

230 scientific

pubblications

250

+100

scientific

contributions in conferences and scientific pubblication events organized

WE BELIEVE IN A FUTURE BUILT ON KNOWLEDGE

FBK's mission is excellence of science which extend our innovation capability and involve the community and the economy in the circulation of knowledge and technologies (impact).

+100

PhD

research students centers

+400

researchers



EU projects in 2016

101

innovative startups

INTERNATIONAL IMPACT

FBK works with international big industries as main partner for research & development projects but also as a key player for their innovation focused projects.

We understand better the needs of the market, and companies can introduce innovation faster in their product cycle.



UTURE BUILT ON KNOWLEDGE





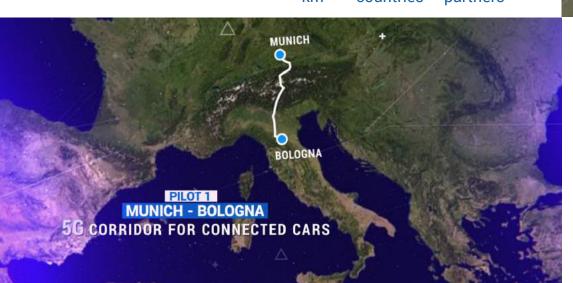
NEXT GENERATION INTERNET free, open and more interoperable Internet FBK is driving the ongoing technological revolution toward a human-centric Next Generation Internet (NGI),

PILOT 1: MUNICH-BOLOGNA 5G CORRIDOR

With a vision for a world of connected cars for enhancing the mobility experience of people, FBK is engaged in an European-wide initiative to demonstrate the seamless

on the **roads of the future**, by leveraging 5G Radio Access, Edge Cloud and Artificial Intelligence technologies.

600 3 15 km countries partners



IoT, IoS and fog computing for citizens and city managers

by demonstrating how innovative solutions like IoT, 5G

and **fog computing** empowered with **Artificial Intelligence** could enable groundbreaking scenarios in vertical sectors like **smart city**, **smart mobility**, **smart industry** and **smart agriculture**.

PILOT 2: CITY SENSING LIVING LAB

With the goal to improve quality of life and offer innovative digital services to citizens, FBK is joining forces with the municipality of Trento to operate a living laboratory where research and experimentation combine Internet of Things,

fog computing and Internet of Services with the needs of the population.

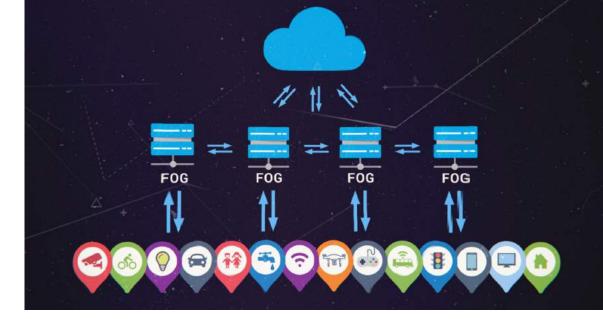
CITY SENSING LIVING LAB

1184 652 164 citizens users buildings



OpenIoT

The OpenIoT Unit's objectives focus on gaining leading knowledge on supporting and rapidly building innovative, standard-based and interoperable IoT-based solutions. Our decentralised technology assets are used to support smart land, industrial IoT and eHealth monitoring applications.



RISING

The Robust and Secure Distributed Computing research unit investigates and implements smart, autonomic and anti-fragile methods and platforms to enhance resiliency, dependability and security of cloud and fog computing infrastructures.

Our motto: Simplify and secure life on the edges.

RESEARCH UNITS

Smart Cities and Communities

We are a **community of researchers**, **engineers** and **citizens** engaged in the design, development and adoption of an ICT platform to improve **sustainability** of the territory, **quality of life** of citizens, and **efficiency** of the public administration. Our focus: **a living lab** to test a full stack of technologies and methodologies to face the **societal challenges** of **Smart Cities**.



WiN

The Wireless and Networked
Systems research unit
focuses on the analysis,
design and development
of software-centric
programmable network
solutions with a strict
emphasis on 5G network
design requirements.
Our main priorities include
software-defined RAN, MEC
and lightweight management
and orchestration.

