



#### **History**

- 10/2014 community IoT Bratislava, today more than 500 members
- 2015 1st LoraWan network in Slovakia on own gateways
- 04/2017 MAKERS s. r. o. established
- 2018 IQRF Alliance member

### MAKERS s. r. o. company profile

- years of experience in the area of IoT and smart homes/buildings
- constantly growing team (today 15 people)
- office in Bratislava, Slovakia

# Our services

design and implementation of IoT projects for B2B customers

- System architecture and technology design for complex IoT projects (Smart home/building/city/lighting/metering/grid)
- HW integration (sensors & actuators), PLC programming
- IoT platforms customisation and extension
- API programming and BigData integration
- GUI development

# LogicMachine - MAKERS IoT gateway

 All-in-one cross-standard controller uniting in one device gateway functionality, cloud service integration, complex network logic engine, easy-to create visualization platform, I/Os and much more.







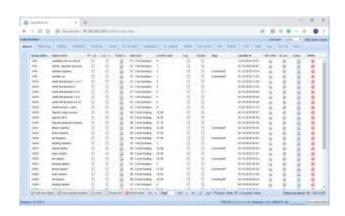


Opensource, strong community&support, rapid development

# LogicMachine - MAKERS IoT Edge Controller

- Multiprotocol gateway with open and powerful SW architecture
- Secure and reliable communication with IoT platform (e.g. MQTT)
- Open programming environment and many standards supported.
- MAKERS developed <u>own programming framework</u> accelerating development.



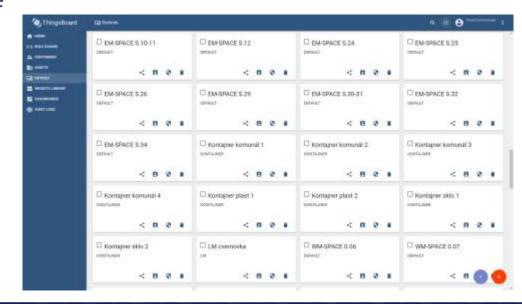




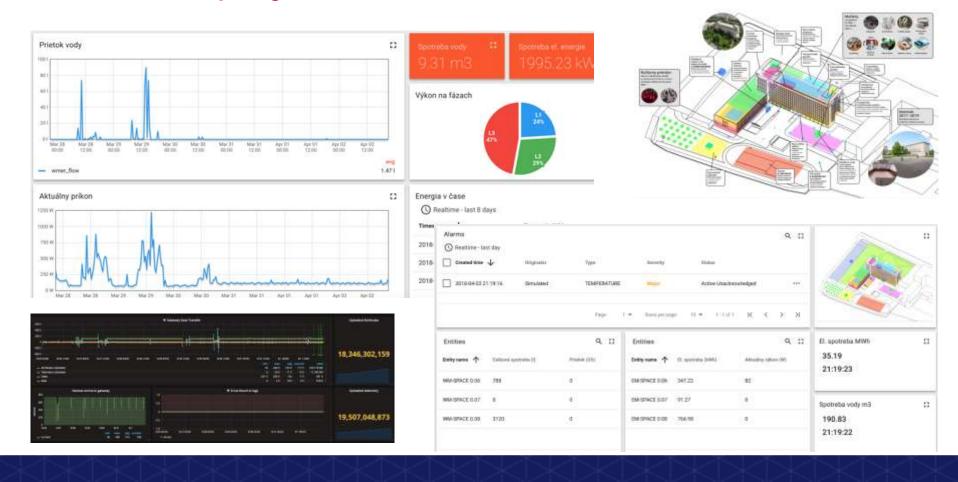
# LogicMachine + IQRF + IoT platform

## Auto provisioning

 Automatically create and configure new devices discovered by LogicMachine



# Reference project: "Cvernovka"



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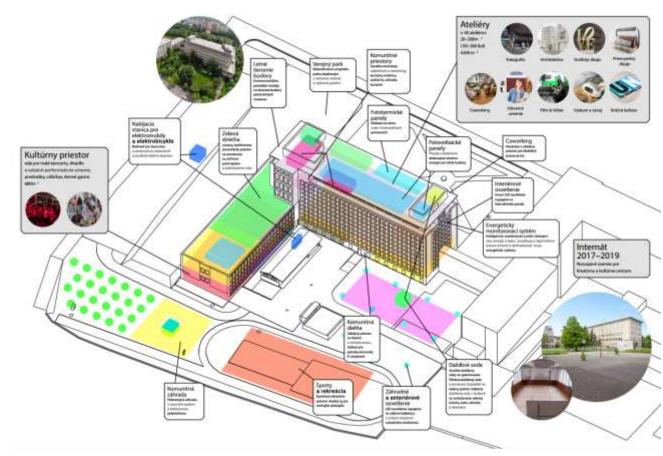
#### **Smart City incubator**

- Photovoltaic panels
- Hot water solar panels
- Rain water collectors & distribution
- E-car chargers
- Smart metering

### **Facility management**

- Ticketing & reservations
- Polling
- Reminders
- Energy monitoring system

http://nadaciacvernovka.sk/



## Reference project: "Cvernovka"

#### What we did

- HW integration
- IoT Edge programming & deployment
- IoT platform development & deployment
- IoT platform maintenance & support



## Future project: Supermarket chain in Slovakia

IoT solutions interconnecting sensors and 3rd party (cloud) services to better understand the energy consumption and temperatures throughout the store.

Online actual overview of all measured values on a SCADA like user interface.
Alerts, reports and anomalies detection.





## Thank you!

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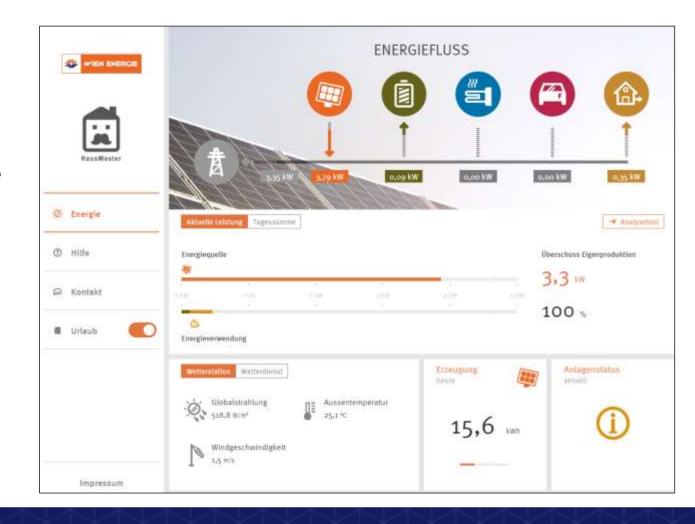


# Reference: HausMaster

Complete SmartHome solution.

Similar to other smart home products of Telco or Energy providers, but with different approach.

We provide local autonomous control.



Reference: Smart City (Smart Lighting)

