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Note to editors: Link to high res photo and picture caption follow news release text.

TwinCAT IoT Now Supports MindSphere®

Beckhoff integrates data and communication services efficiently into the cloud with support for third-party IoT technologies

SAVAGE, Minnesota, December 8, 2020 – Beckhoff has offered diverse IoT communication capabilities with its TwinCAT IoT product family since 2015. Transmitting data to the cloud or between networked machines in this way creates enormous potential for increasing production efficiency. MindSphere®, the Industrial IoT as a service solution from Siemens, is now one of the latest solutions that can integrate with TwinCAT.

TwinCAT 3 automation software can communicate with HTTP(S) servers as an HTTP(S) client, for example for exchanging data via a REST API. Establishing a connection with MindSphere® is now also possible via this HTTPS communication for exchanging telemetry data. This connection is secured by TLS (Transport Layer Security) and uses MindSphere®-specific authentication mechanisms.

The sample implementations of the TwinCAT 3 Function TC3 IoT HTTPS/REST (TF6760) in the relevant documentation show how to establish connections with MindSphere®. These examples provide a simple introduction to connecting TwinCAT with MindSphere® and help users to adapt the program code to suit individual requirements.

TwinCAT IoT
TF6760 | TC3 IoT HTTPS/REST

Link to high res image:

https://download.beckhoff.com/download/press/2020/pictures/pr142020_Beckhoff.zip

Press picture:

Picture caption:

TwinCAT IoT supports numerous standardized protocols for cloud communication.

Beckhoff Automation is a provider of advanced and open automation solutions based upon proven technologies for customers to implement high performance control systems faster and at a lower overall cost than traditional PLC and motion control systems. Beckhoff's "New Automation Technology" product range includes PC-based control, Industrial PCs, automation controllers, operator interfaces, I/O, servo drives and motors. With representation in more than 60 countries, Beckhoff is well positioned to provide global sales and service to its customers. Beckhoff sales and service are handled directly, with no intermediaries involved for exceptional customer service and consultation.

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Send questions regarding "TwinCAT IoT supports MindSphere®" to:

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