

5G Varnost

5G Enabled Public Safety Services and Applications – the Project 5G Safety

Ana Robnik, 5G Safety Workshop
Bled, 14.12.2018

5G Safety Journey - National & EU Support

Safe Society

2013/15

S4 - Slovenian Smart Specialisation Strategy

SRIP PMiS Safety

2016/17

Action plan for Safety domain within Strategic Research and Innovation Partnership "Smart Cities and Communities"

5G PPDR Initiative

2016/2017

5G Action Plan for Europe as a Driving force for 5G PPDR Initiative in Slovenia

5G Safety Project

2017/2018

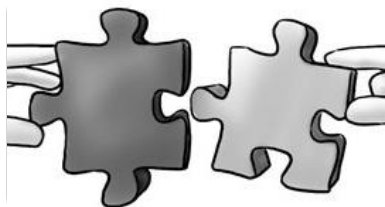
National call RRP2, 5G Safety project selected for funding

EU Projects

- GEN6 (CIP) <http://www.gen6-project.eu> 2012 – 2015
- ARCADIA (FP7) <http://www.arcadia-framework.eu> 2015 – 2018
- Charisma (H2020) <http://www.charisma5g.eu> 2015 – 2017
- iCIRRUS (H2020) <https://www.icirrus-5gnet.eu> 2015 – 2017
- I_HeERO (CEF) <http://iheero.eu> 2015 – 2018
- NEXES (H2020) <http://nexes.eu> 2015 – 2018

5G Safety Project at a Glance

Important project information



Beneficiaries

Project Coordinator:

Iskratek, d.o.o., Kranj (ISK)

Partners:

- (1) OSI d.o.o. (OSI - SME)
- (2) Telekom Slovenije, d.d. (TS)
- (3) Univerza v Ljubljani, Fakulteta za elektrotehniko (ULFE-JRO)



Advisory Board and Supporters

- (1) AKOS
- (2) MJU DID
- (3) URSZR
- (4) Fakulteta za varnostne vede, Univerza v Mariboru
- (5) Gasilska brigada Celje
- (6) EIDES
- (7) SRIP PMiS, IKT HM
- (8) EENA
- (9) PSCE



Finance & Contract

Project Total Costs:

3.024.274 €

Maximum Grant Amount:

Up to 1.943.964 €

Contract No:

C3330-18-952019, Ministry of education, science and sport



Time Frame

Project Start: 1.9.2018

Project End: 31.8.2021

Duration: 3 years

Reporting Periods:

1.9.2018-31.1.2019 and each 6 months after

Strategic objective of the 5G safety project

... is to deliver **research and innovation** towards a **new generation of 5G-ready products and services** tailored to the needs of the **PPDR sector**.

The aim is to investigate and design **new architectures** and key **enabling technologies** to deliver an advanced **telco-grade Dispatcher as a Service (DPaaS)** offered to PPDR professional and a new generation of **user-centred applications** for personal safety of citizens, and to investigate **strategies for implementation of such applications in a virtualised and shared 5G environment** with ensured security, privacy and backward compatibility with current PPDR communication systems.

5G Safety objectives

Create



To deliver architecture designs and key enabling technologies for the next generation of public safety services .

Collaborate



To engage key public safety stakeholders, regulatory and policy making bodies.

Design



To design new 5G PPDR products and services and deliver working prototypes.

Consolidate



To reinforce leadership of the consortium partners in the public safety and 5G domains.

Modality



To design a new and improved user experience and new consumption modalities for citizens and professionals.

Catalize



To catalyse a new market ecosystem for 5GSafety technologies.

Implement



To implement a 4.5/5G PPDR demonstration facility and demonstrate capabilities of the prototypes.

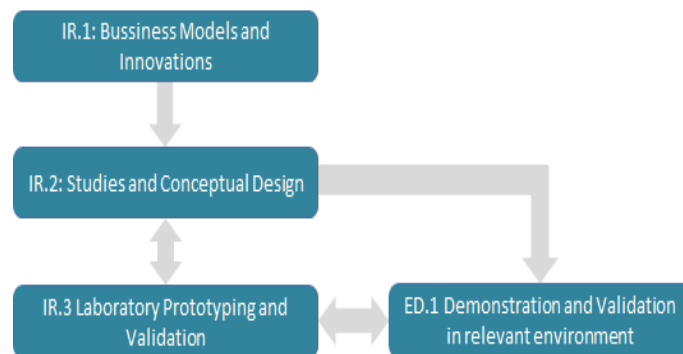
Innovate



To cater for improved innovation and research capacities in 5G and public safety sectors in Slovenia and Europe.

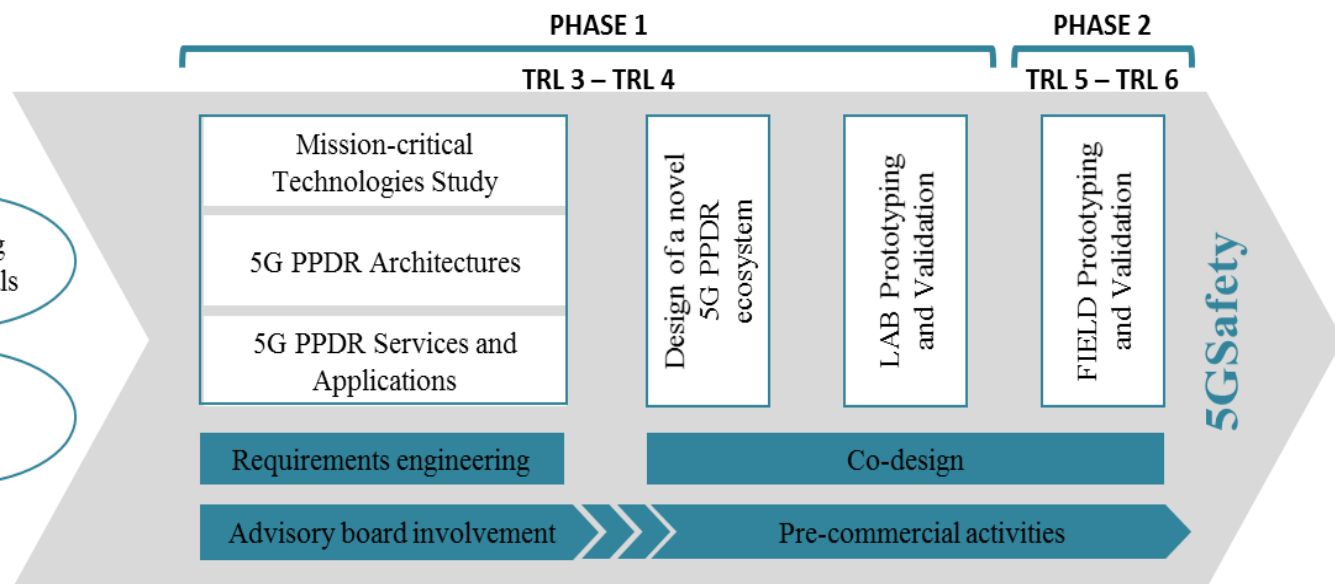
5GSafety approach, Technological Deliveries

PHASE 1 :Industrial research (IR)
PHASE 2: Experimental development (ED)



5G Safety Technological Deliverables

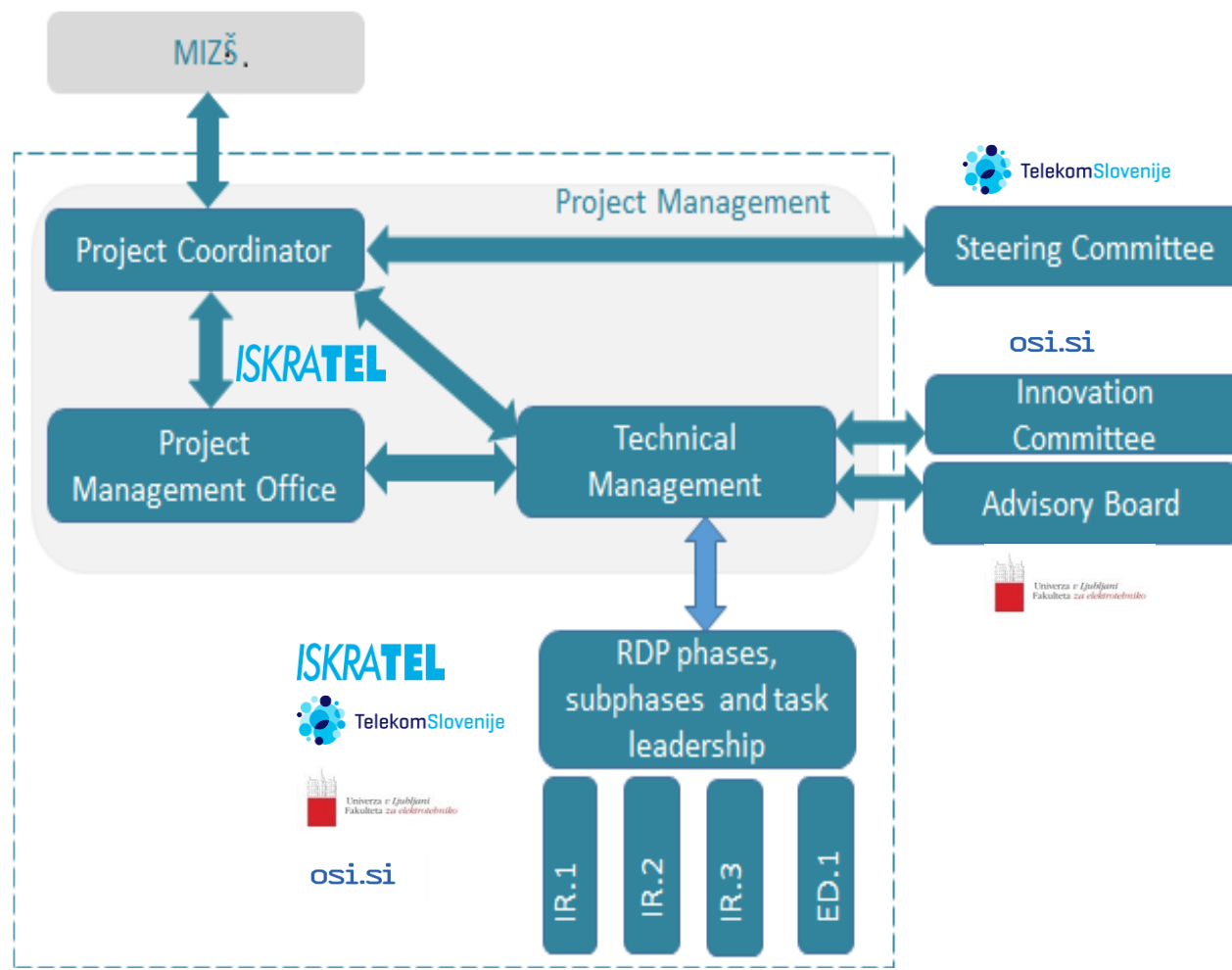
- Dispatcher as a Service
- Mobile Apps for Citizens and PPDR professionals
- Novel interactions modality and User Experience
- Operational Communications for Disaster Scenarios
- E2E Security and Integrity
- 5G PPDR Experimentation Environment



Next Gen
5G PPDR
products
and services

Working hand in hand with users and other stakeholders of our services and applications.

Advisory Board in Project Management



– Day-by-day Management (dashed)

– Decision Bodies

– Steering Committee

– Innovation Committee

– Advisory Board



– Supporters

– Open to public

<https://5gvarnost.iskratel.com/>



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