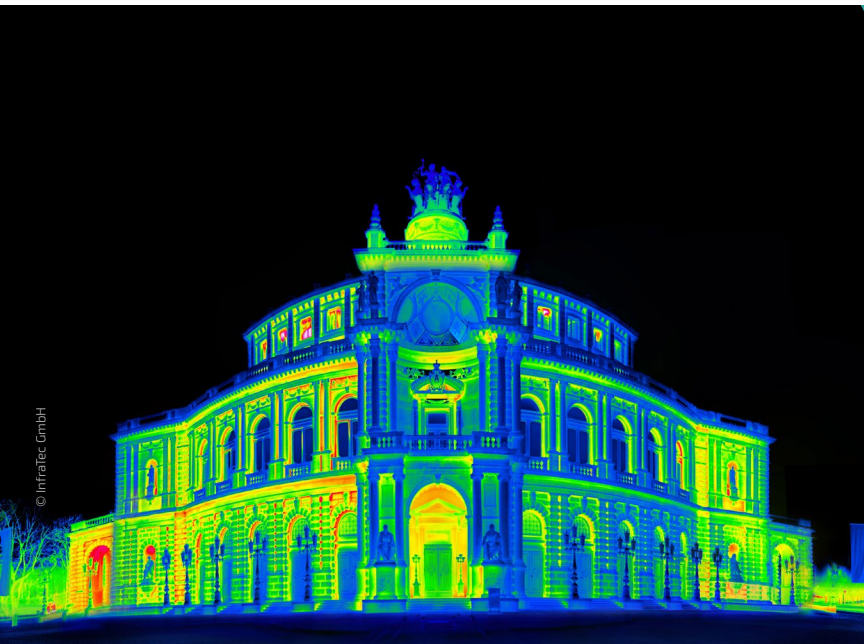# Integrating an Interface for a Coating System with FabEagle®Connect

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"The integration was quick and we were provided with immediate support. The tool could be used specifically for our requirements."

Jörg Weih,
IT project manager,
InfraTec GmbH

INFRATEC.

FabEagle®Connect

InfraTec GmbH Infrarotsensorik und Messtechnik
Dresden

Platform:
FabEagle®Connect

Project:
Machine connection with FabEagle®Connect

Kontron AIS services:
Interface configuration, test and training

Challenge

❯ Machinery with OPC UA server without standardized data structure

❯ Customer software without interface to machine control

Solution

❯ Specification of data exchange with machine manufacturer and operator

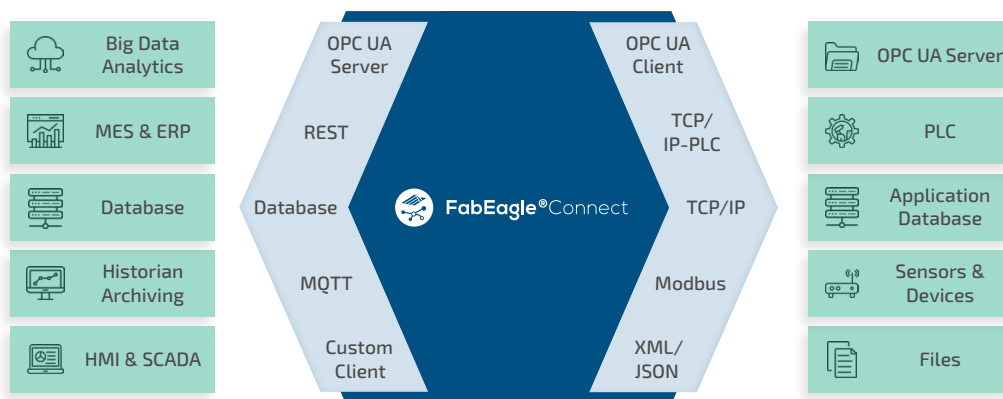❯ FabEagle®Connect as a converter from OPC UA to TCP/IP (XML)

Result

❯ Reliable, scalable and high-performance data transmission

❯ Data collection without operator intervention

As a developer and manufacturer of infrared sensors, InfraTec uses the latest manufacturing technologies and software tools from the area of digitalization to ensure continuous innovation and high quality. The production of infrared sensors requires highly precise, multi-stage processes that document data-supported process values and test results.

With FabEagle®Connect, Kontron AIS enabled interface integration and data conversion between a coating machine and customer software for data processing. The data are provided by the machine OPC UA server and are captured by FabEagle®Connect to be converted and transferred via TCP/IP in XML format to the customer software.

Despite the OPC UA standard for machine control, interface integration is usually not possible without specification of the data exchange between the machine and the customer software. In addition to the FabEagle®Connect integration solution, this also included the specification, clarification with the machine manufacturer, testing and commissioning of the solution to implement the integration project. The maintenance-free solution is managed by in-house IT and runs efficiently on a machine computer.

Big Data Analytics	OPC UA Server		OPC UA Client	OPC UA Server
MES & ERP	REST		TCP/IP-PLC	PLC
Database	Database	FabEagle®Connect	TCP/IP	Application Database
Historian Archiving	MQTT		Modbus	Sensors & Devices
HMI & SCADA	Custom Client		XML/JSON	Files

About InfraTec GmbH Infrarotsensorik und Messtechnik

InfraTec is a medium sized family owned enterprise with 230 employees at its headquarters in Dresden. In the infrared sensors division, pyroelectric infrared detectors (optoelectronic components) are developed in a cleanroom area of 1,600m^2 and produced largely automatically. The detectors are used in gas analysis, flame sensors and spectroscopy.

For more information please visit: **www.infratec.eu**

About Kontron AIS GmbH

We set the benchmark in industrial software – for more than 30 years and with an experienced team of over 200 employees. Our proven software products and customized digitalization solutions enable machine and equipment builders as well as factory operators to break new ground in automation and secure long-term competitive advantages. Together with our customers we implement worldwide cross-industry, intelligent digitalization strategies and solutions for the smart manufacturing of tomorrow.

As a subsidiary of the Kontron AG, we offer integrated, end-to-end IoT concepts consisting of hardware and software as well as worldwide project management, service, and support thanks to a global network.

For more information please visit: **www.kontron-ais.com**