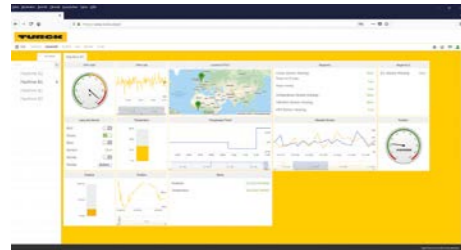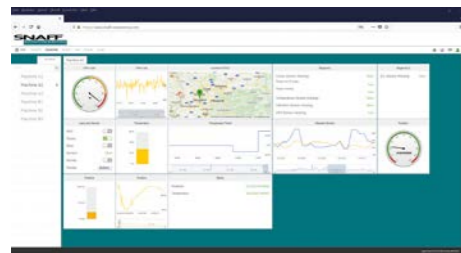# TURCK

Worldwide, Secure Access to your Machine and System Data

TURCK

Smart Data, clearly prepared for you

The dashboard of the Turck cloud portal shows current machine data and statuses at a glance; the user interface is also customizable

- Scalable solutions hosted or on-premise
- Encrypted data transmission
- Fast and easy integration
- Relevant data are accessible at any time worldwide

Turck Cloud Solutions
Cloud Solutions for Industrial Applications

Turck Cloud Solutions is safe!

Data transmission between producers and consumers to the cloud is encrypted, as well as the databases themselves.
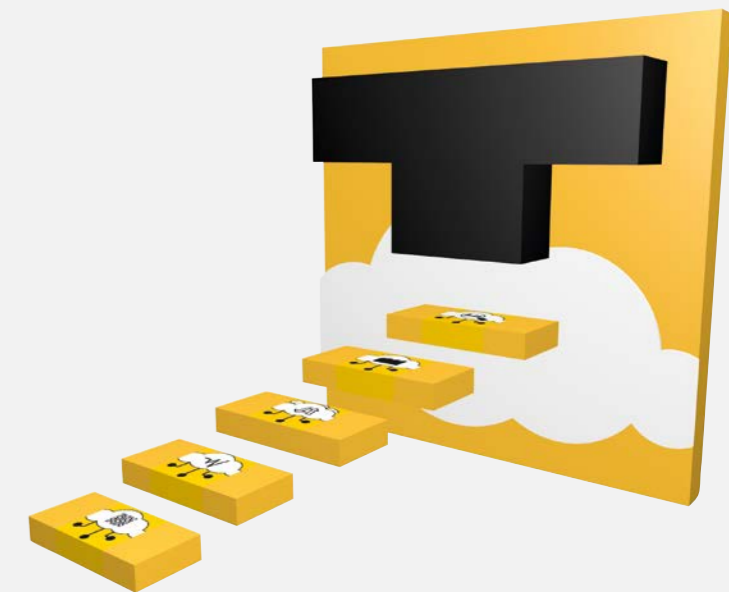
Ordering information

Ident-No.	Type code	Description
100002548	TCS-Portal-Project-Registration-01	Setting up a project in the Turck Cloud Portal
100002549	TCS-Portal-Device-Registration-01	Registering a Device in the Turck Cloud Portal
100002550	TCS-Portal-Device-Dataflat-Month-01	Monthly data flatrate per device in the Turck Cloud Portal
100002551	TCS-Portal-Customization-01	Customization of the Turck Cloud Portal

Over 30 subsidiaries and
60 representations worldwide!

www.turck.com

Turck Cloud Solutions – Cloud Solutions for Industrial Applications

Cloud services for private and business users are widely available today, but the special requirements of industrial customers in automation technology are hardly covered by these services so far: With Turck Cloud Solutions, a cloud solution is now available that is precisely tailored to industrial requirements and can be hosted locally or externally. The encrypted communication maximizes data security and additional functions such as data analysis or monitoring of production processes directly provide real benefit for you as a user.

User data with added value

Turck Cloud Solutions provides pure user data on different channels. These can be analyzed independently of the automation task and form a "digital shadow".

What's the use?
- Continuous data analysis
- Creating a digital shadow
- Traceability

Your added value!
- Efficient plant/system monitoring
- Fast error diagnosis
- Identifying optimization fields

Additional data for preprocessing

Turck Cloud Solutions generates additional data in sensors and fieldbus modules. These are preprocessed in the fieldbus modules using the "Field Logic Controller" (FLC) functionality and the web-based programming environment ARGEE.

What's the use?
- Wear and aging forecasts
- Plagiarism protection and ordering of spare parts
- Machine performance indicators
- No additional load on the control system

Your added value!
- Higher system availability
- Fast remote diagnostics
- Predictive maintenance

Integration into established clouds

Turck Cloud Solutions and Turck products integrate not only in control architectures and network topologies, but also in cloud solutions from other manufacturers.

What's the use?
- Future-proof products
- Security through standard protocols
- Cloud connections possible at any time

Your added value!
- Flexible integration of the machines at the end customer
- Openness to standards
- Long-term investment protection

Customized and local cloud applications

Turck Cloud Solutions offers customized features for your specific automation applications and local on-premise solutions (Private Cloud).

What's the use?
- Scalable entry-level solution with full potential
- Hardware, cloud and service/support from a single source
- All data available worldwide
- Can also be used with mobile devices

Your added value!
- Easy entry into Industry 4.0
- Fast diagnoses
- Increased machine availability
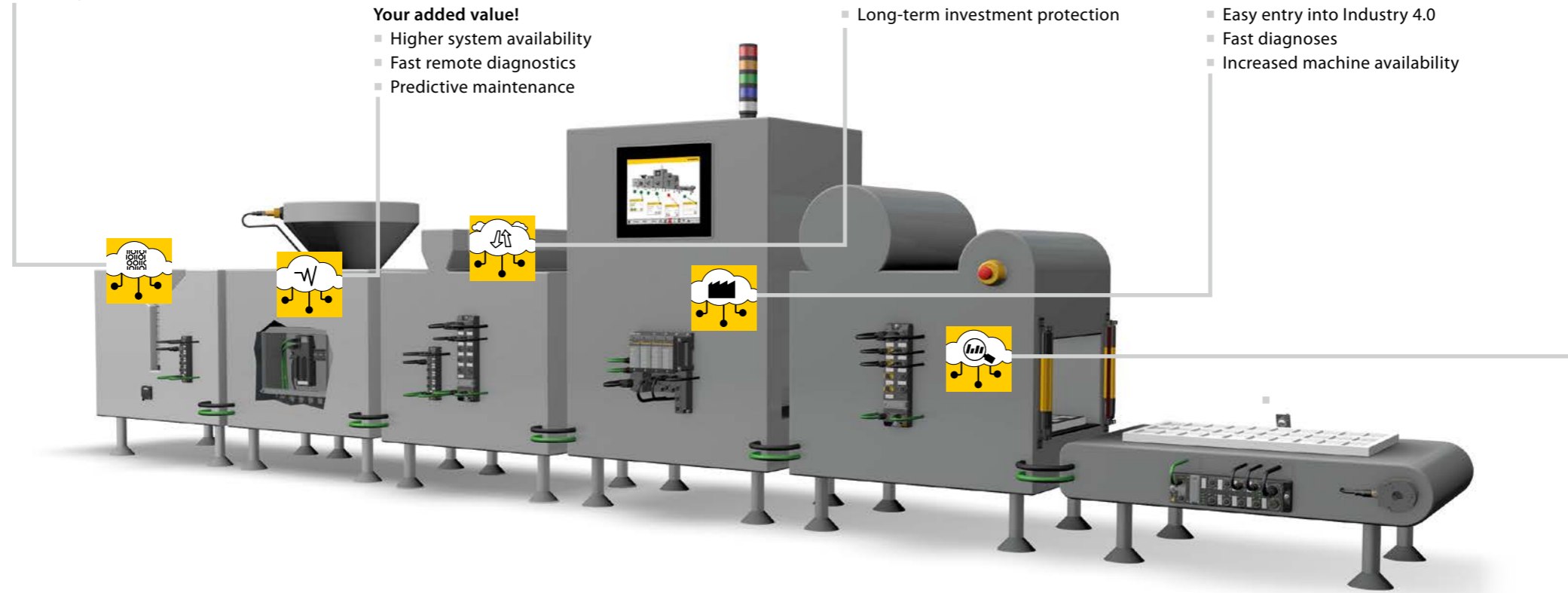
Turnkey applications in the cloud

Turck Cloud Solutions is expandable. Process engineering functions, industry-specific models, recurring structural information, service and maintenance functions as well as billing procedures to third-party providers are possible.

What's the use?
- Functions ready for immediate use for further expansion
- Customer-specific additions by the user
- Industry-specific solutions for process automation

Your added value!
- Fast entry into customizable cloud solutions
- Tested functionalities
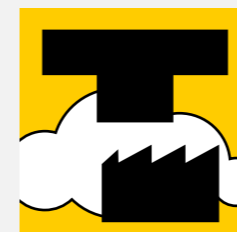- Added value through specific functions

---

Hosted by Turck
The cloud hosted for you by Turck enables you to get started quickly without high expenditure of time and money. If you use the Turck infrastructure "as a Service" (IaaS), you do not need your own data center and do not have to take care of maintenance and support yourself.
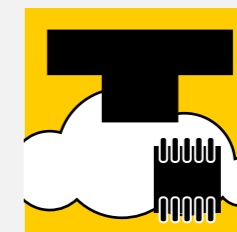
Individually customized
Take advantage of the cloud hosted by Turck without sacrificing your individual customizations. The Turck Cloud Portal can be flexibly adapted to your needs, so you can adapt it to your own CD (Corporate Design), for example, and pass it on to your customers.

Hosted at your location
Turck Cloud Solutions offers you the possibility to host your cloud locally in your own data center. You can decide where to store your data and always have it under control on your own servers. No external communication is required

Cloud server on your machine
Turck Cloud Solutions offers you on-premise cloud servers - both in IP20 for installation in the control cabinet and in IP67 for installation in the field, directly on the machine, allowing you to take full advantage of an on-premises installation without having to provide your own data center.