

IQRF Summit 2017
7.6.2017

ALIS

LOCALIZATION & SAFETY MONITORING SYSTEM

Michal Růžička
R&D manager

ALEDO



Lighting



Identification



Safety



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Identification

Safety





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The background of the slide is a faded, grayscale image of a bridge with a series of arches, receding into the distance. The bridge is positioned diagonally across the frame.

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LOCATOR

Power Consumption:
max 20mA
Battery: 700 mAh
DC connector: Micro USB
DC power supply: 5 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

1

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2

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: 82 mm × 59 mm × 28 mm
Weight: 76 g

GATEWAY

Power supply: 5.0 ± 0.35 V DC
RTCC backup battery: CR2023 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
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Dimensions: 87 mm × 62 mm × 26 mm
Weight: 70 g

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CLOUD

5



6

CLIENT

4

ALIS SERVER

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IQRF

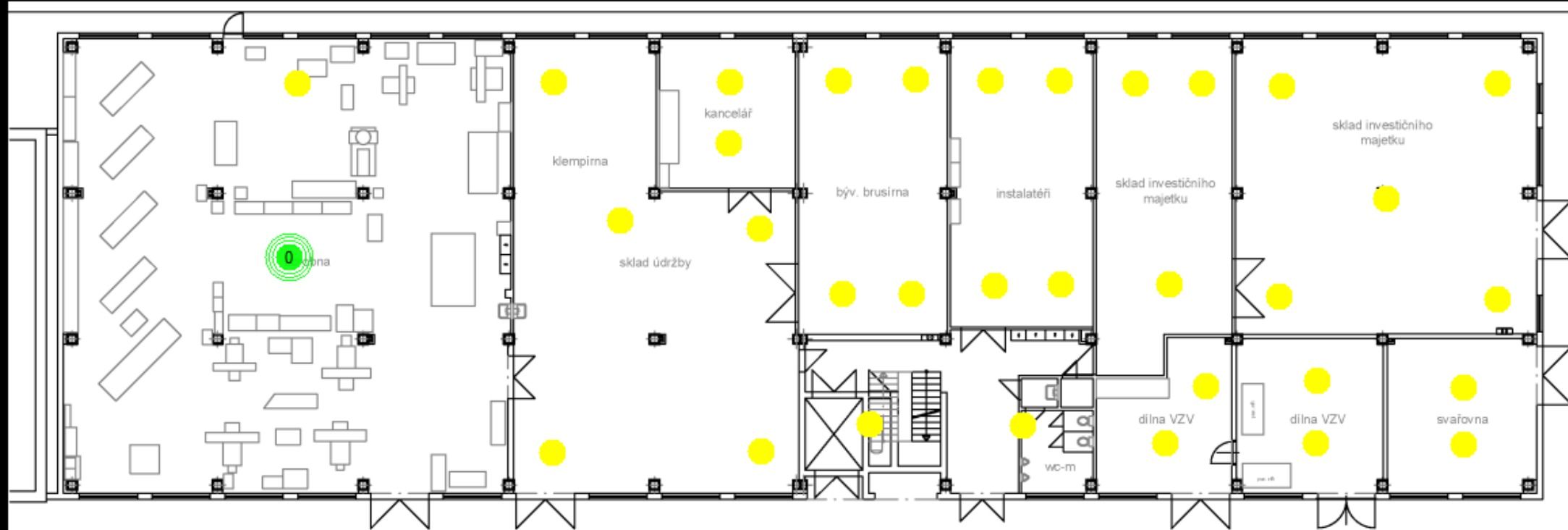
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Back



Conference room



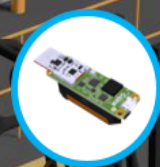
-  ID: 0 Josef Hrabal
-  ID: 1234 Michal Růžička
-  ID: 33333 Petr Mašek
-  ID: 44444 Jakub Snížek

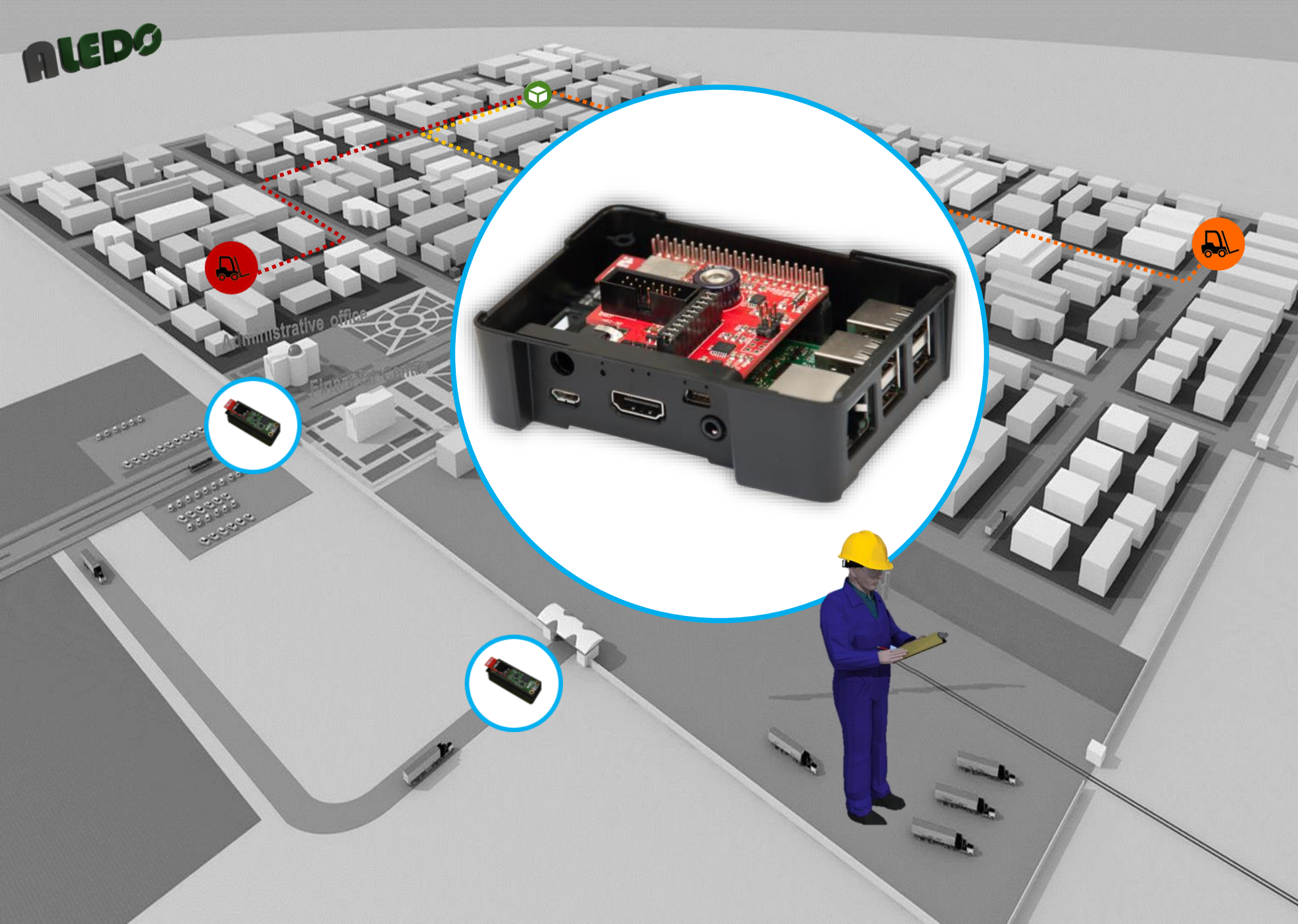


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LOCALIZATION & SAFETY MONITORING SYSTEM

GATEWAY

REMOTE CONTROLLED
WIRELESS UPDATE
LINUX BASED

OUTDOOR USES

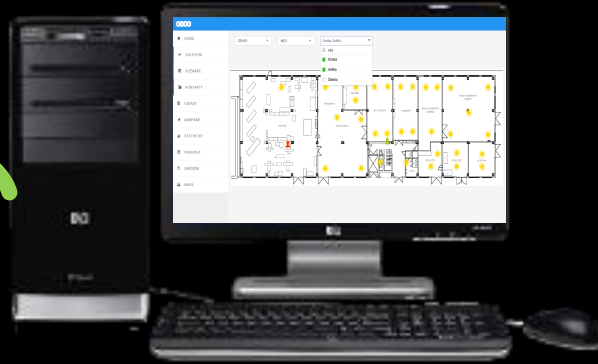
COMBINATION IQRF/GPS

 **603 meters**

 **491 meters**

 **338 meters**

VISITORS MONITORING
TRANSPORT NAVIGATION



6

CLIENT



WARNINGS:

- SMS
- EMAIL
- PHONE CALL

5

CLOUD

DATABASE SERVER

KISS

4

ALIS SERVER

LOCALIZATION ESTIMATION

ALARMS MANAGEMENT

INTELIGENT LIGHTING

DESKTOP / MOBILE INTERFACE

DATABASE INTERFACE

CLIENT INTERFACE - KISS

DOMŮ

OSLOVENÍ

SCÉNÁŘE

KONTAKTY

VZKAZY

KAMPANĚ

STATISTIKY

PRAVIDLA

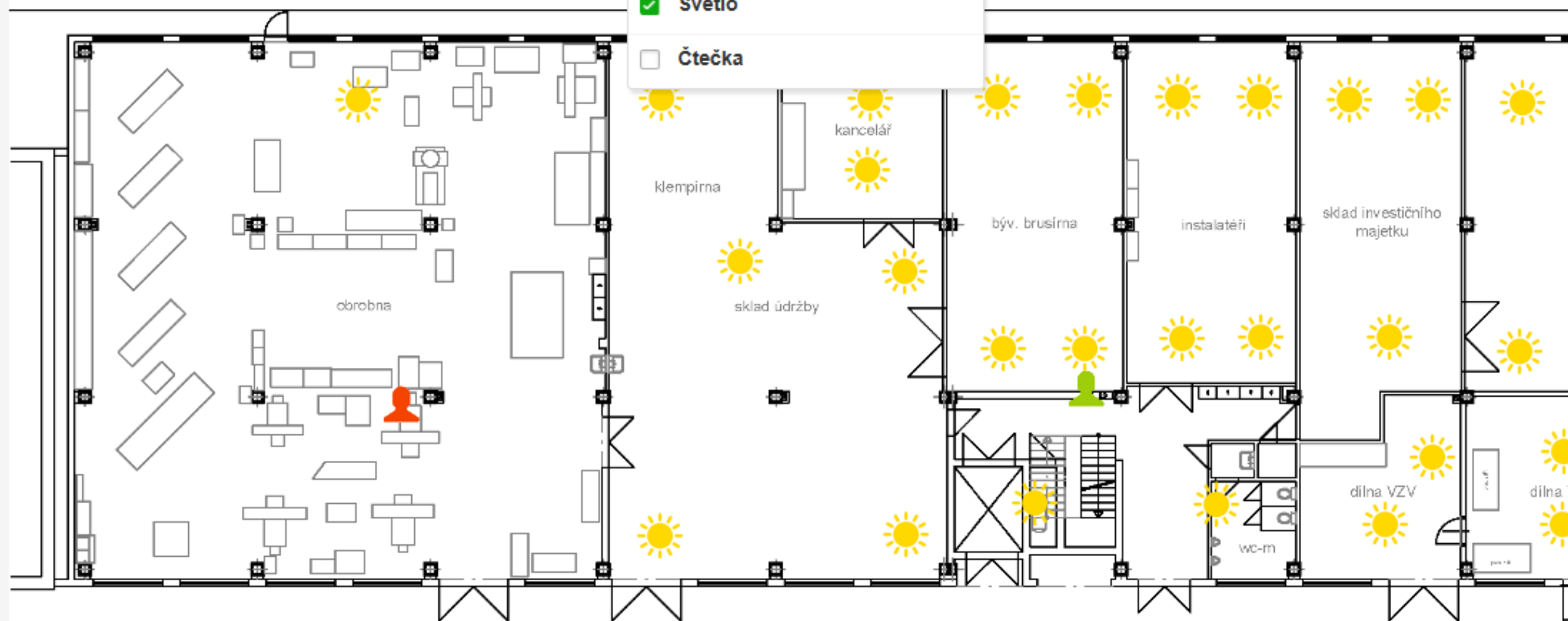
ZAŘÍZENÍ

MAPA

DEMO

M02

Osoba, Světlo

 Vše Osoba Světlo Čtečka



LOCALIZATION
AND
SAFETY MONITORING
SYSTEM

LET'S BUILD WITH US IQRF WORLD



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Thank you for your attention...

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