QRF® tomorrow

Dr. Vladimír Šulc, CEO, MICRORISC s.r.o.

2015 New products

Smarter wireless solutions. Simply.

TR-72Dx

TR-76Dx

GW-GSM-02A

GW-WIFI-01

DS-START-04

GW-USB-06

GW-ETH-02A

IQRF Cloud

MySQL

KON-RASP-01

RT-230-06

DS-DPA-02

2016

Internet & Things: Nirvana Is Far. And Close.

2015 IQRF® Data Controlled Transceivers

Smarter wireless solutions. Simply.

1981: AT Commands

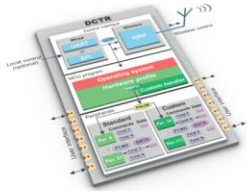
D.Hayes introduced command set enabling LOCAL control

2007: DPA technology

MICRORISC introduced concept of DPA for general NETWORK environment

2014: IQRF® DCTR

IQRF Data Controlled Transceivers® enable everybody who is able to send data via SPI or UART to communicate directly with WMN peripherals



Network devices are completely controlled by DPA commands, specifying where and what should be performed:

NADR	HWPID	PNUM	PCMD	DATA
Network address	HWP identification	Peripheral number	Command	Data (optional)

2017

Solutions

Deployments

Products

Tools

IQRF IDE

IQRF SDK

Components

IQRF cloud

Technologies

OS DPA IQMESH OTA DCTR FRC DSM AES

2004 2006 2010 2014 2015 2016

tomorrow

Vladimír Šulc, Ph.D., CEO, MICRORISC s.r.o.

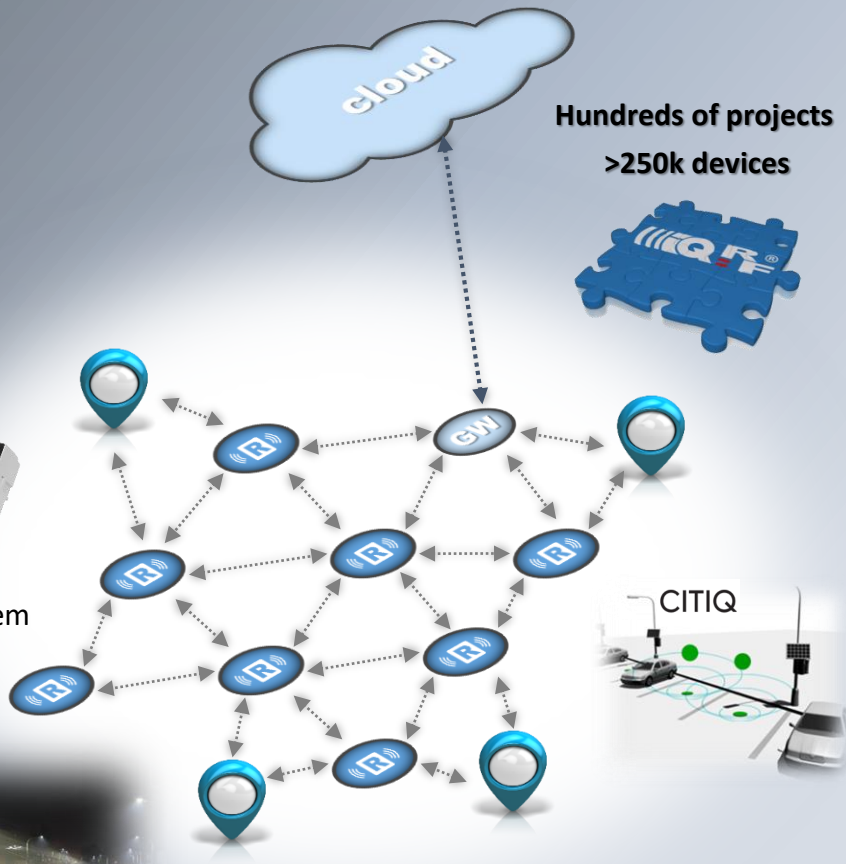
tomorrow

tomorrow

Where we are …

2004

IQ Home Ecosystem



2017

Excellent horizontal platform for IoT based on mature wireless mesh technology

tomorrow

IQRF Tech s.r.o.

invited strategic partners

IQRF® Core Infrastructure

Dedicated repeater

Industrial gateway

IQRF® Daemon + SDK

Commercial gateway

IQRF® OS

IQRF® HWPs

IQRF® IC

Data Controlled Transceiver

IQRF® OS

IQRF® HWPs

Excellent horizontal platform for IoT based on mature wireless mesh technology

... and why?
Smarter Wireless. Simply.

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WHY are we going to …

Being loser

Tomorrow + 1

Excellent horizontal platform for IoT based on mature wireless mesh technology

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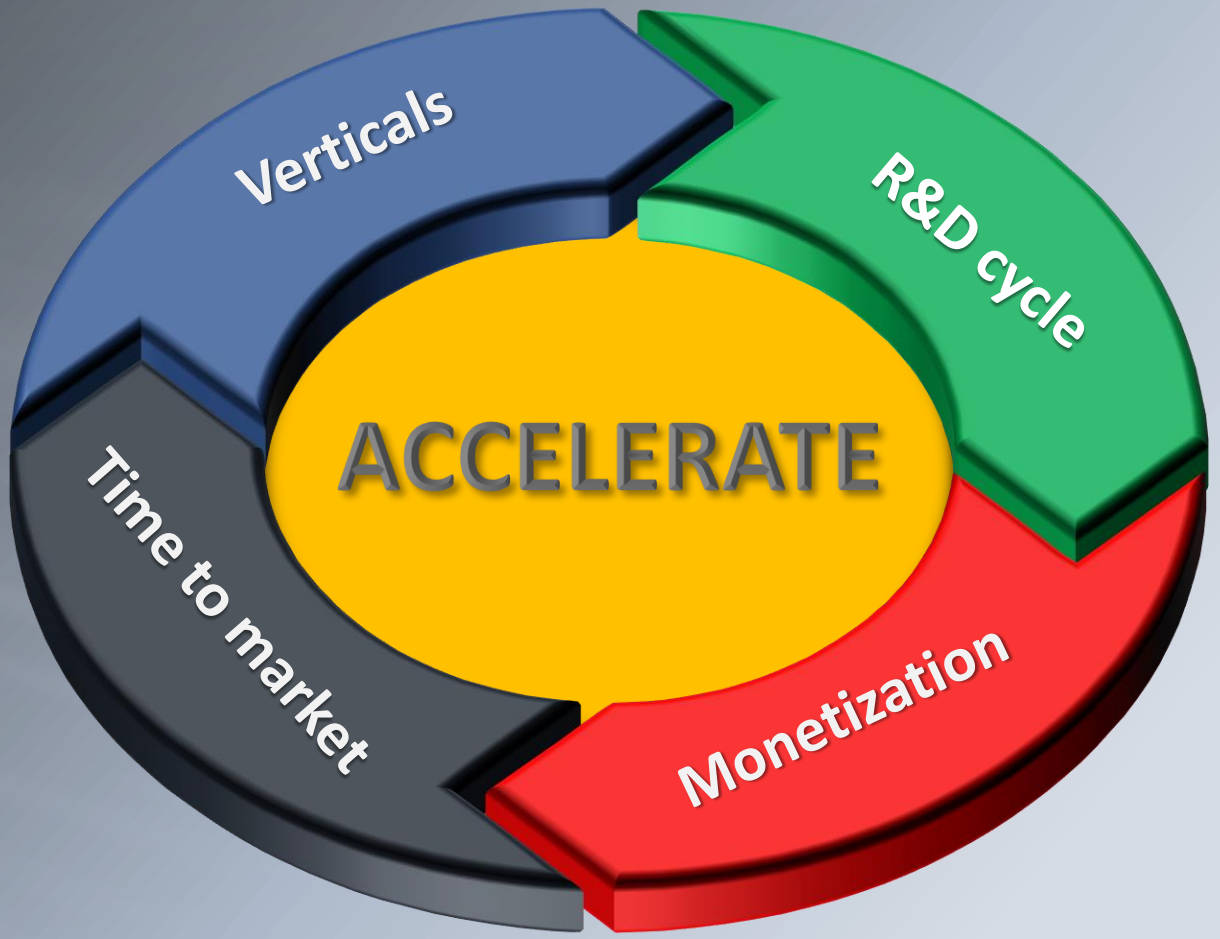
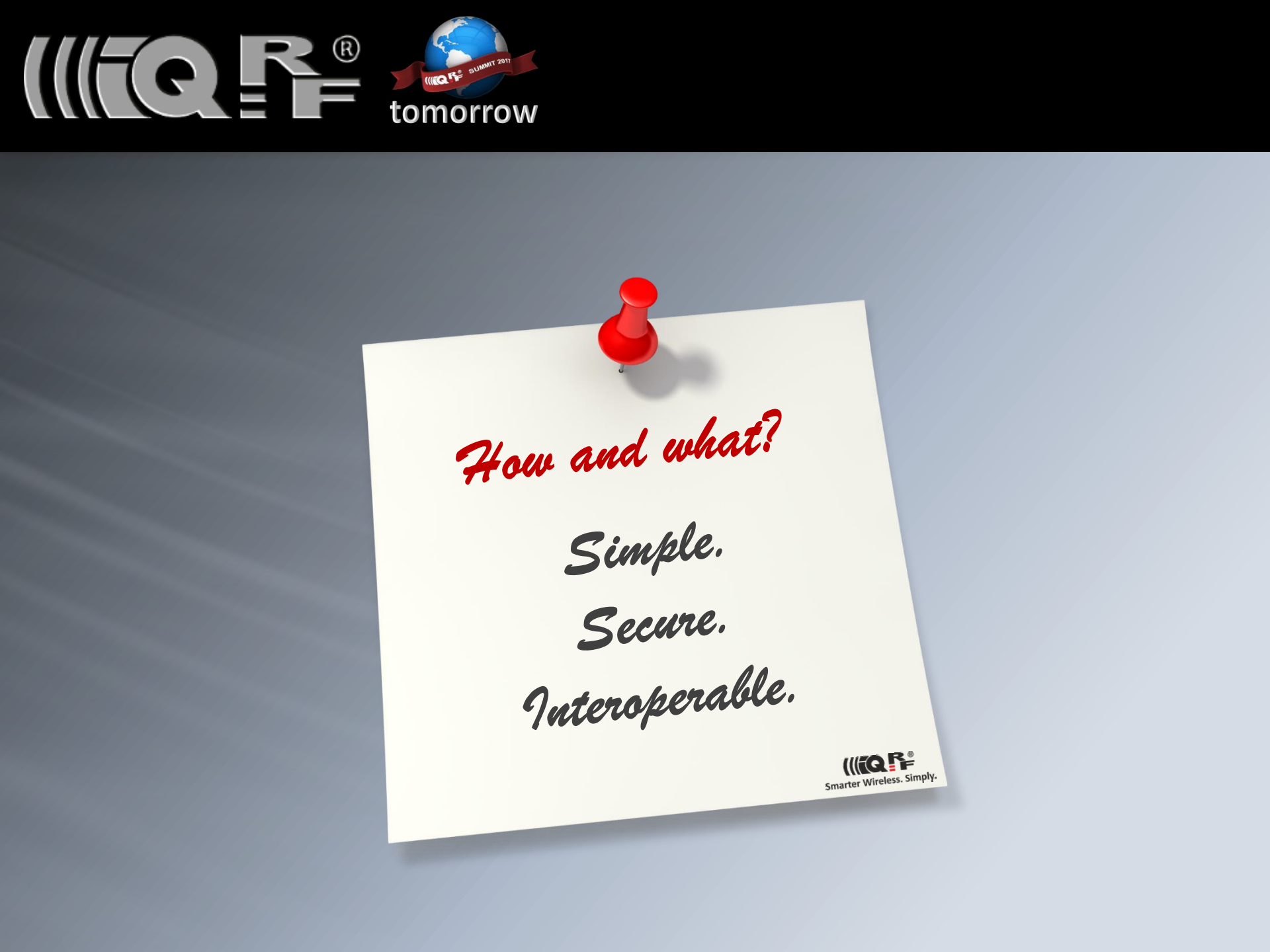
WHY are we going to …



Excellent horizontal platform for IoT based on mature wireless mesh technology


tomorrow
SUMMIT 2017
How and what?
Simple.
Secure.
Interoperable.
Smarter Wireless. Simply.

Data Controlled Transceivers

Hardware profiles (HWP)

Simple

Secure

Interoperable

DPA protocol

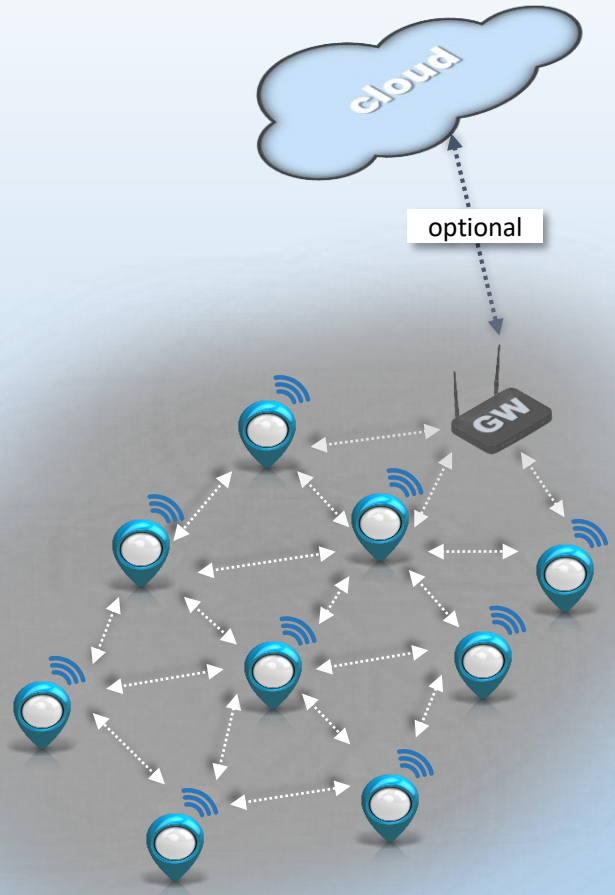
Standardized DPA commands

Excellent horizontal platform for IoT based on mature wireless mesh technology

How and what?
Devices simply deploy infrastructure.
Smarter Wireless. Simply.

HOW can we achieve that …

today



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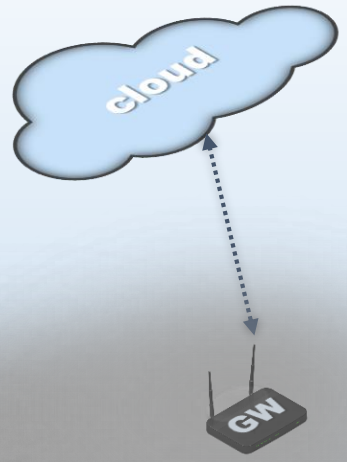
HOW can we achieve that …



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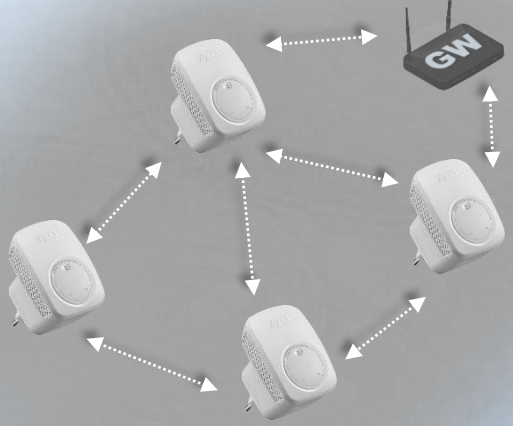
HOW can we achieve that …



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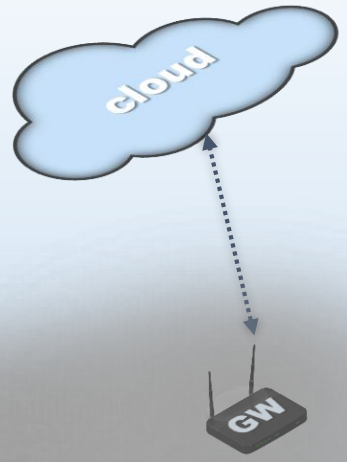
HOW can we achieve that …



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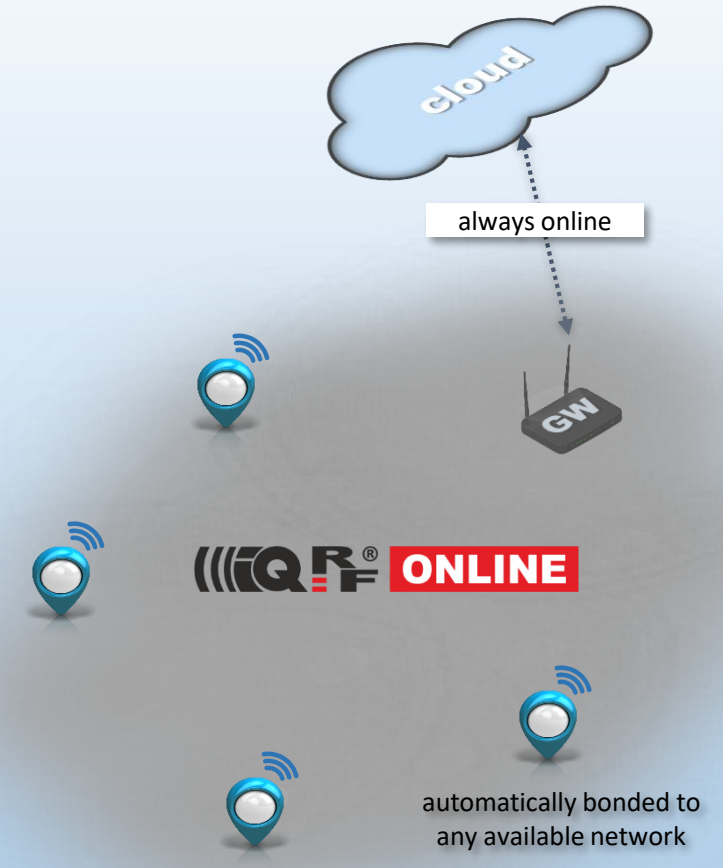
HOW can we achieve that …



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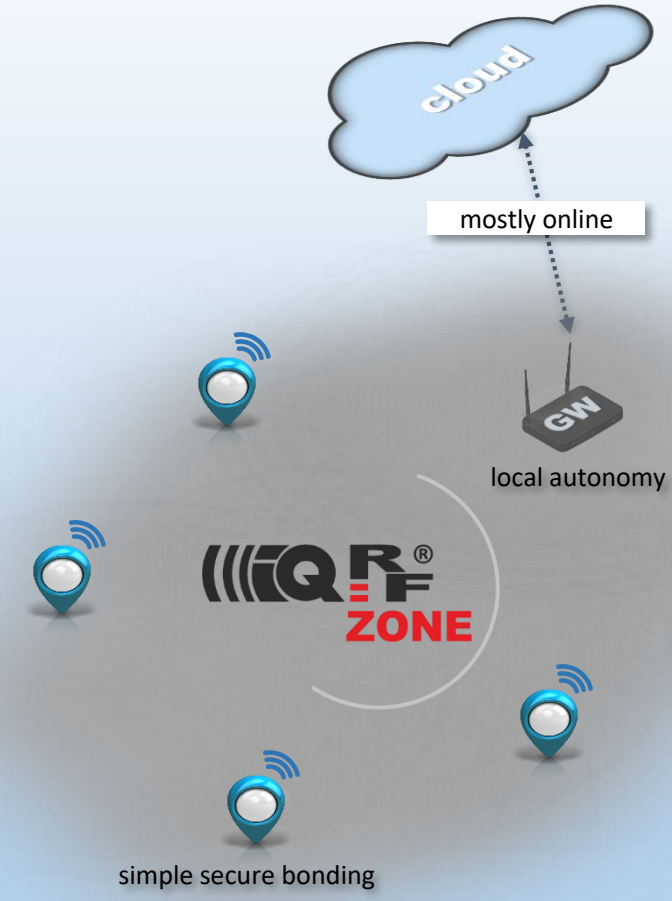
HOW can we achieve that …



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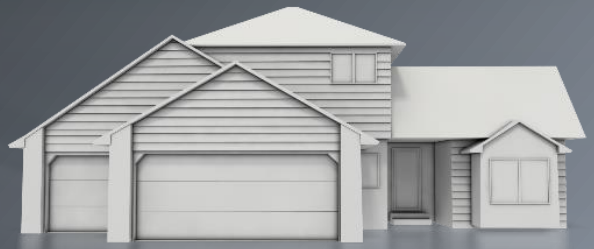
tomorrow

HOW can we achieve that …



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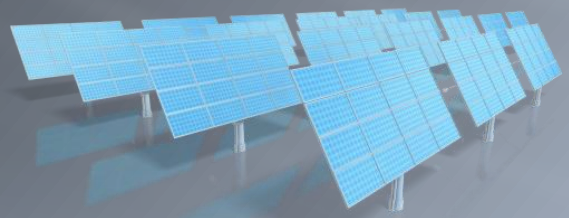
ONLINE



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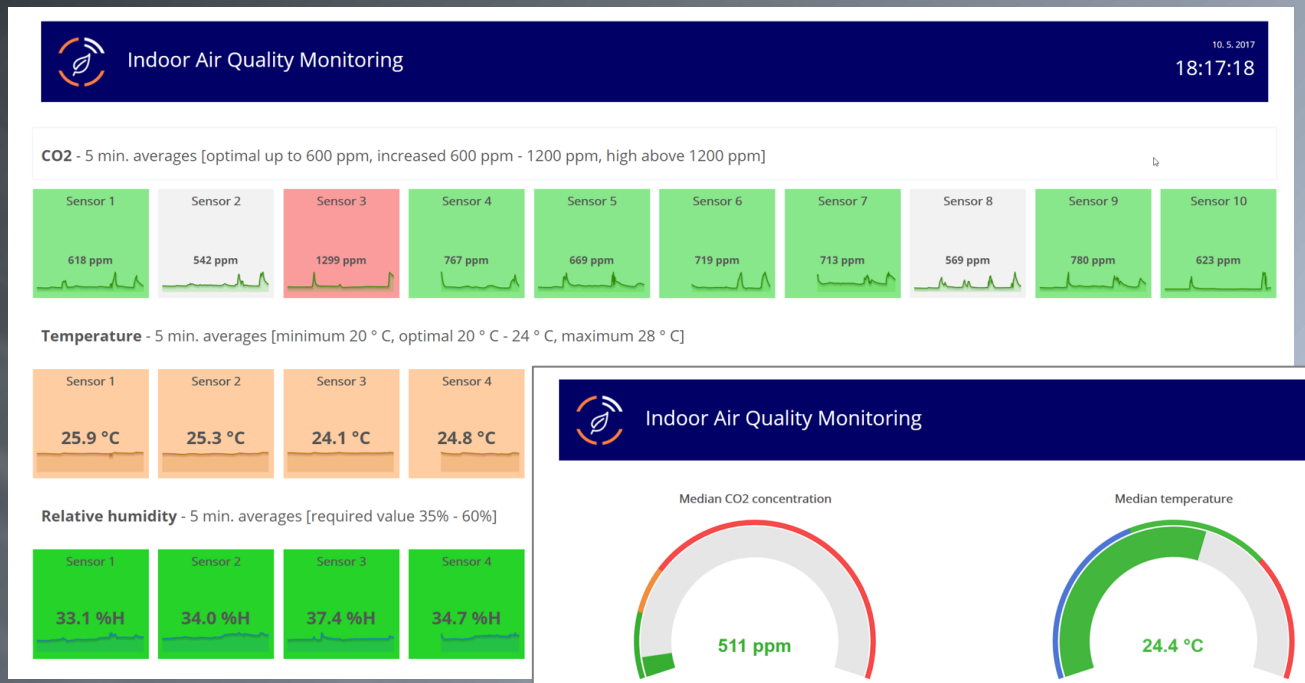
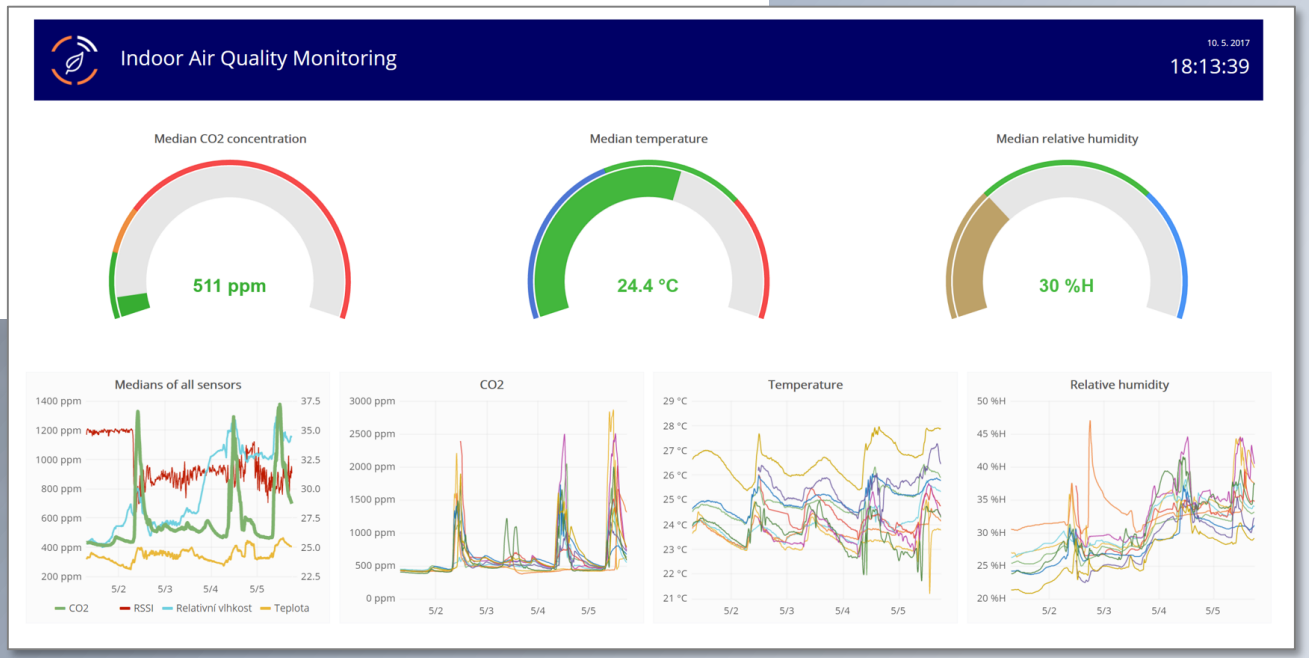
HOW can we achieve that …

tomorrow





ONLINE

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tomorrow

HOW can we achieve that …

Excellent horizontal platform for IoT based on mature wireless mesh technology

How and what?
Recap
Smarter Wireless. Simply.

tomorrow

WHY and HOW can/should we do that …

Secure

Interoperable

R&D cycle

Standardized DPA commands

Time to market

Data Controlled Transceivers

Monetization

ACCELERATE

Simple

Hardware profiles (HWP)

VERTICALS VERTICALS VERTICALS VERTICALS VERTICALS

Let's surf on IoT wave

ZONE

ONLINE

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… thank you for helping us to make our dream real

wireless mesh technology for IoT

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