

HOOC DataCollect



DataCollect



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When it comes to monitoring your data, you only want the best visualization?
We too. That's why with HOOC DataCollect:

A PICTURE IS WORTH A 1000 WORDS.

But the monitoring is just the tip of the ice cake; the proof of the pudding lies in the reporting. Because our HOOC DataCollect is far more than a simple monitoring software for data display.

It not only allows collecting and comparing various values in graphically appealing dashboards, but also includes the export, forwarding and processing of relevant data. This makes HOOC DataCollect an interesting tool for operators and engineers, as well as for marketing and finance managers. In short, anyone who needs to check values, analyze and compare figures.



DID YOU KNOW?

... that HOOC DataCollect also makes long-term storage possible?

... that with HOOC DataCollect you can not only compare actual values with setpoints, but also with median and mean values?

... that our systems are based on the same tested and certified security standards as the Swiss banks?

... that we are one of the technology and price leaders in the field of Connect(ivity), Control and Collab(oration)?



WHAT'S IN FOR YOU

HOOC DataCollect offers you ...

- an automatic display and overview of your data
- a versatile and compact display of data trends
- a sophisticated comparison of your values from different plants and locations
- a clear data display of the previous day, month and year
- an automatic dispatch of reports via e-mail



A THING OF THE PAST

No more ...


- tedious aggregation of measured values
- complicated gathering of measured data (taking pictures, writing it down, etc.)
- missing figures of certain plants and locations
- resource-intensive creation of overviews and spreadsheets
- laborious analysis of raw data



A MUST HAVE

HOOC DataCollect is ideal for ...

- Plant and system monitoring
- Facility management and technical services
- All kind of optimization processes



Let's get down to the nitty-gritty of the ...

TECHNOLOGY BEHIND HOOC DATACOLLECT



INTERFACES

- Interfaces to Modbus TCP/IP (e.g. Wago, Saia, Beckhoff, Siemens Logo!8/S7)
- Interface to Grafana
- Interface to KNX
- Interfaces to HOOC LoRaWAN sensors
- API interfaces
- Connection to external systems



SAFETY AND SECURITY

- VPN connection over HOOC Cloud
- No port forwarding
- State-of-the-art encryption
- Additional security features such as two-factor authentication



MONITORING

- Visualization of field level data
- Data acquisition of actual values
- Calculation of mean, median, minimum and maximum values
- Comparison of actual and target values
- Overview in Grafana dashboards



SMART USER MANAGEMENT

- Authentication, verification and management of users and connections
- History log



ANALYSIS

- Generating analysis data
- Creating tables and overviews



REPORTING

- Data export into CVS, JSON and Excel files
- Automatic report delivery via mail
- Selection of time intervals for the report delivery (daily, weekly, monthly, yearly)
- Aggregation of data sets (mean value, difference to last value)



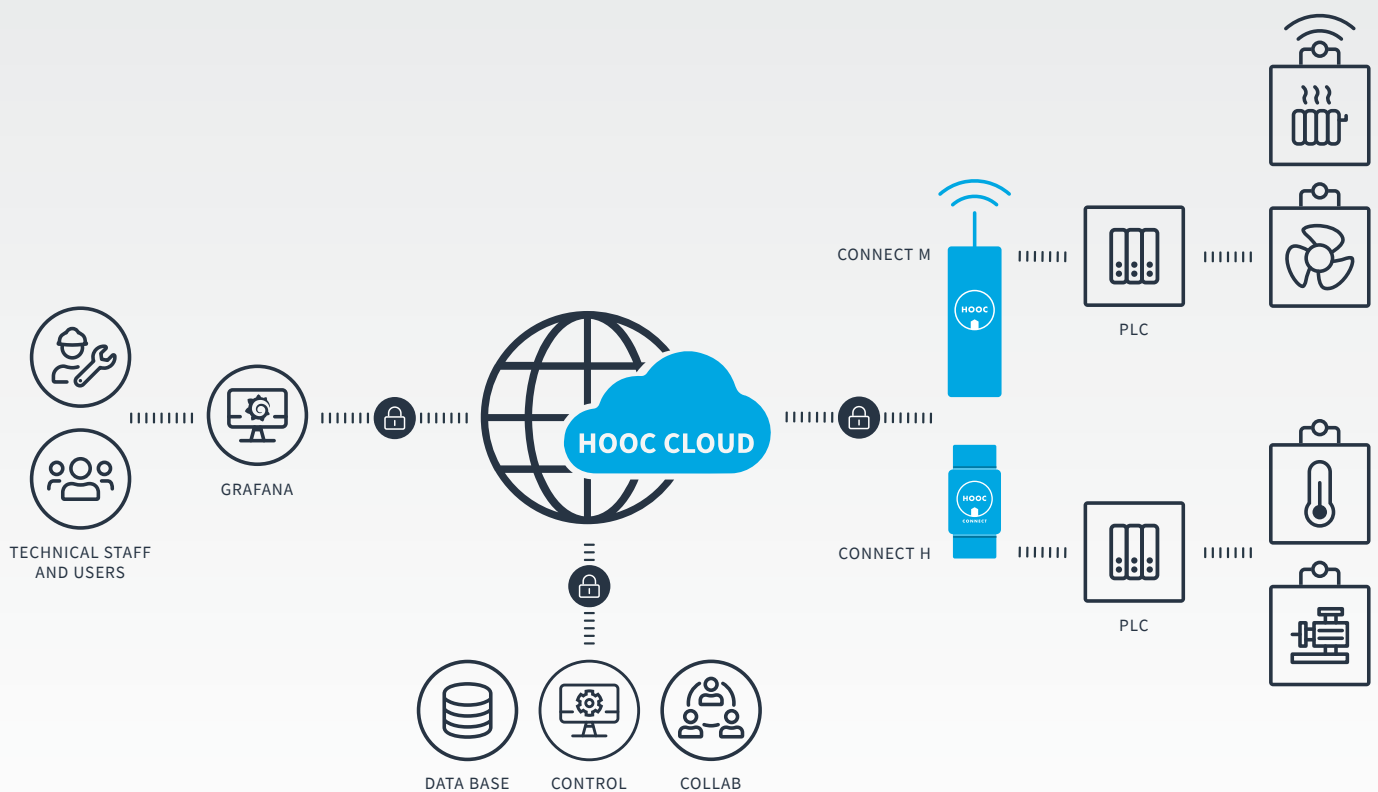
DATA STORAGE AND DATA MEMORY

- Data storage (up to 24 months)
- Storage of sent reports



THE HOOC DATACOLLECT MECHANISM

Data collection, display and dispatch (from left to right): The data will be displayed by the open source platform Grafana, for which the HOOC DataCollect provides an interface and which is directly connected to the HOOC Cloud. Here the different values of one's installation park (heating, ventilation, air conditioning, etc.) are centralized (via the HOOC gateways) and if required, will be stored for up to two years. Besides the monitoring and storage of data, HOOC DataCollect also allows the exporting and reporting of data and values via mail.



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