

Reálné projekty chytrých měst a budov v rámci IQRF Alliance



Šimon Chudoba
IQRF Alliance, CEO

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IQRF Alliance



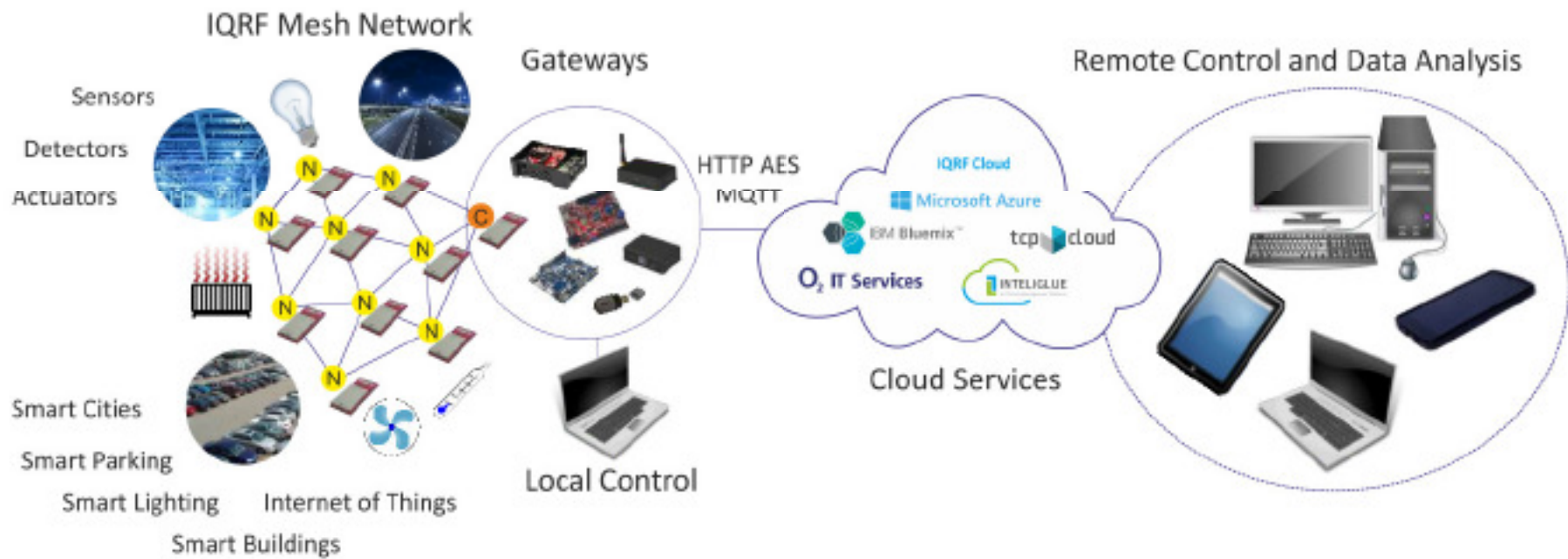
O₂ IT Services



70+ members – 17+ countries

IQRF Ecosystem

Mature wireless platform for Internet of Things.



Open Ecosystem

Clouds & Services



Any cloud

Gateways



HTTPS / MQTT

Any GW

End Devices

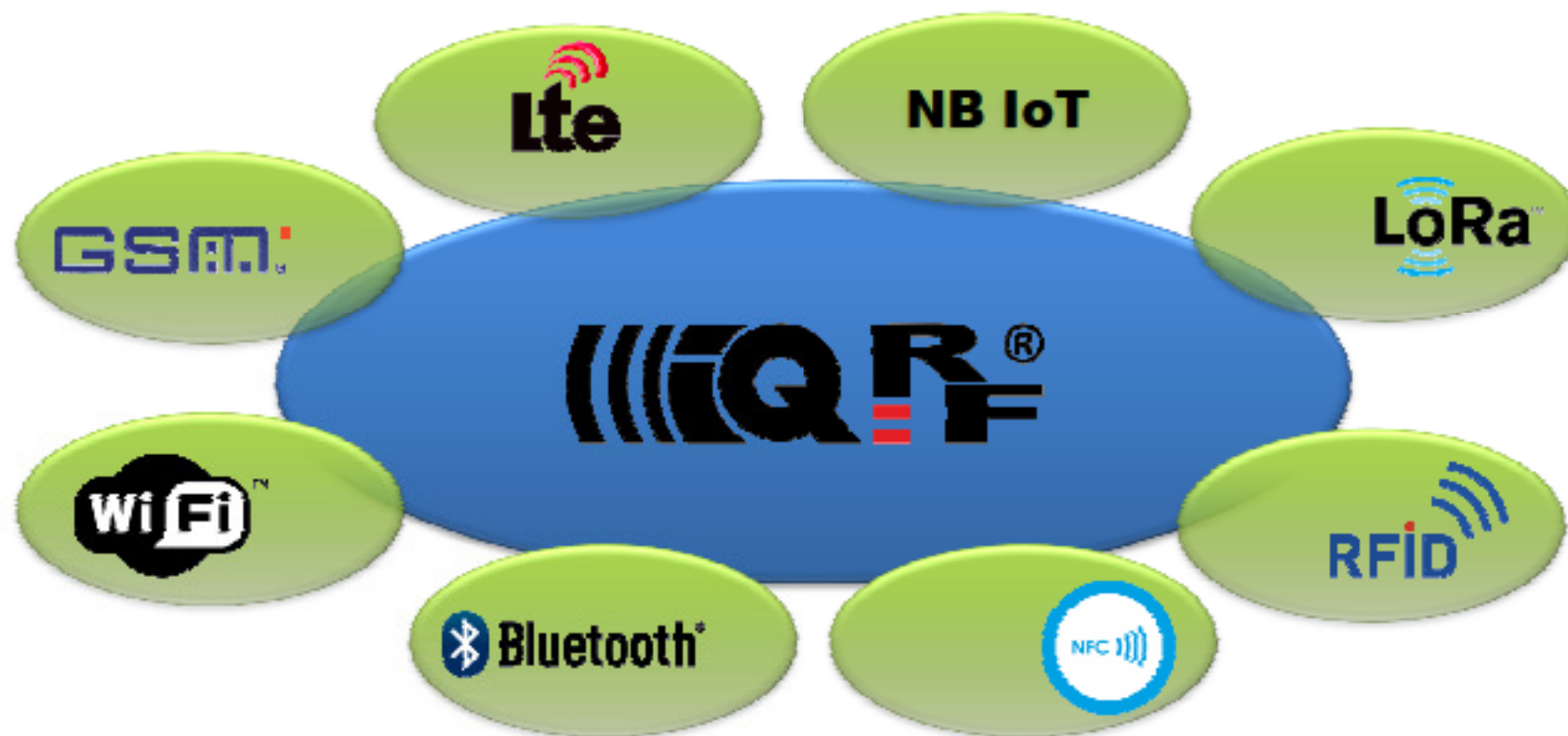


IQRF DPA

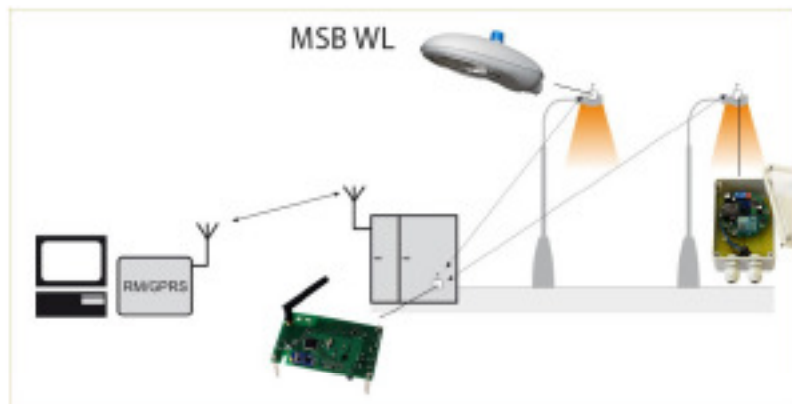
Any IQRF device

Complementary to other ecosystems

QRF® | Alliance



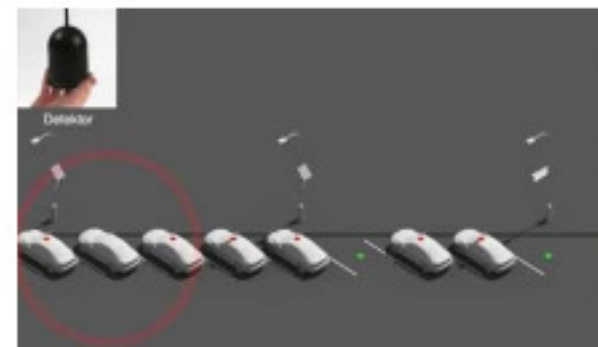
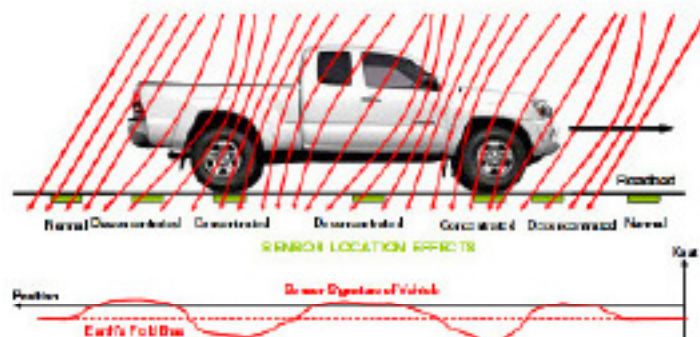
Street lighting



- 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

CITIQ

Indoor lighting



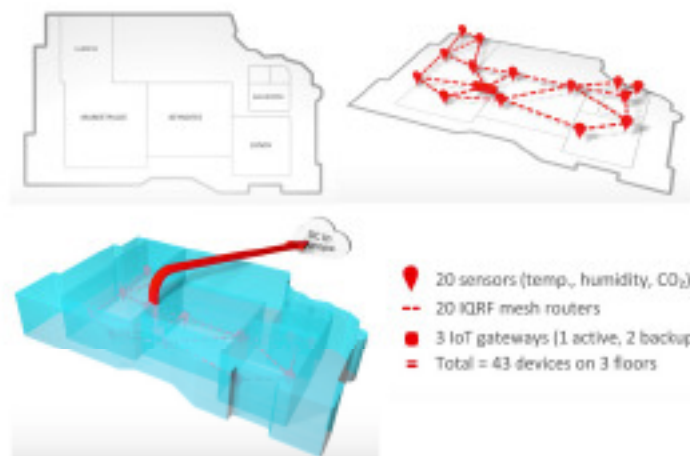
- Complete industrial lighting solution
- Up to 240 lamps in one network
- Up to 61 networks in one area
- Payback period less than 3 years
- Savings up to 65% (LED lights and wireless control)
- Excellent customer reference

Industrial heating



- 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)

CO₂ monitoring in USA



- CO₂, temperature and humidity monitoring in a large (500x300m) convention center in Austin, Texas, USA
- Installation of 20 sensors, 20 routers done in 1 hour

GATEWAY

Power supply: 5.0 ± 0.35 V DC
RTDC backup battery: CR2032 3 V, 215 mAh



IQRF

Frequency band: 868 MHz or 916 MHz (SW selectable)
RF output power: According to TR module, programmable
TR module: DCTR-72DA
Antenna: PCB antenna built-in TR module
Dimensions: 67 mm × 62 mm × 26 mm
Weight: 70 g



LOCATOR

Power consumption: max 20mA
Battery: 700 mAh
DC connector: Micro USB
DC power supply: 3 V
Operating temperature: -10°C - +60°C



IQRF

Frequency band: 868 MHz or 916 MHz (SW selectable)
RF output power: According to TR module, programmable
TR module: DCTR-72DA
Antenna: PCB antenna built-in TR module
Dimensions: 61 mm × 19 mm × 19 mm
Weight: 23 g

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READER

Power supply: 230 V AC
Power Controlled output: 230 V AC
Supply current: 40 mA
Operating temperature: -15°C - +80°C



IQRF

Frequency band: 868 MHz or 916 MHz (SW selectable)
RF output power: According to TR module, programmable
TR module: DCTR-72DA
Antenna: PCB antenna built-in TR module
Dimensions: 62 mm × 59 mm × 26 mm
Weight: 75 g

Emergency lights



- Regular preventive operation checks
- Without connectivity high personal costs
- Big risk of penalties

- With IQRF – operation check done automatically
- Automated reporting, no personal costs and no risk of penalties

Pilot projects

5G | Alliance



www.iqrf.org/summit2017

IQRF Summit 2017

Prague, June 7th – 8th 2017

300 participants

30+ speakers

10+ workshops

Market Place



