITAL

2.
CIRCULAR

Smart
Cities &
Communities

Smart
Buildings
& Homes,
incl. Wood

Health -
medicine

Mobility

Materials
as
Products

Factories
of the
Future

Networks
towards
Circular
Economy

Sustainable
Food
production

Sustainable
Tourism

**SUSTAINABLE TECHNOLOGIES &
SERVICES FOR A HEALTHY LIFE**

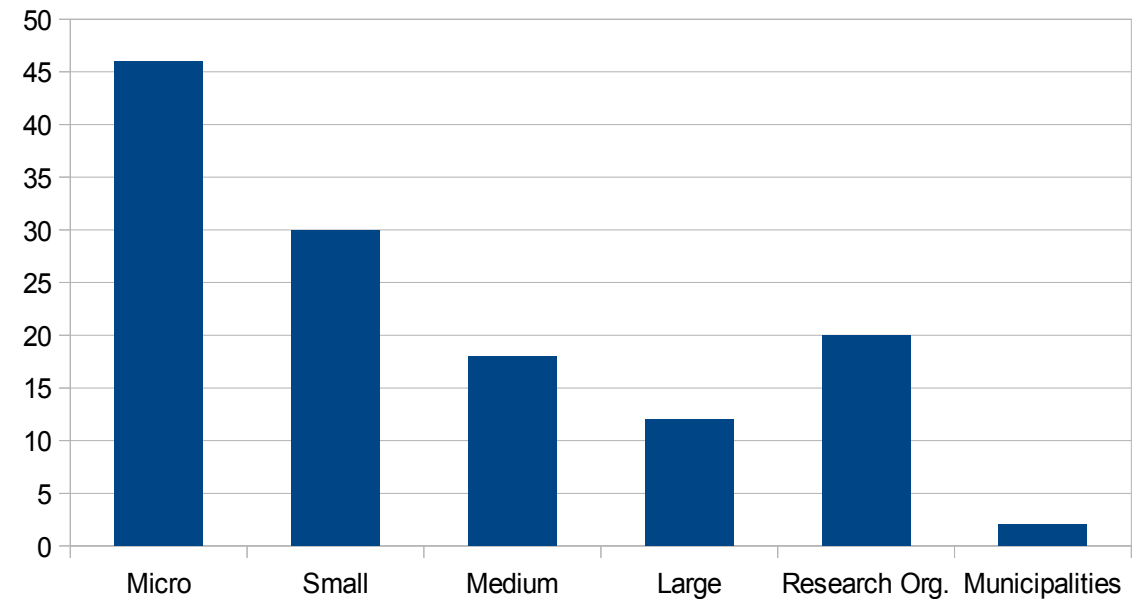


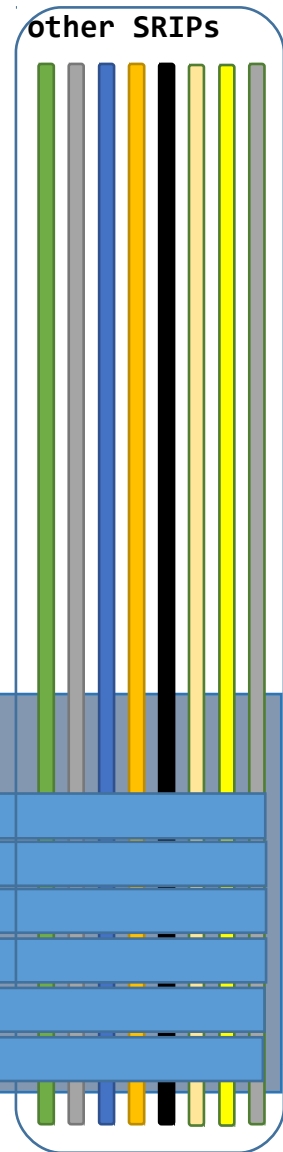
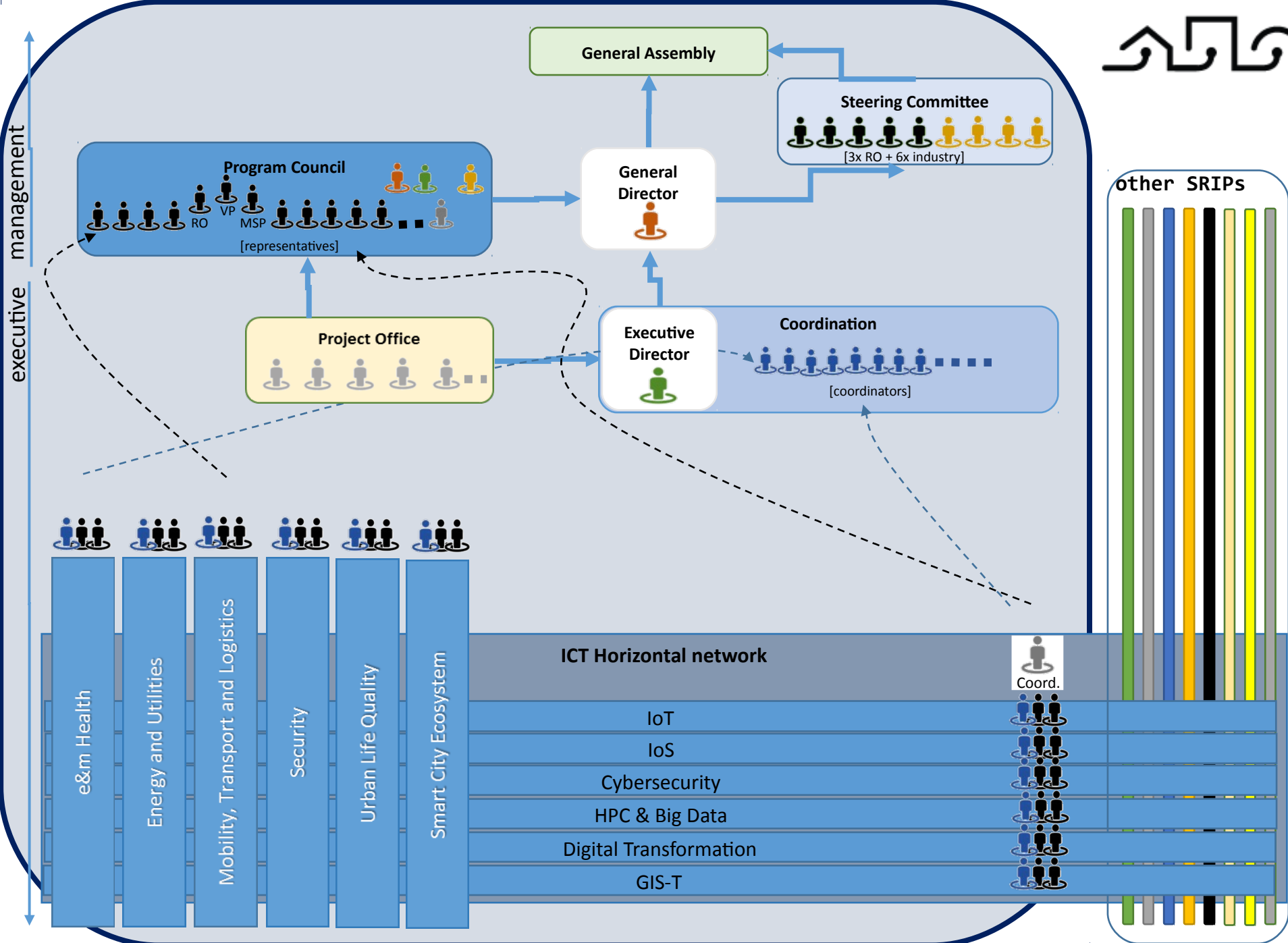
Smart Specialization Strategy

- Strategic Research & Innovation Partnership (SRIP) for Smart Cities & Communities



- Coordinator Jožef Stefan Institute
- 6 months – over 150 members
- Action plan in July





Topics

- emHealth
- Energy and Utilities
- Mobility, Transport & Logistics
- Safety
- Quality of Urban Life
- Smart City Ecosystem

ICT

- IoT
- GIS-T
- HPC & BigData
- IoS
- Cybersecurity
- Digital Transformation

Current Projects- emHealth

- Electronic Health Records – open standard platform (Marand)
- Proton Cancer Treatment - control (Cosylab)



Current Projects – Energy and Utilities

- Smart Grid - NEDO project (ELES)
- Smart Meters – high penetration
- Energy Management and Building Renovation – payed from the savings (Petrol)



Current Projects – Mobility, Transport, Logistics

- On-demand transport – dynamic pricing (GoOpti)
- (Electric) Car Sharing (AvantCar)
- Bike sharing (BicikeLJ)
- EDISON -Eco Driving Innovative SOlutions and Networking (over 40 partners)



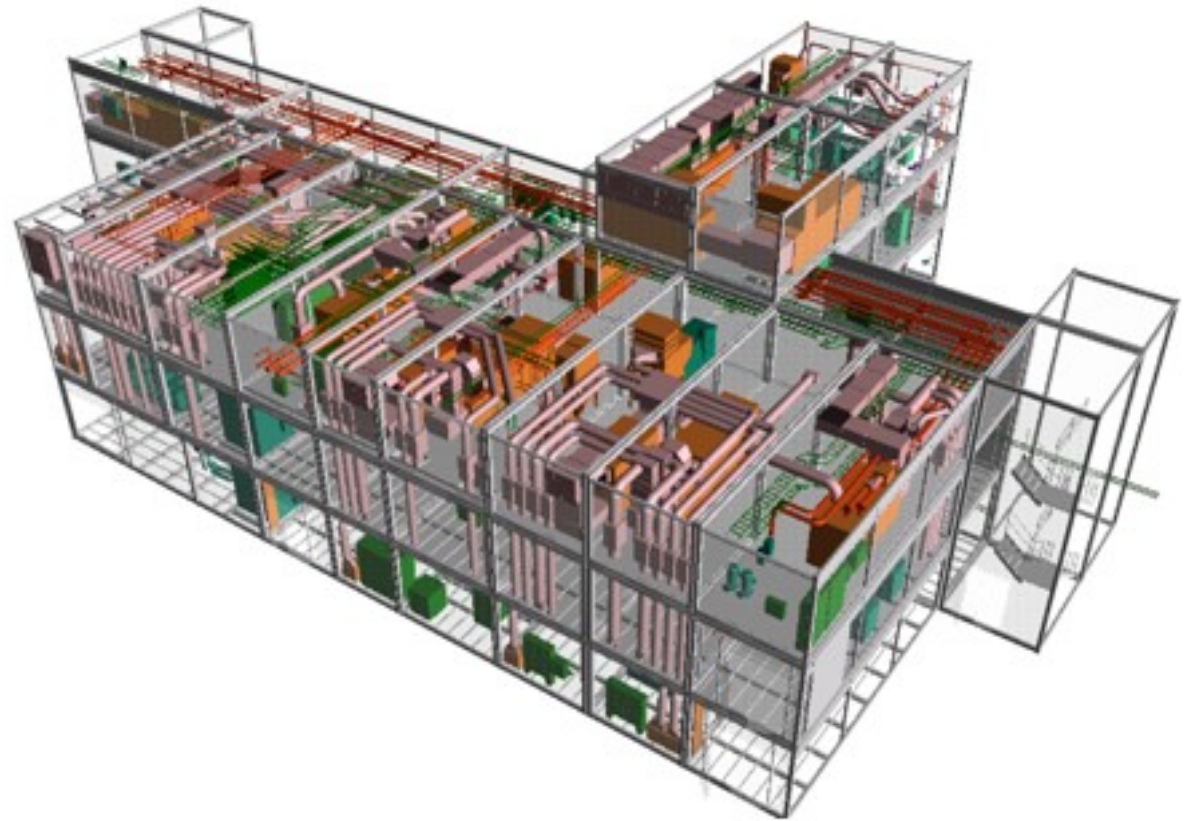
Current Projects – Safety

- Development of next-generation (Emergency) Call Center



Planned Projects – Quality of Urban Living

- Integration of BIM systems
- eGovernance solutions



Planned Projects – Smart City Ecosystem

- Connecting (all) City subsystems within a single platform (breaking silos, Open Data)
- City apps marketplace

Planned Projects – ICT network

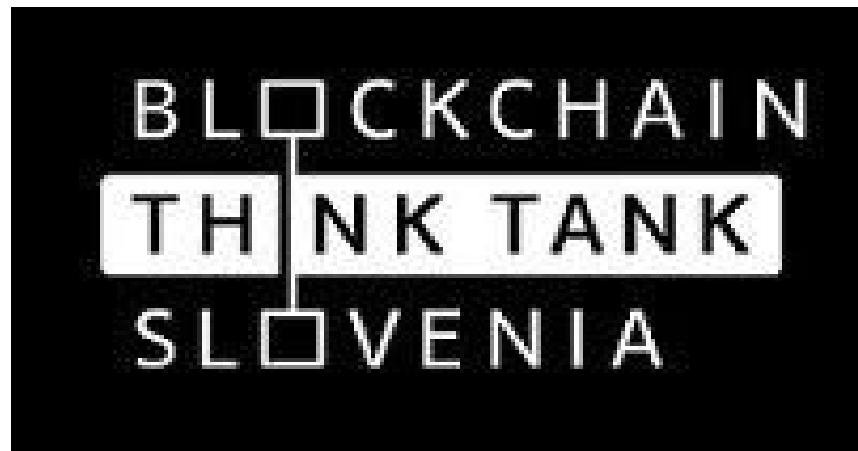
- Holistic ICT platform for smart environments
- Digital Innovation Hub Slovenia
- Cybersecurity

Slovenian Smart Cities

- Ljubljana – Mobility
- Maribor – Circular Economy
- Kranj – Governance / Communication
- Idrija – Energy
- Koper – Town Center Management

Action Plan- Focus

- Smart Towns (capital Ljubljana – 350.000 inhabitants)
- ICT (Artificial Intelligence, Blockchain, etc.)



Best Practices

BTC

- 5G testing frequencies
- Living lab
- AV living lab
- Eligma (AI + cryptocurrency)
- NEDO

OmniOpti projects



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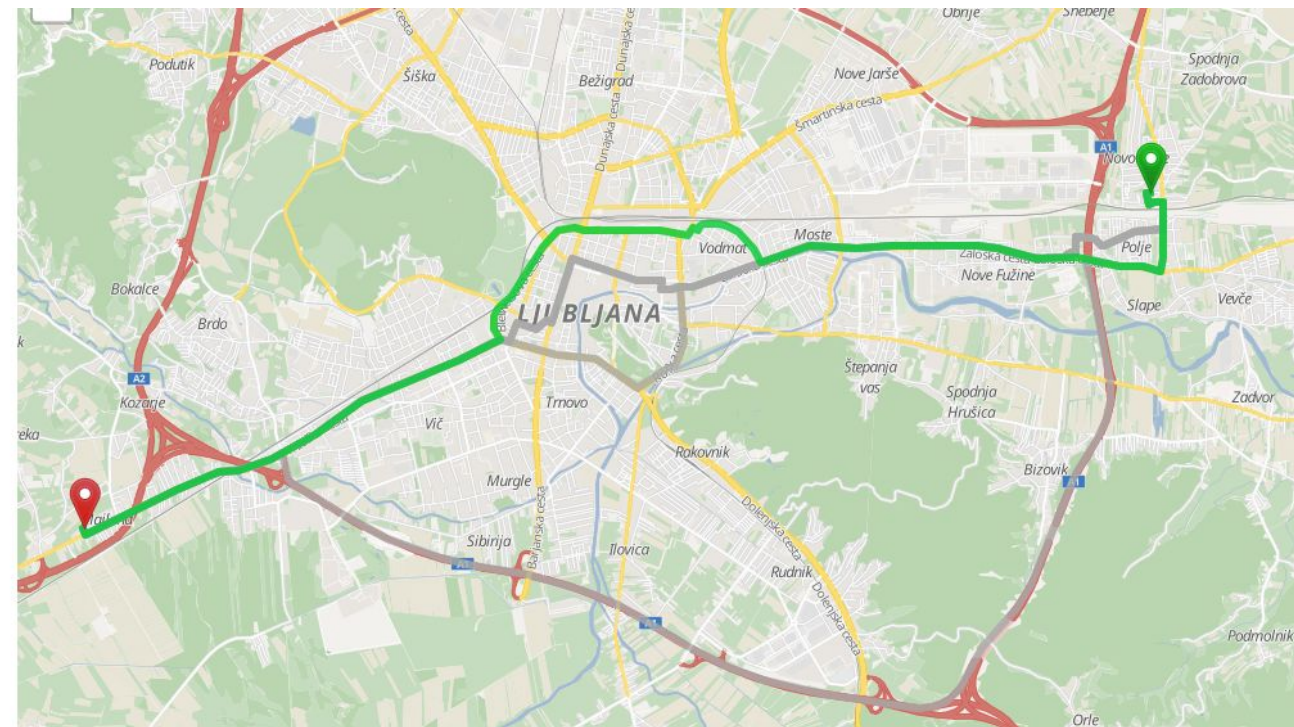
- BRIQ (<https://briqapp.com/>) for electricity providers
- Next-Generation Traffic Management Center (Multi-objective optimization)

46.061082, 14.581947
46.029985, 14.439468
gpx Search

1 2 3 4 5

13.8km will take 16min km/mi

Continue onto Novo Polje, cesta II	33m	0min
Turn left onto Novo Polje, cesta II	125m	0min
Turn left onto Novo Polje, cesta I	158m	0min
Turn right onto Zadobrovska cesta	712m	1min
Turn right onto Zaloška cesta	671m	1min
Continue onto Zaloška cesta	3.53km	4min



Thank you!
Questions?

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