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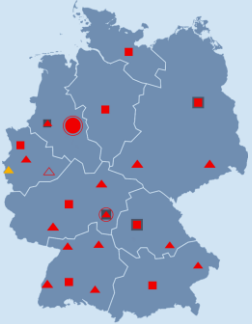
IoT and data analysis with PC-based Control

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Headquarters

4500



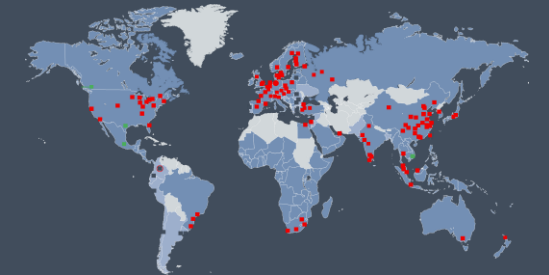
Employees worldwide

39



International subsidiaries

> 75



Subsidiaries and distributors

- Beckhoff subsidiary
- Beckhoff distributor



Beckhoff Automation Kft.
info@beckhoff.hu

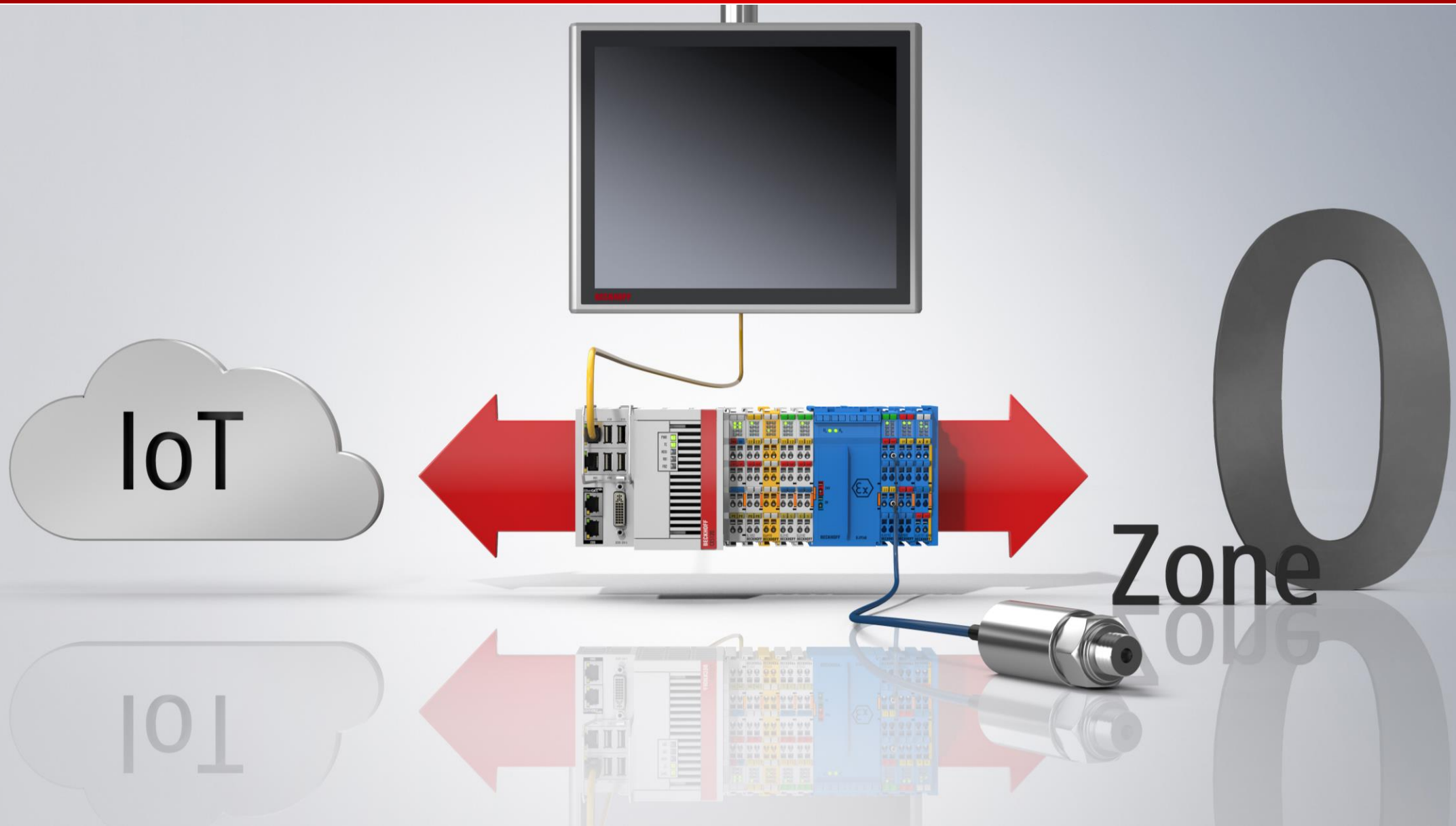
PC-based Control

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The control system for the process industry: PC-based Control

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1. Why IoT and Data Analytics
2. The route to the cloud
3. Simple data analytics
4. Analytics Dashboard



Big Data Analysis

Control room



MQTT
AMQP
OPC UA



MQTT
AMQP
OPC UA

Fuel station

CX2020



DVI/USB, CP-Link 4



MQTT
AMQP
OPC UA

MQTT
AMQP
OPC UA

Electrolyzer



DVI/USB,
CP-Link 4



EtherCAT Extended Distance

PROFINET

EK1101

EtherCAT fiber optic

EK1501

EtherCAT redundancy

EtherCAT Box



Pipeline

EX1100



Ex Ib

Ex Ia

Storage tank

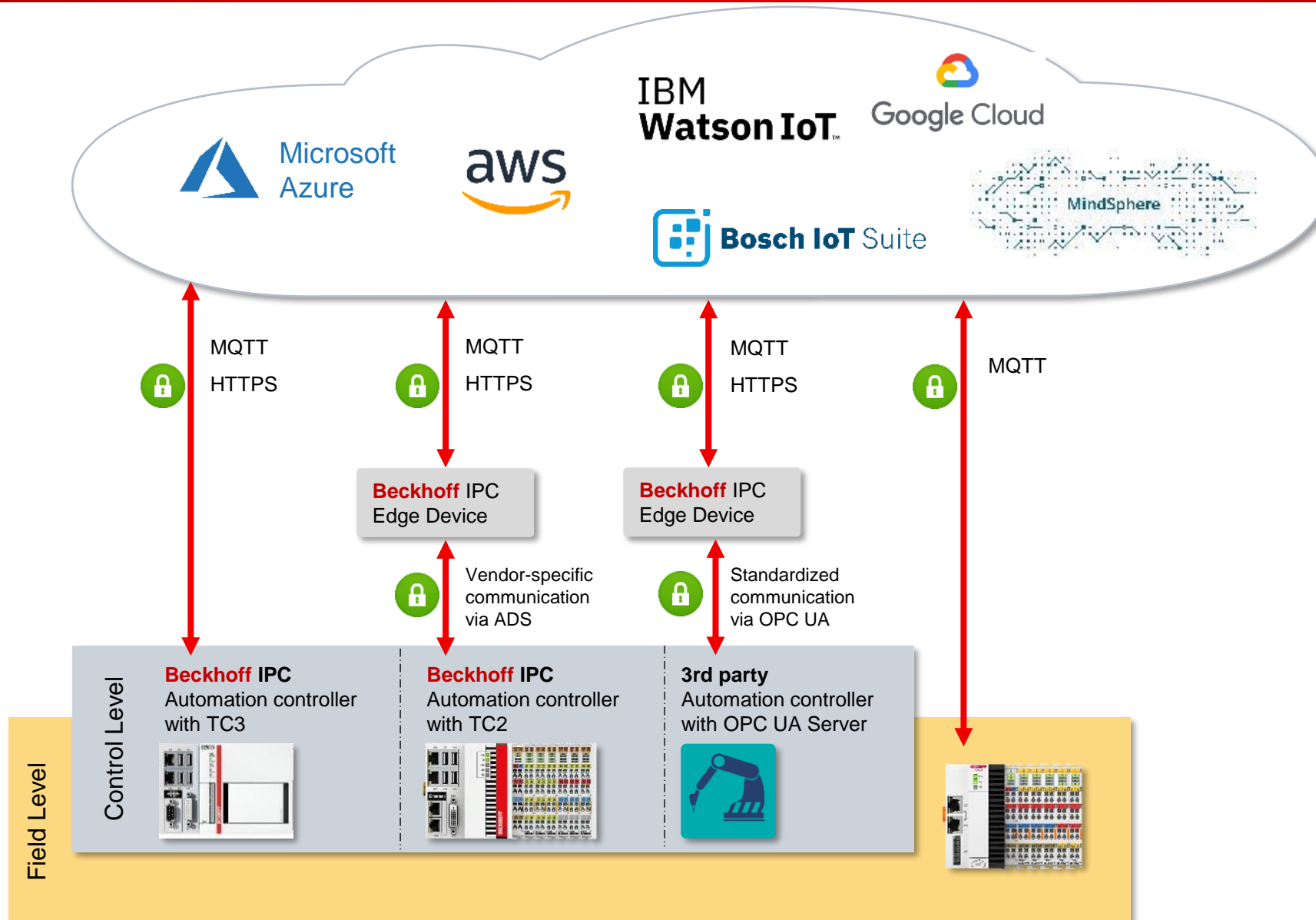
EK1501



Ex Ia

PC-based Control | The simple and secure route to the cloud

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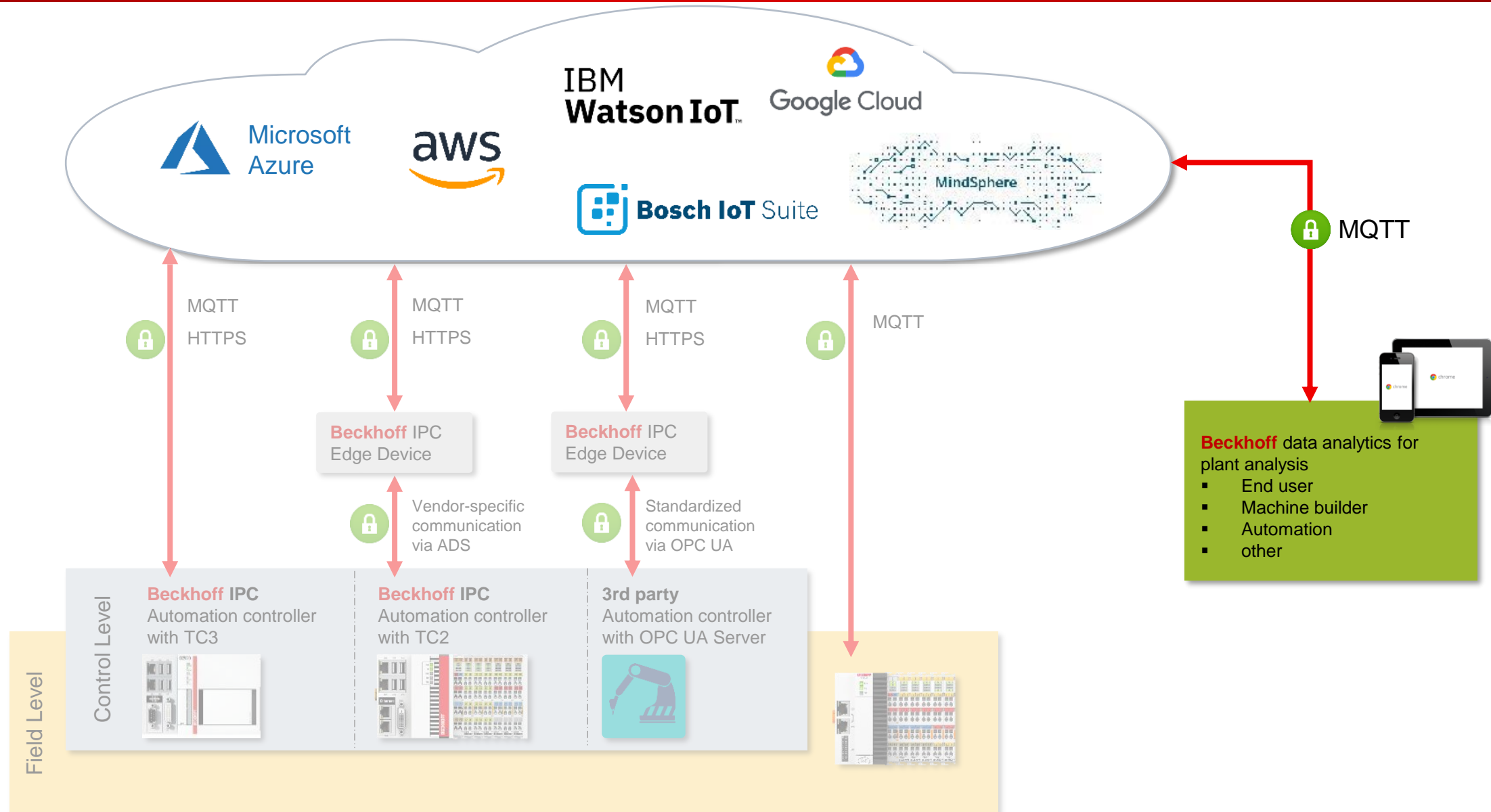


PC-based Control | IoT edge device

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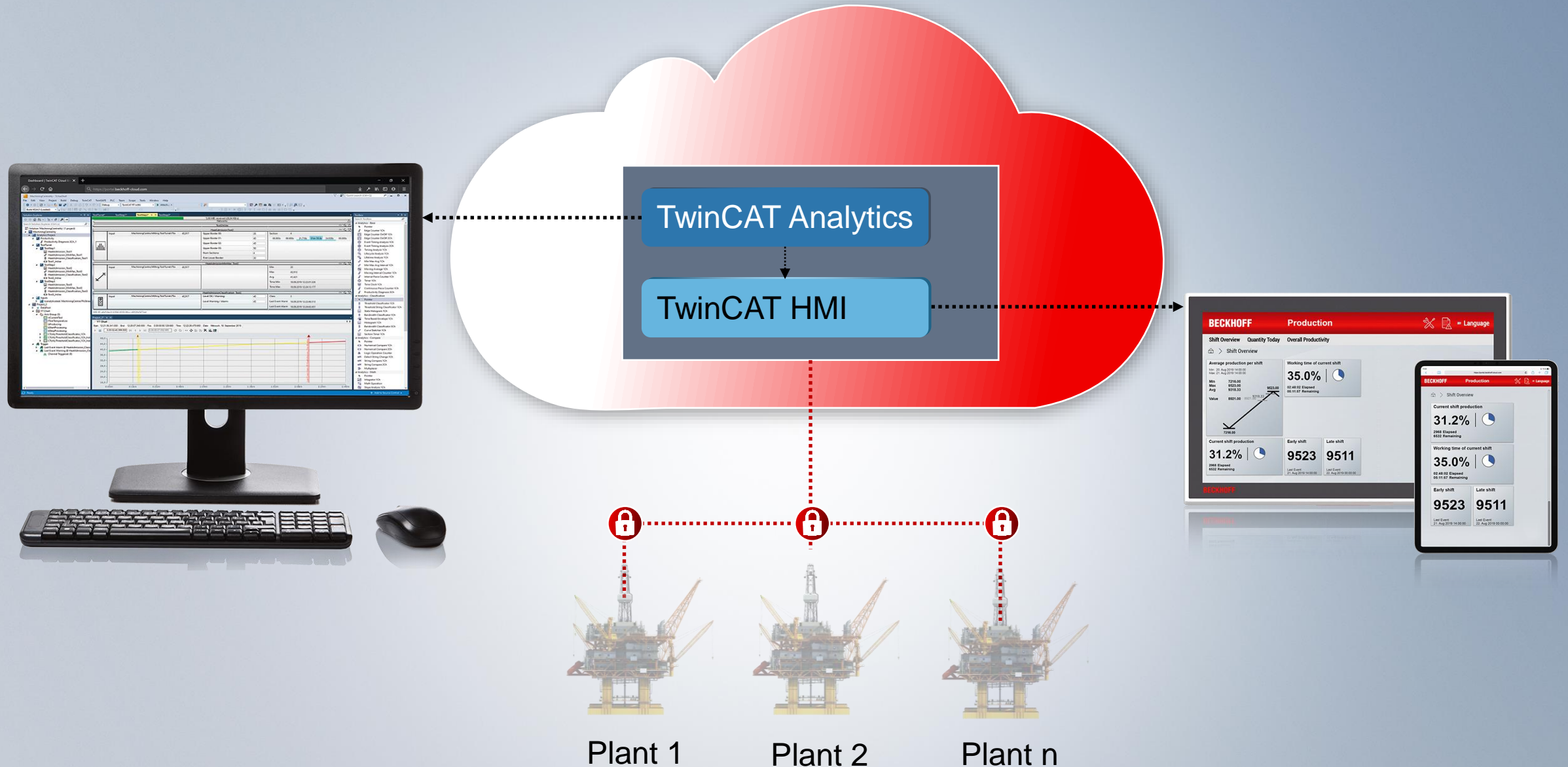
© Prast photo (Getty Images)

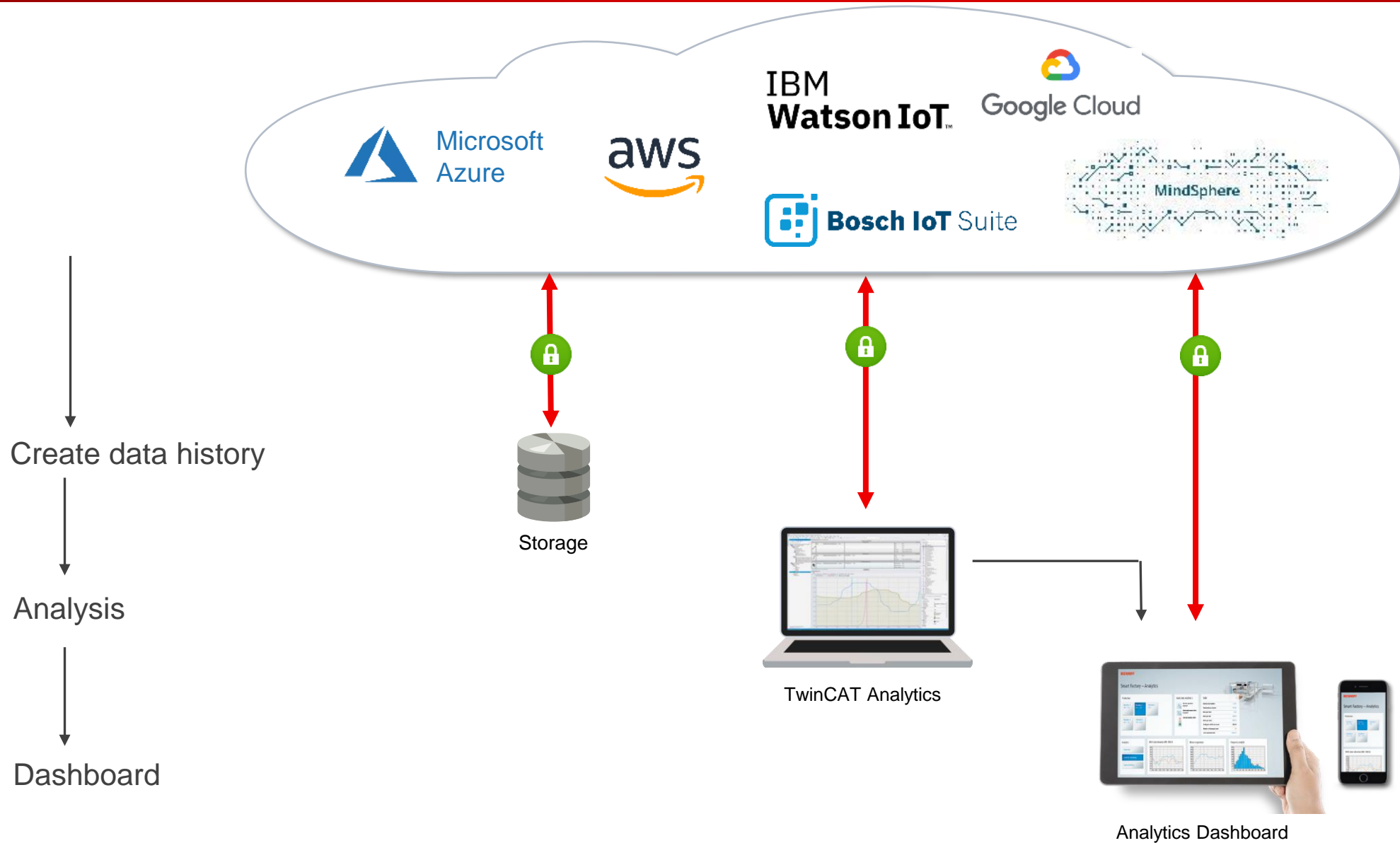




Cloud connectivity and IoT functions: PC-based Control

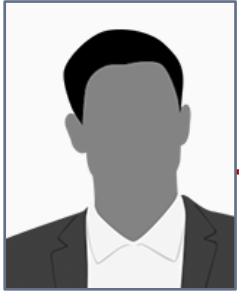
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service technician



plant builder



Plant controller 1



Plant controller 2



Plant controller 3





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Thank you very much
for your attention!

