



Weidmüller 

Welcome to Weidmüller

Who we are

14th March 2019



1. Our company – facts and figures

We connect people, markets and industries around the globe



Independent – for more than 160 years

Our success – performance, competence and reliability

This we live out of tradition – dedicated, ambitious and always convincing

Weidmüller – Your Partner in Industrial Connectivity



As experienced experts we support our customers and partners around the world with products, solutions and services in the industrial environment

We are developing innovative, sustainable and useful solutions for individual needs

Let's connect.

We grow continuously and sustainable

Our development to a global player



Weidmüller Italy



Weidmüller Australia



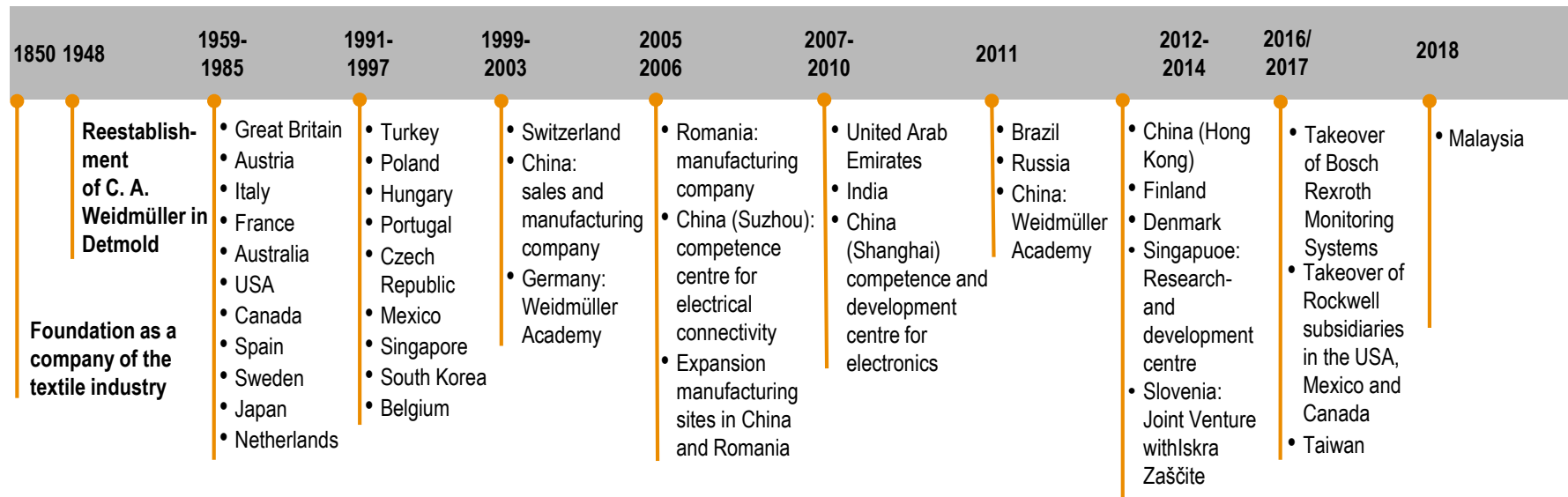
Weidmüller China (Suzhou)



Weidmüller Brazil

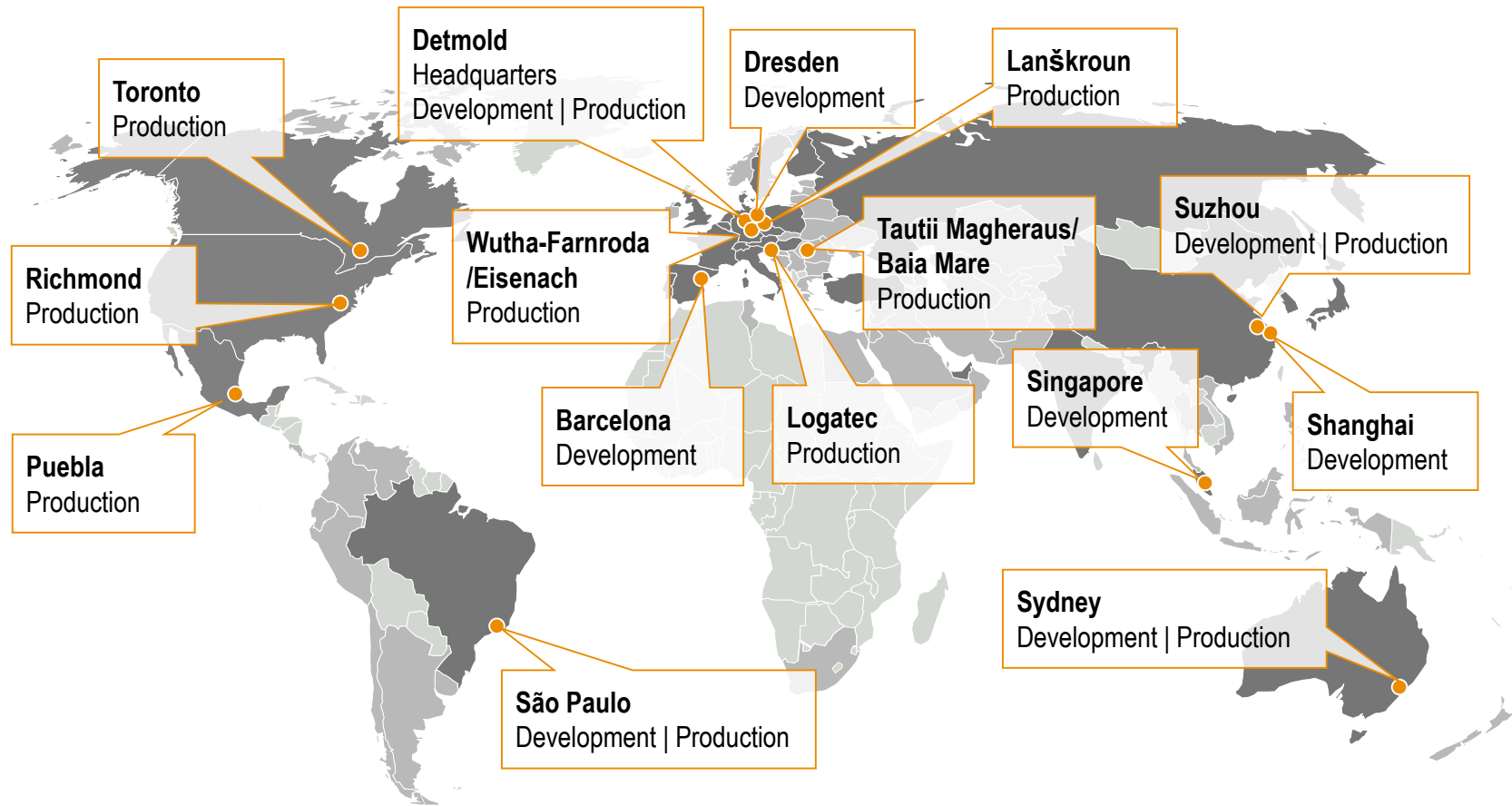



Weidmüller Russia



We are there wherever we are needed

Our global development, production and sales network



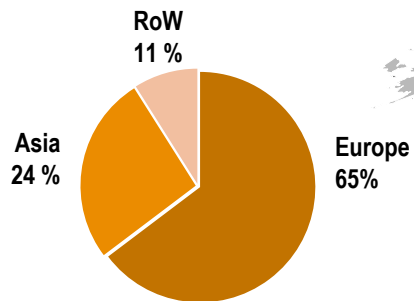
 31 sales companies

 ~60 exclusive agencies and representatives

 other distributors and direct delivery in particular cases

Weidmüller Facts

Sales 2017: 740 Mio. €



**R&D ratio
6.5%**

José Carlos Álvarez Tobar
Chief Marketing and Sales Officer (CSO)

Detmold
Headquarters
Development | Production

Jörg Timmermann

Speaker of the Executive Board Chief
Financial Officer (CFO)

Volker Bibelhausen

Chief Technology Officer (CTO)

4.700 employees



ca. 49%
international

● Production/ development ■ 30 sales companies ■ ~60 exclusive agencies and representatives ■ other distributors and direct delivery in particular cases

Cabinet Products

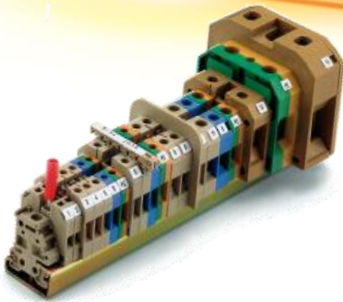
Device and Field Connectivity

Automation Products and Solutions



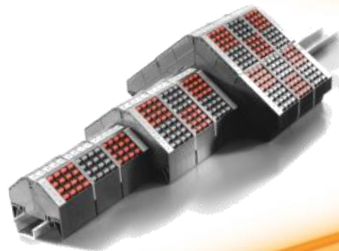
Our innovations have made industrial history

Weidmüller – successful since 1948



1948

The first plastic insulated terminal blocks



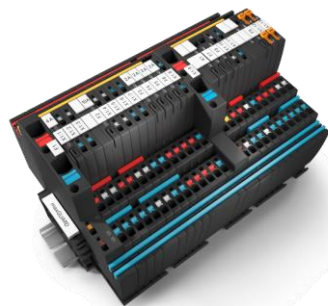
2010

The PRV with "PUSH IN" - wire connection



2013

Modular IP-20 Remote-I/O-System u-remote



























2016

Restructuring of the entire terminal block portfolio under the name "Klippon Connect"
Introduction of the A-series with application-oriented products

Our customers can be found in many different industries

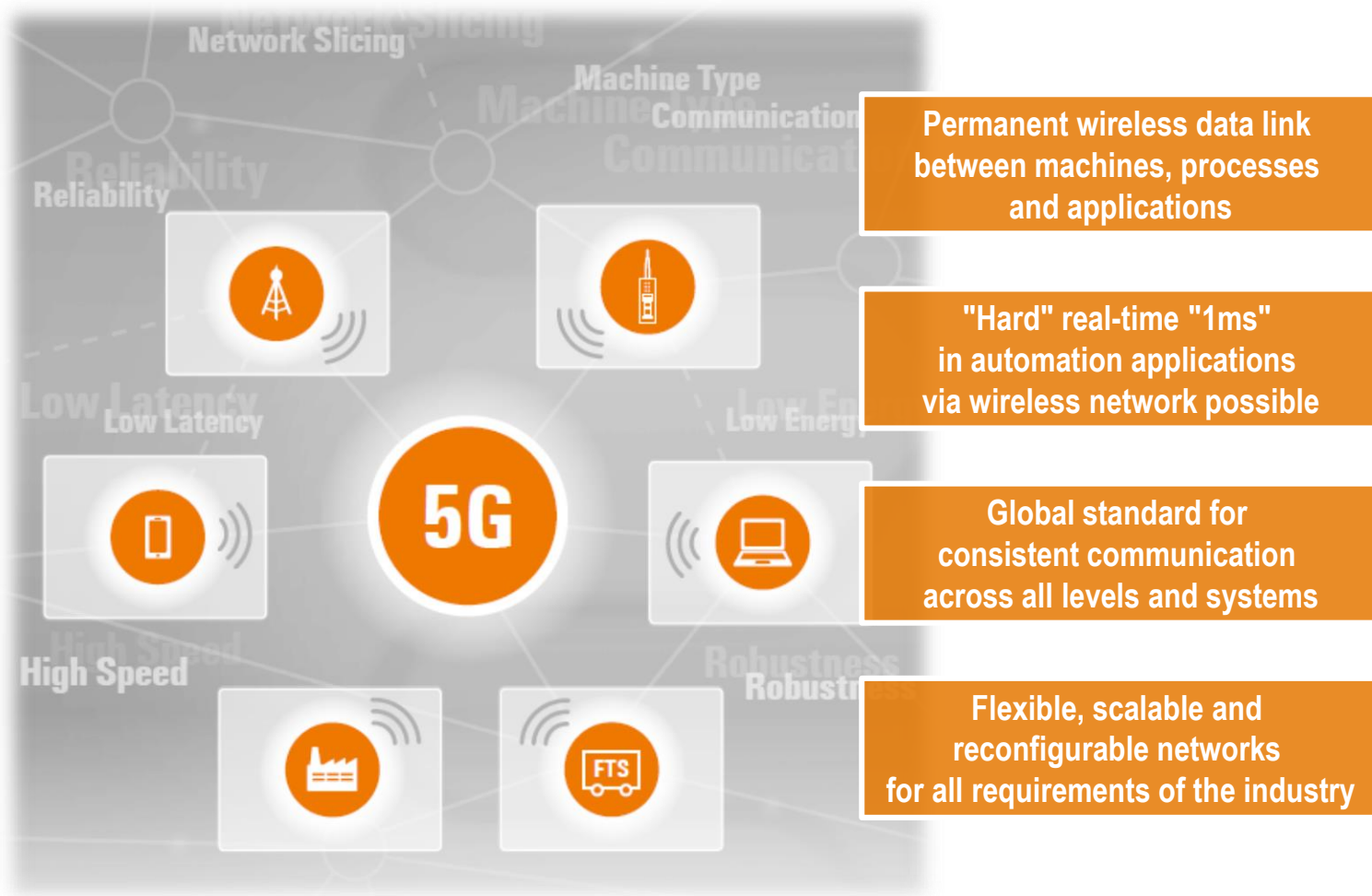
These are our markets

Machinery & Factory Automation		Energy	Process	Transportation	Device Manufacturer	Building infrastructure
Machine Tools	Automotive	Wind	Water Treatment	Railway	Control devices	Offices
						
Food & Beverage	Elevators & Escalators	Photovoltaik	Oil & Gas	Infrastructure	Motion Controls & Power Electronics	Industrial
						
Smart Factory	Conveying Systems	Traditional	Chemical	Ship Building	Telecommunication Devices	Public
						
		Transmission & Distribution	Pharma			Commercial
						



Roadmap to Industry 4.0 and 5G

5G Technology as Convergent Communication Infrastructure



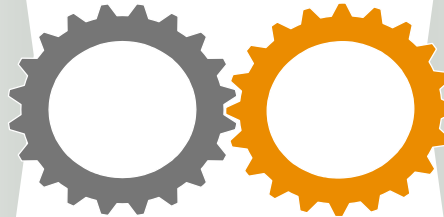
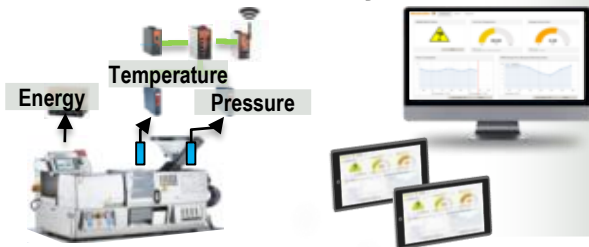
Weidmüller acts as a Supplier and an Operator of Industry 4.0

Supplier of Industrie 4.0

Products:



Solutions (z.B. Analytics):



Operator of Industrie 4.0

Weidmüller's Factories



Current 5G activities at Weidmüller

EU-funded research project



Gain knowledge on SDN & facilitate business models

Plan future factory networks



More wireless connections featuring novel applications

Gain flexibility and agility by introducing SDN and 5G



Simplified restructuring of networks and services

Applications such as AR/VR, Analytics, IIoT Sensors



Data gathering with IIoT components allowing for complex analytics

About 5GTango

The 5GTANGO project is an EU-funded project (Horizon 2020) and part of the 5G-PPP Phase 2 initiative.

The innovative project has a 30 month workplan, started in June 2017.

5GTANGO is a highly collaborative effort, with 17 partners representing telecom operators, manufacturers, system integrators, service providers, SME developers, research and academic institutes.

<https://www.5gtango.eu/>

5GTANGO OBJECTIVES



Reduce the time-to-market for networked services by shortening the service development cycle and by qualifying those network services to be adopted.



Reduce the entry barrier to 3rd party developers and support the creation and composition of Virtual Network Functions (VNFs) and application elements as "Network Services".



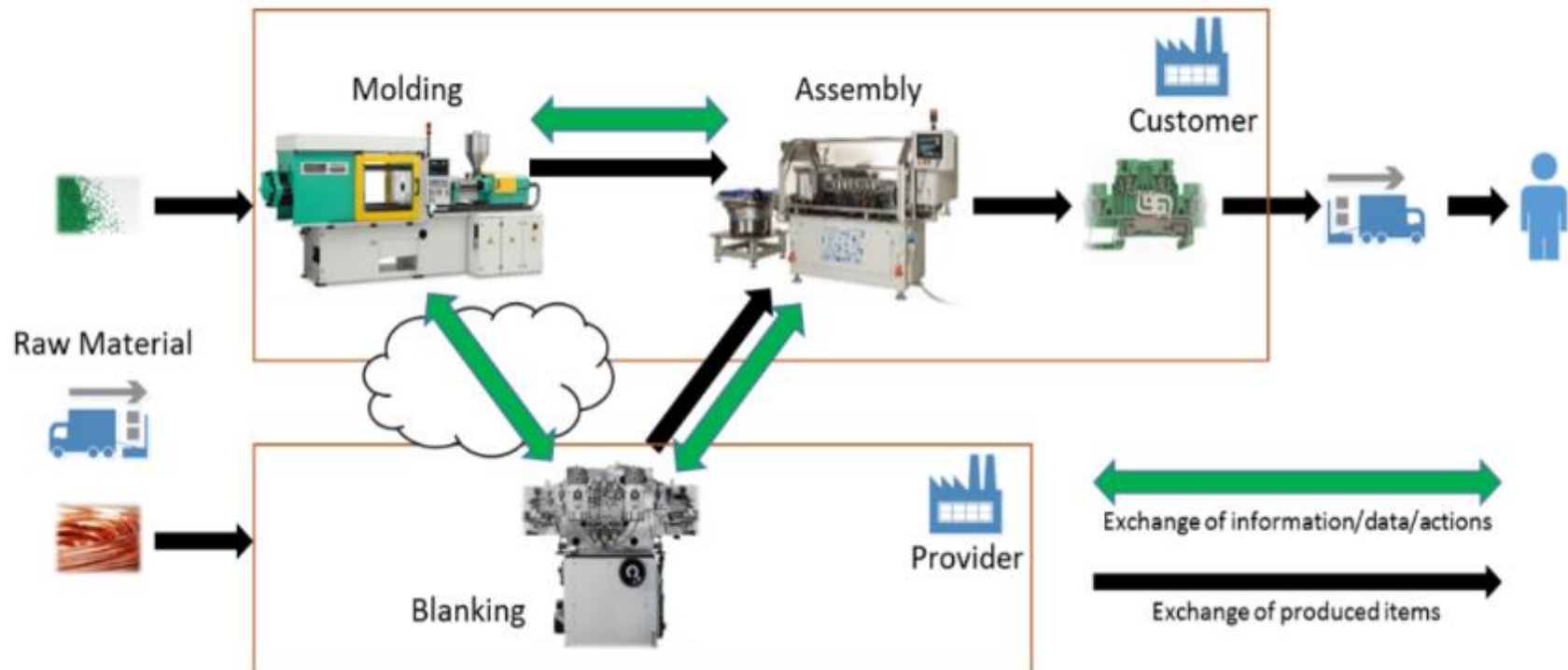
Enable new business opportunities with the customisation and adaptation of the network to vertical application's requirements.



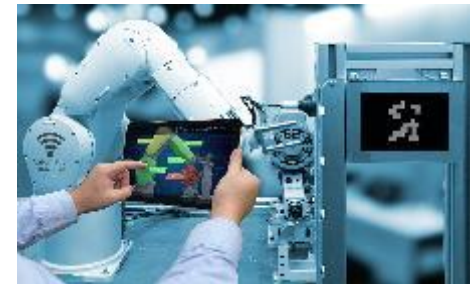
Accelerate the NFV uptake in industry via an 'extended' DevOps model and the validation at scale of Network Service capabilities of the 5GTANGO platform in vertical show cases.

Use Cases, Smart manufacturing in 5GTango

5GTango used Weidmüller production as a test bed. It targets software-defined networks (SDN) and network function virtualization (NFV). SDN and NFV are 5G concepts of the 5G core networks (communication infrastructure)

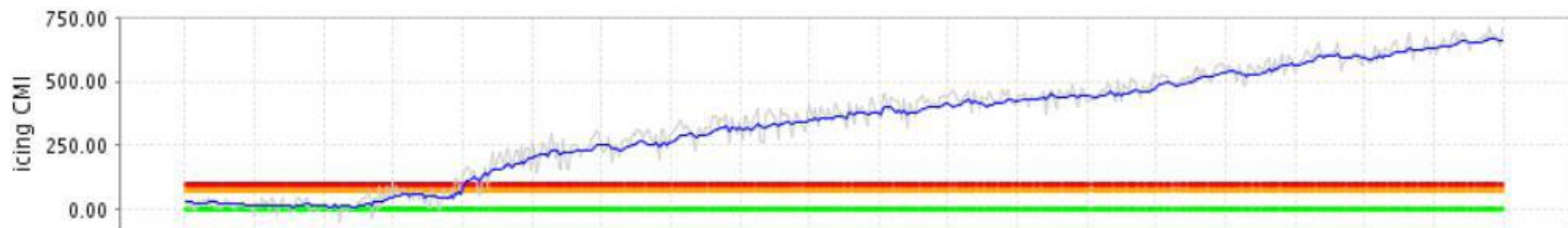


Use Cases, Industry 4.0 Wireless

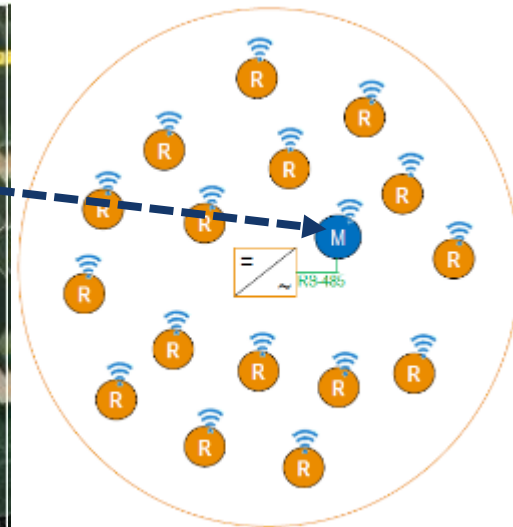


Use Cases, BLADEcontrol®, Rotor blade control & ice detection system for wind turbines using Wireless communication

Accurate ice detection, Early damage recognition, Fast reaction/ improved profitability
Automatic restart



Use Cases, PhotoVoltaic power generation, Wireless



Master



Slave



Slave



Slave

Industry 4.0 and 5G Vision in production



((5G))



Experience how the intelligent factory works in practice
Our fully networked Industry 4.0 cockpit
Let's connect.

