# IQRF Parking Sensor Solution



#### Budapest - Telekom parking area

- 50 sensors
- 7/24 cam controlled environment
- 24 month tests with 1440 validated status/day



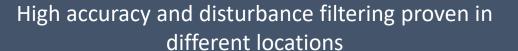
#### <u>City of Debrecen – extreme electric disturbance</u>

- 200 sensor network in city center
- 60pcs next to the tram line (<5m)</li>

## City of Kaposvár

- 400 sensor network
- City environment





#### Makesense cloud functions

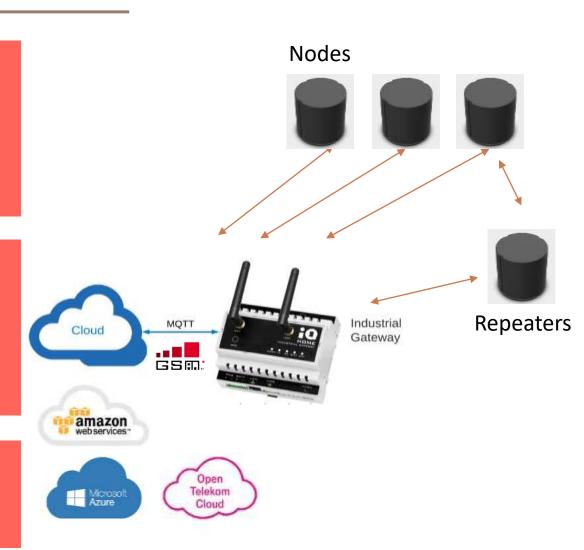
- MQTT Broker
- Device Management
- Data storage
- Interface to business partners

#### Flexible operation environment

- Ready to run in any cloud
  - Amazon AWS
  - Azure
  - OTC

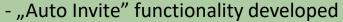
## **Efficient Outdoor communication**

- Antenna IQRF AN-09
- Range over 100meters

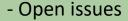


Standardized communication and flexible operation via IQHOME IQRF Gateways

- Industrial grade efficient use of IQRF based communication proven
  - Network elements
    - Makesense Parking Sensors
    - Makesense Repeaters
    - IQHOME IQRF gateways



- 1 dedicated comm channel to new nodes
- Coordinator initiate 1st contact with new nodes via a dedicated channel



- Proof of real large scale sensor network (thousands of nodes and dozens of gateways)
- Cost effective on site Maintenance requirement of large
- Next project Budapest City Center 2,000 devices





# Thank you for your attention!

For further information & pricing please contact us at:

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