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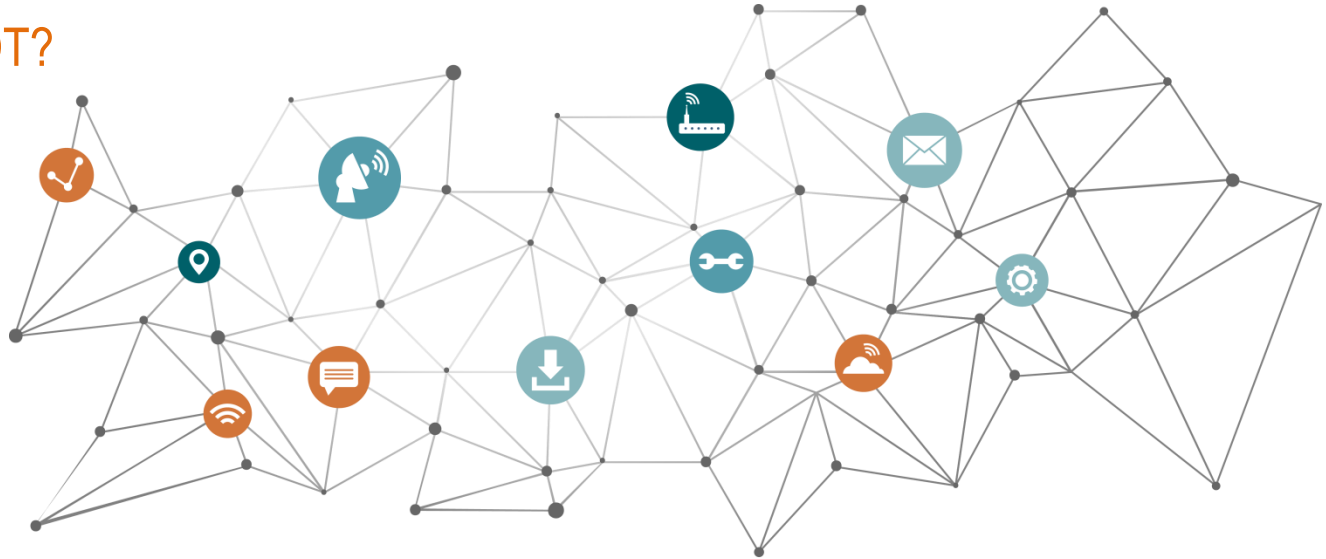
# Mühlbauer AUTOMATION

## Building blocks for IOT

# WHAT IS IOT?



*“The Internet of Things, or "IoT" for short, is about extending the power of the internet beyond computers and smartphones to a whole range of other things, processes and environments. Those "connected" things are used to gather information, send information back, or both. IoT allows businesses and people to be more connected to the world around them.”*

Calum McClelland

# Industrial Revolutions – 1800 till now

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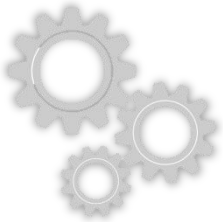
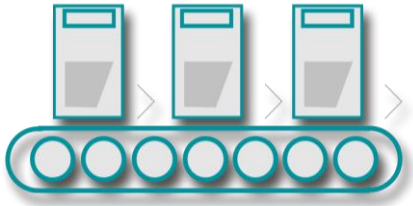


Mechanization



Electricity & Assembly Lines

Microelectronics & Computers

Digitalization & Connectivity

1800 **INDUSTRY 1.0**

Machines powered by Water & Steam

*Railway, Textile Mills*

1900 **INDUSTRY 2.0**

Acceleration of Working Processes

*Telecommunication*

1970 **INDUSTRY 3.0**

Automated Production

*Personal Computers, Mobile Communication, Internet*

2000 **INDUSTRY 4.0**

Internet of Things

*Everything becomes „Smart“*

# Travelling today

# IoT For Travel 4.0

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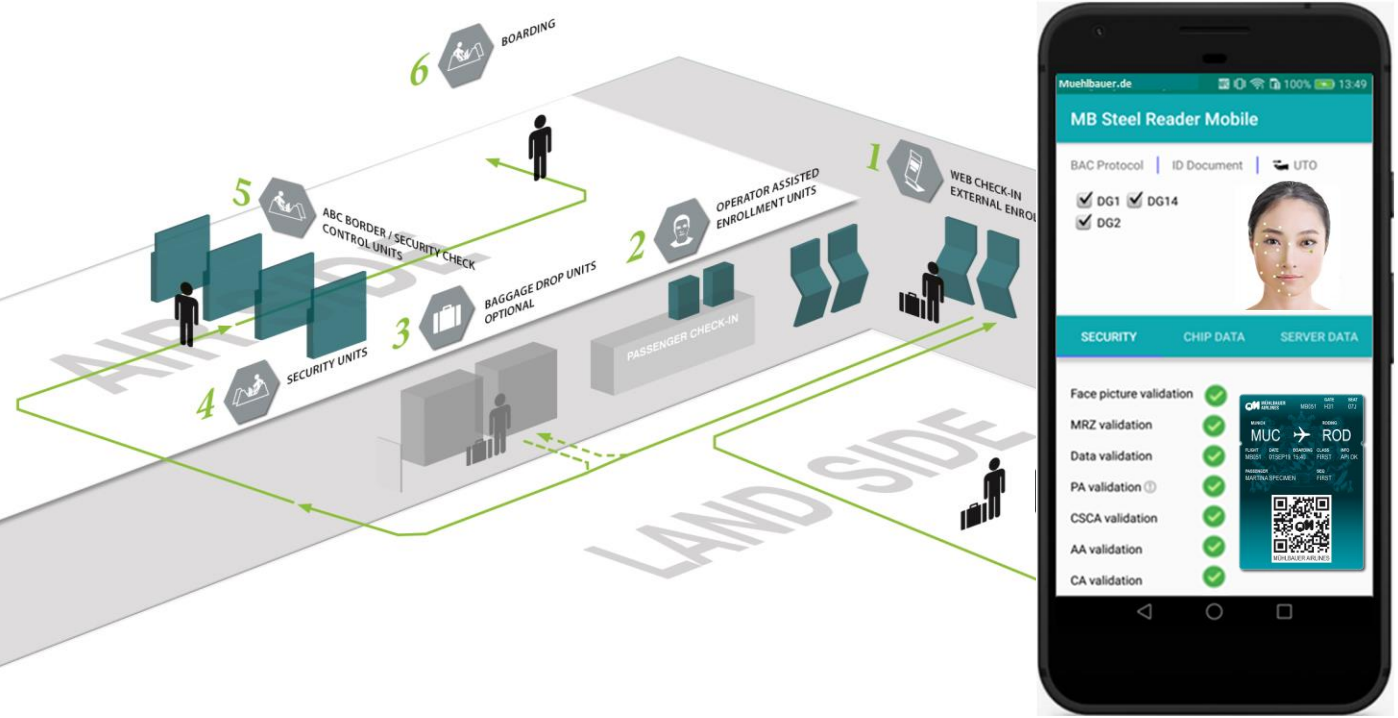

# Mühlbauer Drives IoT

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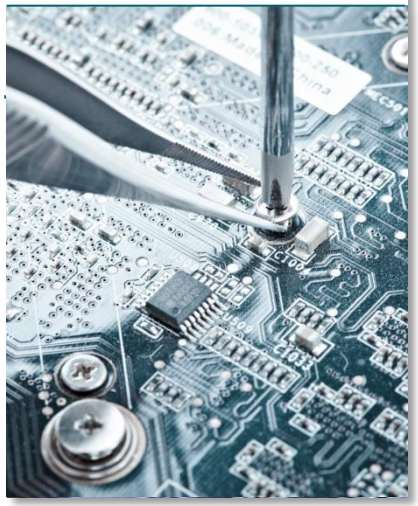
## PARTS & SYSTEMS

Precision Parts
for Aerospace, Automotive,
Semiconductor & Engineering

## AUTOMATION

Machines & Solutions
for SRP & DSRP



## TECURITY®

Solutions
for Governments

# INDUSTRY 4.0 – MB SMART FACTORY

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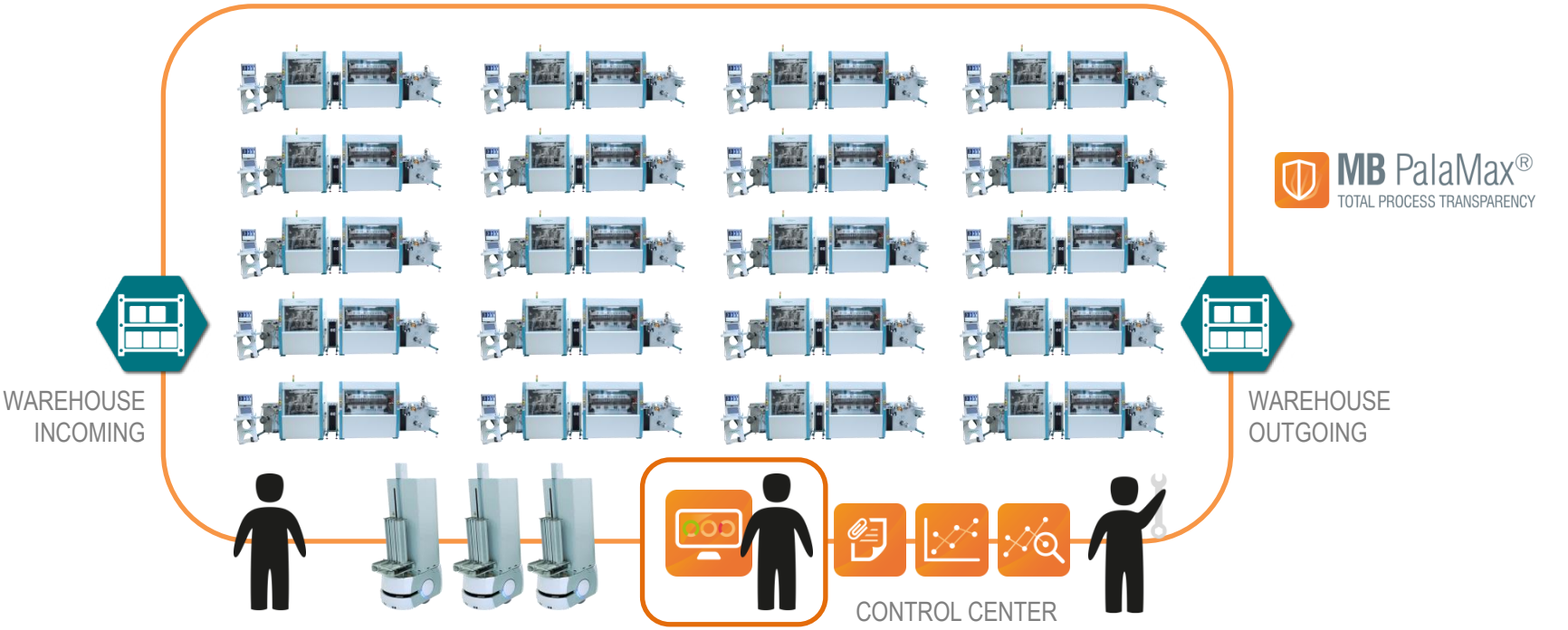

# INNOVATION PLATFORM FOR IOT APPLICATIONS

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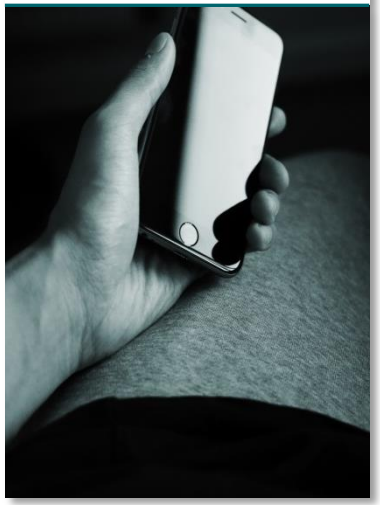
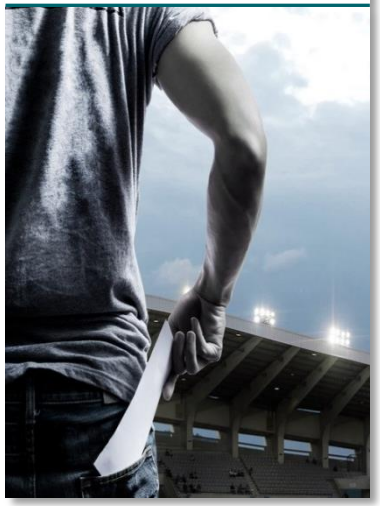
## SEMICONDUCTORS

Intelligence for
Security & Communication



## RFID

Smart Label Technology for
TECURITY® & IOT



## FLEXIBLE SOLAR

Efficient Solution for Clean
Energy Everywhere

## LED

Energy-Saving Light
for the Future

# Internet of Things
# Our solution is “Smart Electronics”

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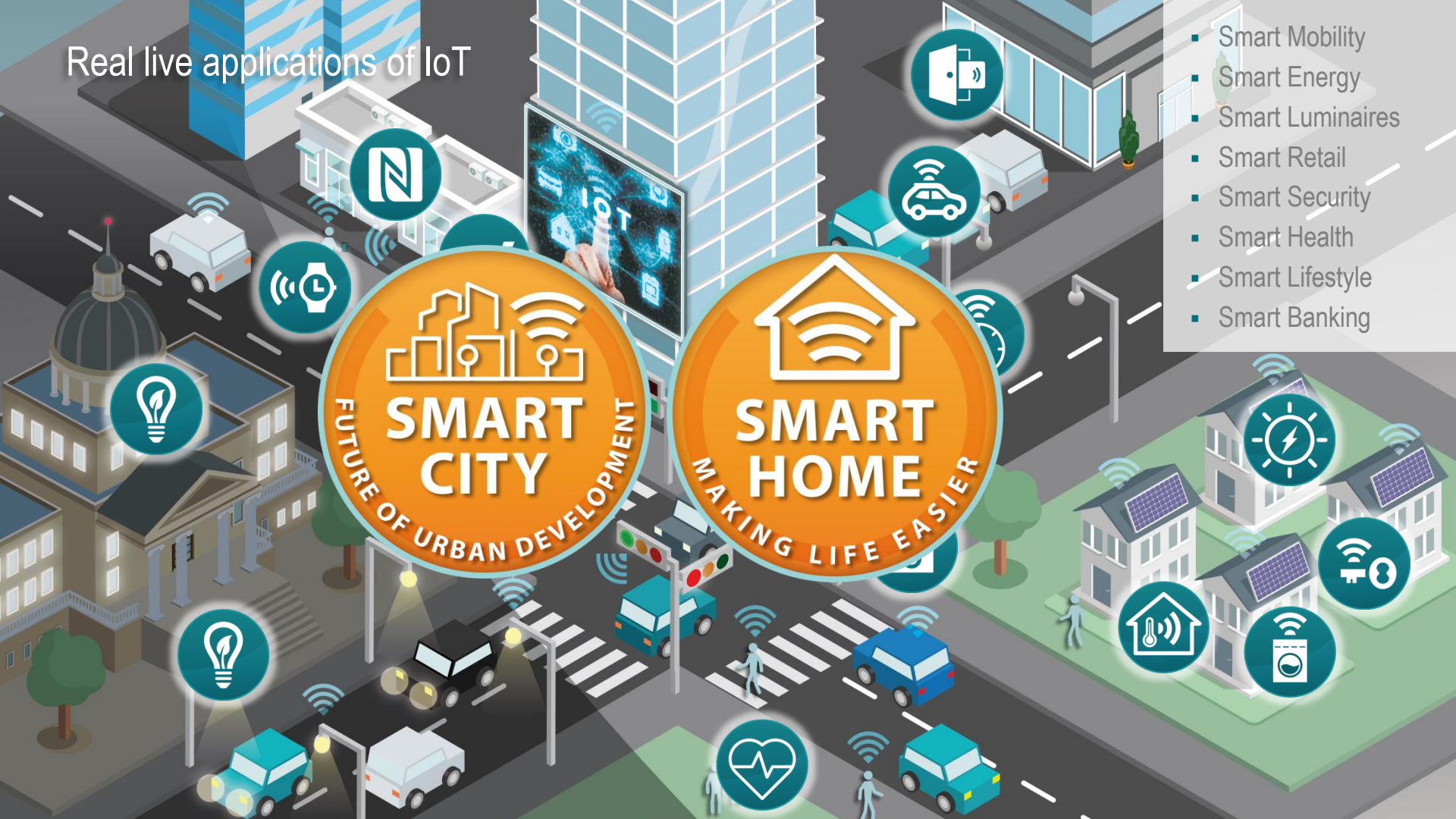
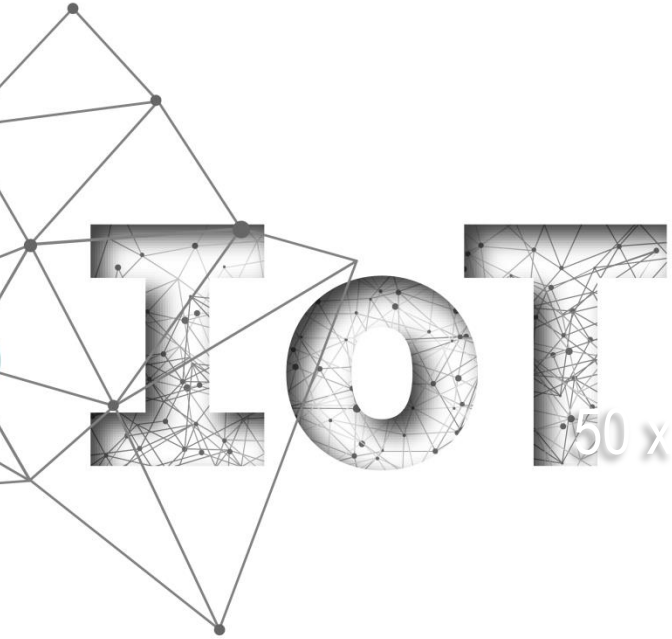
# Real live applications of IoT




- Smart Mobility
- Smart Energy
- Smart Luminaires
- Smart Retail
- Smart Security
- Smart Health
- Smart Lifestyle
- Smart Banking

# Building blocks for IoT




SEMICONDUCTORS

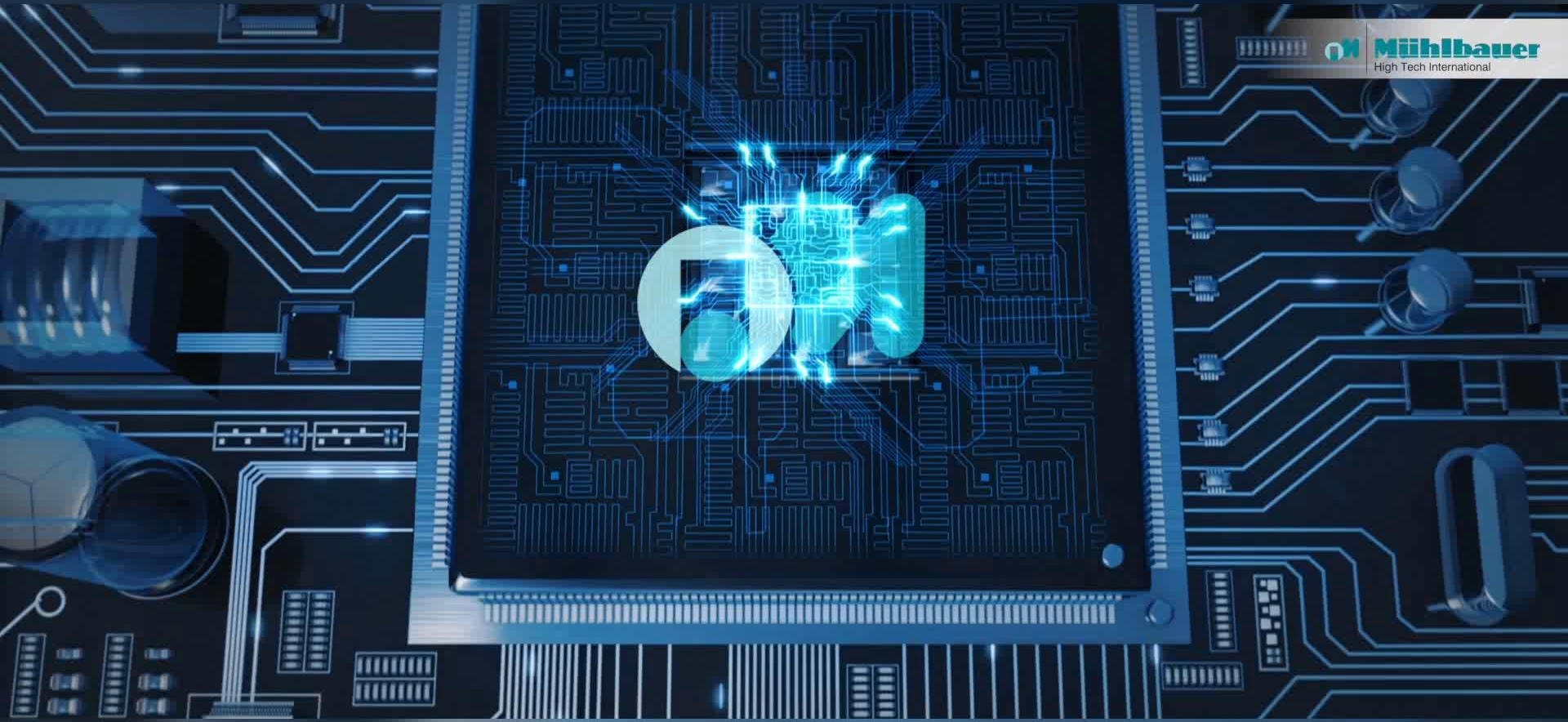
10 x HIGHER SPEED

RFID

50 x HIGHER PERFORMANCE

Smart Energy

> 12 INNOVATIVE PROJECTS INSTALLED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THANK YOU FOR YOUR ATTENTION!