

Cloud Solution for Industrial Applications

Turck Cloud Solutions uses preconfigured data evaluation for industrial tasks, data security and for simple handling in visualizations

Mülheim, April 10, 2018 – Turck is presenting its Turck Cloud Solutions service at the Hannover Messe. The data is transferred directly from Turck's controller and I/O components to the cloud. For this, Turck is using the Kolibri protocol recently purchased from Beck IPC, which guarantees encrypted communication to the cloud. Users can thus save and evaluate production data in the Turck cloud – either just for monitoring tasks or for optimizing their processes and plants. The benefit compared to other systems is the fact that the relevant data can be simply selected in the controller at the click of a mouse. The cloud user interface can then arrange this data directly in clusters and logically organize it in diagrams and charts without any additional configuration.

Customers can select whether to have their data hosted cost efficiently and centrally by Turck, or select an on-premises variant, in which the Turck Cloud Software is installed on the customer's own servers. The centrally hosted variant can also be registered by the user as a customer cloud. In this way, the cloud user interface can be adapted to the customer's branding and corporate design. This variant is particularly attractive for OEMs wishing to offer their customers a cloud service as an option with their machines and plants.

Turck is working on other functions and variants for its cloud solutions. For example, industrial servers for mounting in the control cabinet (IP20) and in the field (IP67) are also planned. The Mülheim specialists intend to make their cloud software even more valuable through self-learning algorithms. This will make the machine able to recognize problems early on (predictive maintenance), suggest the solution to the problem and, if necessary, solve the problem automatically using precise information from the relevant service technician.

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The new Turck Cloud Solutions offering is particularly suitable for the requirements of automation technology

PRESS CONTACT

Klaus Albers
Director Marketing Services & Public Relations
Phone: +49 208 4952-149
Mail: klaus.albers@turck.com
Web: www.turck.com/press

CONTACT

Hans Turck GmbH & Co. KG
Witzlebenstraße 7
45472 Mülheim an der Ruhr, Germany
Mail: more@turck.com
Web: www.turck.com

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