

IQRF Alliance Members' implementations examples

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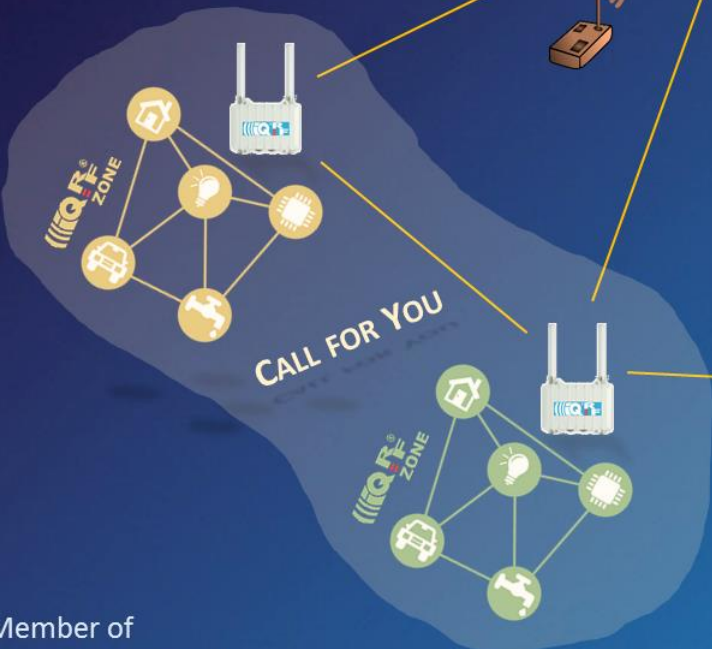


This is how we understand the Smart City

- 1) Information
- 2) Environment
- 3) Waste Management
- 4) Energy Management
- 5) Transport
- 6) ICT Infrastructure

Member of





We are going to make Smart Cities reality
and we have...

- ✓ CUSTOMERS
- ✓ COUNTRYWIDE NETWORK
- ✓ CLOUD PLATFORMS
- ✓ SMART APPLICATIONS

Let's do it
TOGETHER

... however some things are still missing







- INDUSTRIAL GRADE **GATEWAYS**
- **SENSORS** FOR MENTIONED AND OTHER APPLICATIONS
- AND OF COURSE.... **IQRF ZONES**



Member of

Filtrování

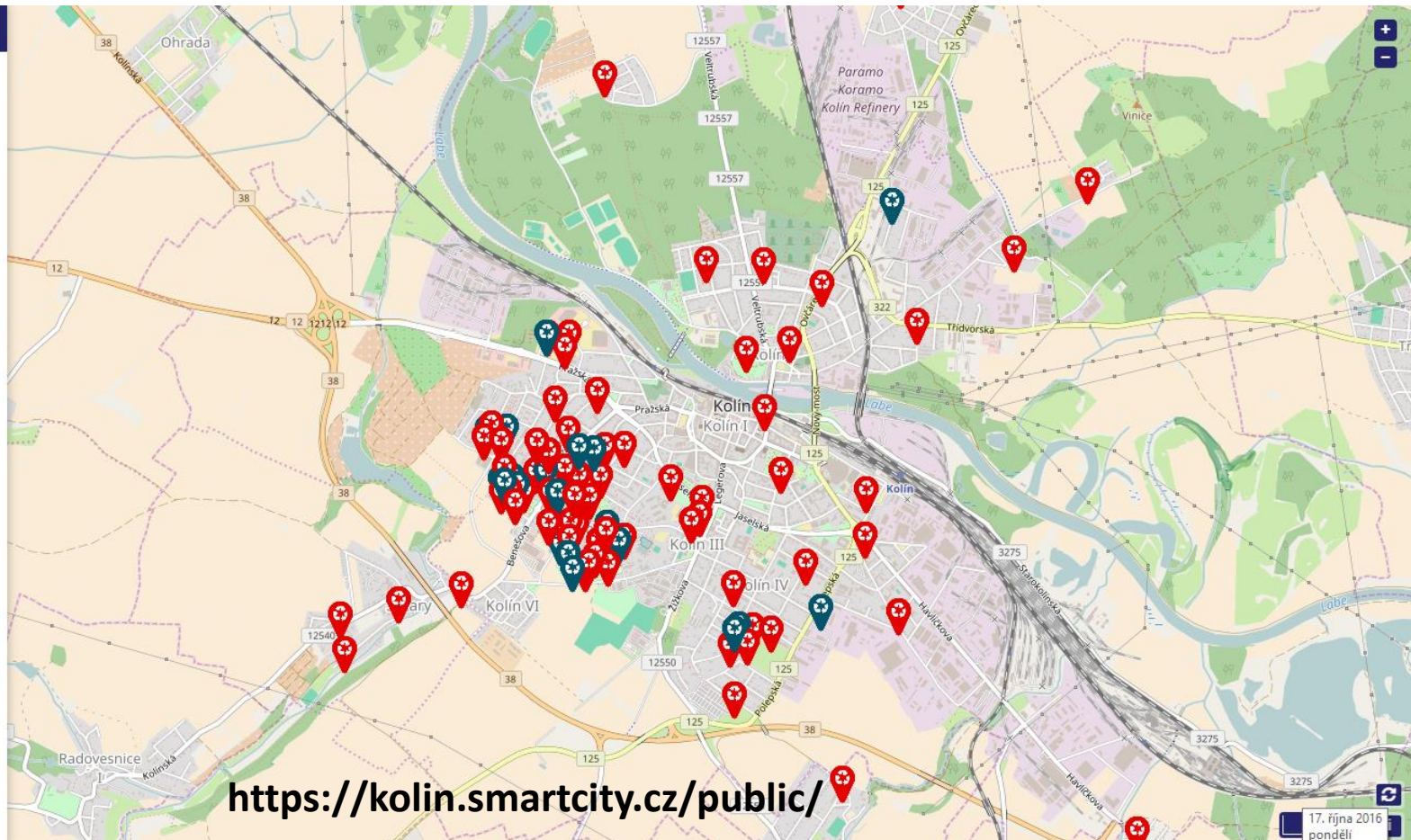


-  SKLO BAREVNÉ
-  SKLO BÍLÉ
-  BIO
-  NÁPOJOVÉ KARTONY
-  PAPÍR
-  PLAST

[Zrušit vše](#) | [Zobrazit vše](#)

[PŘEJÍT NA STRÁNKY MĚSTA](#)

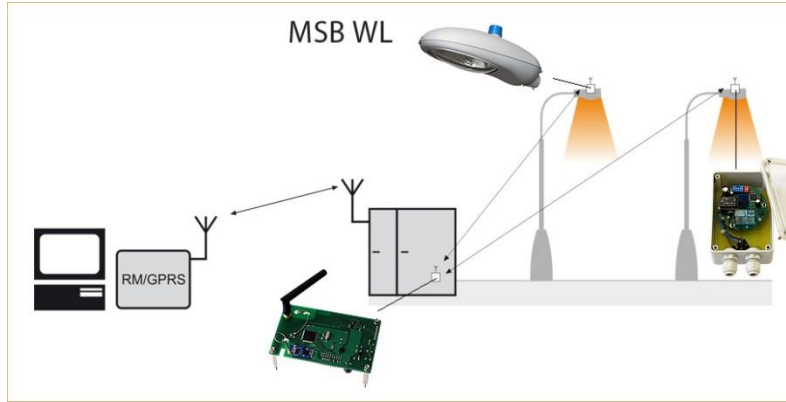
O₂ IT Services



<https://kolin.smartcity.cz/public/>



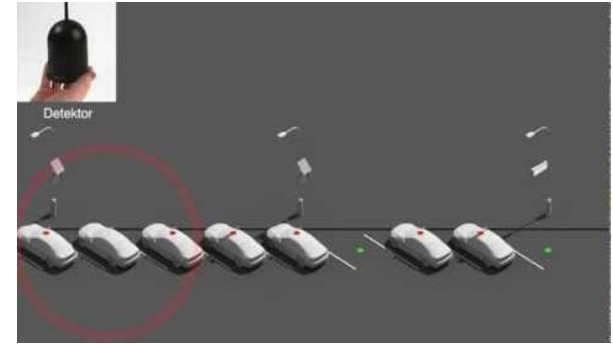
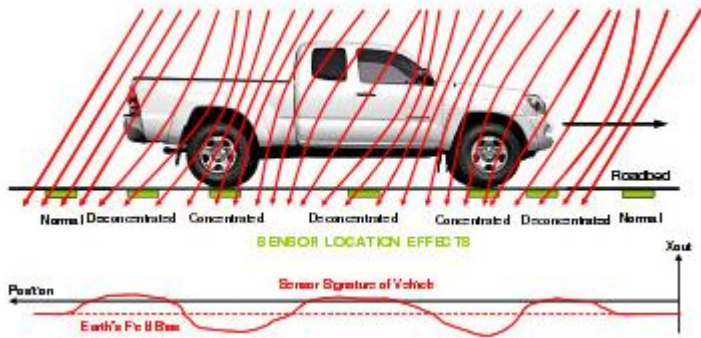
- Complex Smart City project
- Czech Smart City Cluster: E-On, Schneider Electric, Ceska Sporitelna, TCP, CVUT...)
- Street lighting, street parking, sensors: traffic, dust, noise, NOx, ...
- IQRF used as a standard wireless platform
- Roll out to other Czech and European cities



- Complete street lighting solutions
- Up to 240 lamps in one network
- Over 200m distance between lamps
- Savings over 50% (LED lights and wireless control)

- Tens of thousands lamps installed and running since 2008
- Control, data download, infrastructure database

Street parking



- Car presence sensor + GW + control SW
- Information from sensor to SW within 6 seconds
- Battery life 15+ years (10 years guaranteed)
- 100% vandal proof
- Payback period up to 1 year

A vertical graphic on the left side of the slide showing a splash of water with many bubbles and a large, clear water droplet in the lower half, set against a dark blue background.

Smart Home: Making it a reality

IQRF Conference, Praha

Jindřich Fremuth
May 25, 2016

O₂

...and millions of customers with a desire to use them



A typical mass market customer does not understand... and does not care...



What is it for?

How will I set it up?

It's expensive

It's not compatible

It's a gimmick

Integrated telecom operators have the most complete go-to-market infrastructure



We provide **HH connectivity**



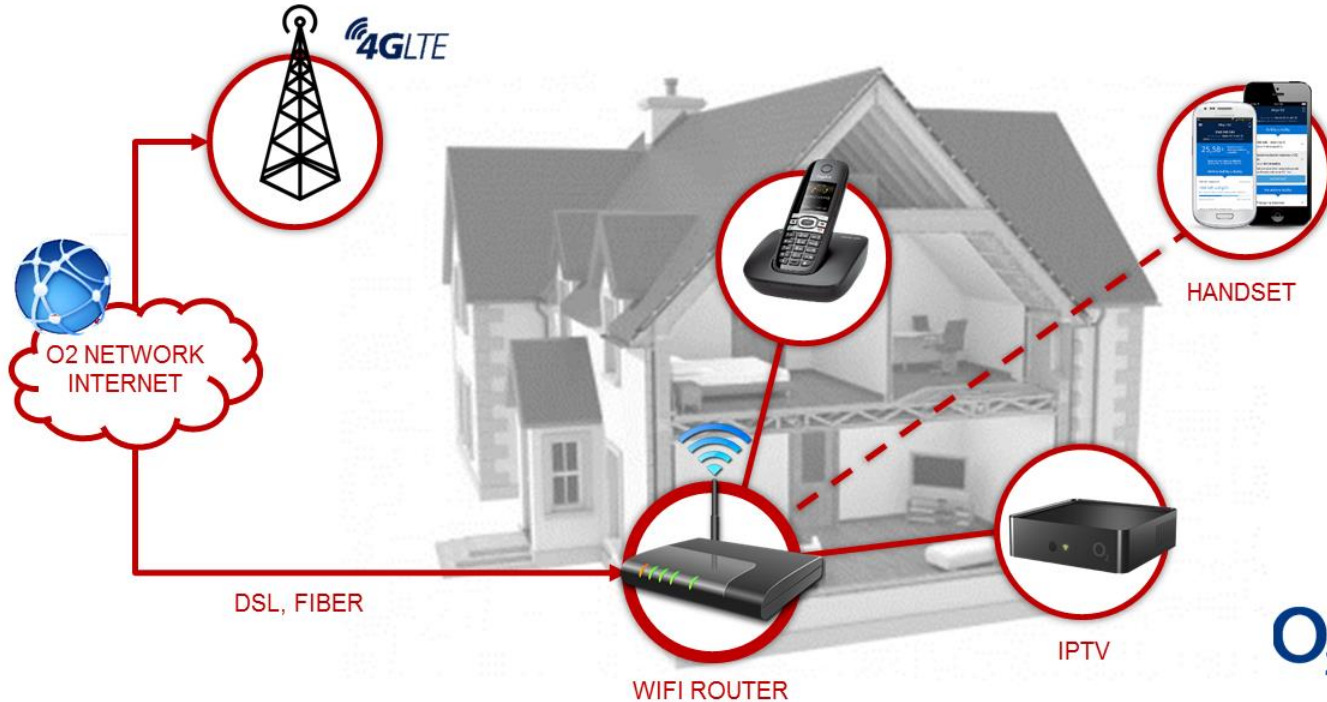
We have strong **distribution channels**



We have a **billing relationship**



We influence mobile **handset ecosystem**



O₂ is ready to work with you to help making
Smart Home a reality...

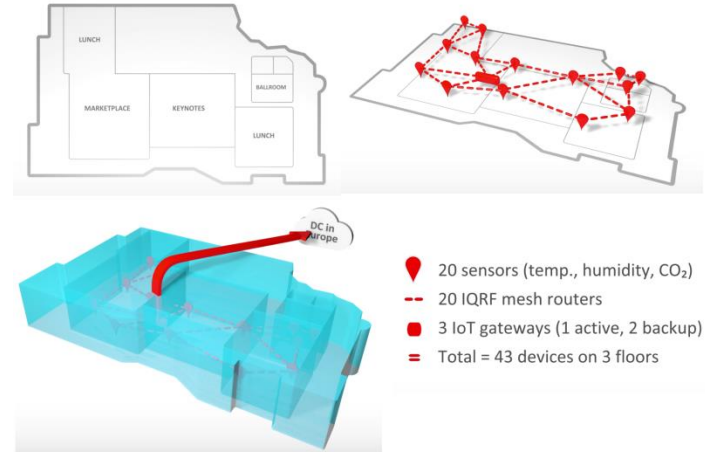
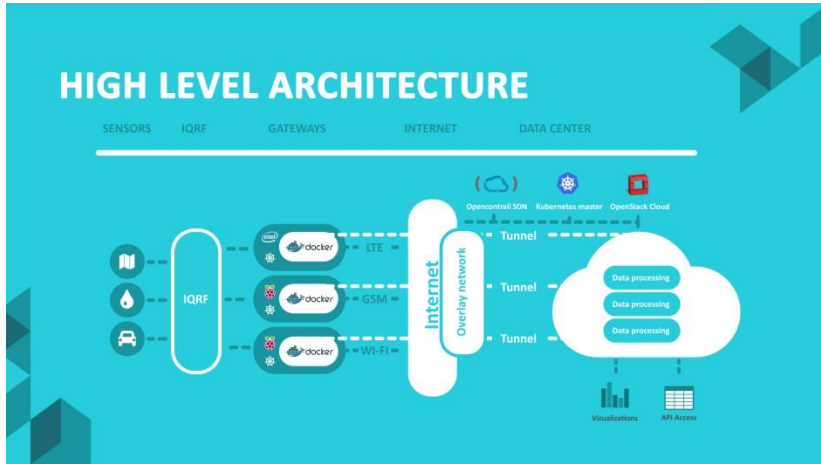




- Complete industrial lighting solution
- Up to 240 lamps in one network
- Up to 61 networks in one area
- Payback period less than 3 years
- Savings up to 65% (LED lights and wireless control)
- Excellent customer reference



- Complete solution for industrial heating
- Payback period less than 3 years (guaranteed)
- Wide range of actuators and sensors
- Products from other IQRF Alliance members integrated (scalability)



- Open IoT platform using state-of-art cloud technologies such as Openstack, Kubernetes, Opencontrail, Docker, ...
- No limits in scalability
- Applicable for Smart Cities, Smart Buildings, Smart Homes, Ineternet of Things

Events



8. – 11. November 2016

Munich, Germany

IQRF Alliance Meeting

11. - 12. January 2017

HQ of Microsoft CZ, Prague



Microsoft

O₂ IT Services



MICRORISC

IQRF Conference

Prague, May 2017

200 – 300 participants

Join us!

Together we are stronger.

