



POWERSCOUT®

Recognising connections –
optimising maintenance

POWERSCOUT®

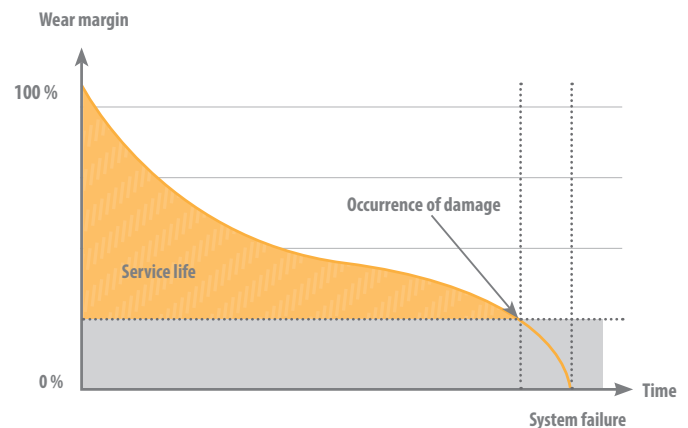
Analyse – predict –
maintain – report



Moisture, deterioration, dirt, mechanical damage or faults caused by the impact of current, voltage and temperature impair every electrical installation.

The web-based software solution POWERSCOUT® helps you detect malfunctions at an early stage and eliminate the causes in an economically reasonable way. This guarantees high installation and operational safety and reduces costs.

Manual data acquisition is time consuming, error prone and only provides random sampling results. POWERSCOUT® gives you an insight into the entire data of your installation at any time, since all measured values are automatically and continuously saved. POWERSCOUT® combines the data of your measuring and monitoring equipment and generates easily comprehensible visualisations of all important measured values.





Predictive maintenance prevents downtimes, reduces costs and staff deployment. POWERSCOUT® informs you about the condition of your electrical installation at all times.

POWERSCOUT® is your tool: It can be precisely adjusted to your system and your monitoring requirements during setup. Easy, clear and fast. Open the browser, log in, select the required measuring devices and measured quantities, done.

Analyse

- Recognising connections and optimising maintenance
- Cross-system evaluation possibilities
- Access from any place
- Energy data acquisition
- Supporting investment decisions

Predictive maintenance

- Higher availability
- Continuous monitoring
- Early detection of fault currents
- Less costs incurred due to unexpected malfunctions and shutdowns
- Early detection of gradually developing insulation faults

Report

- Historical comparisons
- Safe storage of measured values
- Event and alarm statistics

Analyse –

Recognising connections,
optimising processes



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Analyse – as individual as your system – as simple as possible

Meaningful visualisation can be generated for each of your installation types in an easy and fast way with flexible and scalable dashboards for each display device: smartphone, laptop, computer.

POWERSCOUT® is a tool designed for storage and analysis of data from Bender measuring devices as well as measuring devices from other manufacturers. Reports across locations allow the comparison of several buildings or company headquarters.

Weather conditions or faulty equipment may cause malfunctions in your installation. POWERSCOUT® puts you on the right track.

Predictive
maintenance
made easy





Information advantage saves money and resources

In the field of automation of electrical installations, using modern communication technologies has become indispensable in order to enhance transparency of the power supply by means of operating, warning and fault messages.

Information about location and cause at an early stage allows time-, cost- and staff-optimised service visits. Possible system downtime or destruction of expensive equipment is avoided. In the context of these modern network technologies that become faster and faster, central database solutions are an established technical standard.

Continuous monitoring instead of random tests

POWERSCOUT® continuously collects measurements and generates user-specific reports. This well-founded database allows real trend curves to be represented and the causes of malfunctions to be found.

Report –

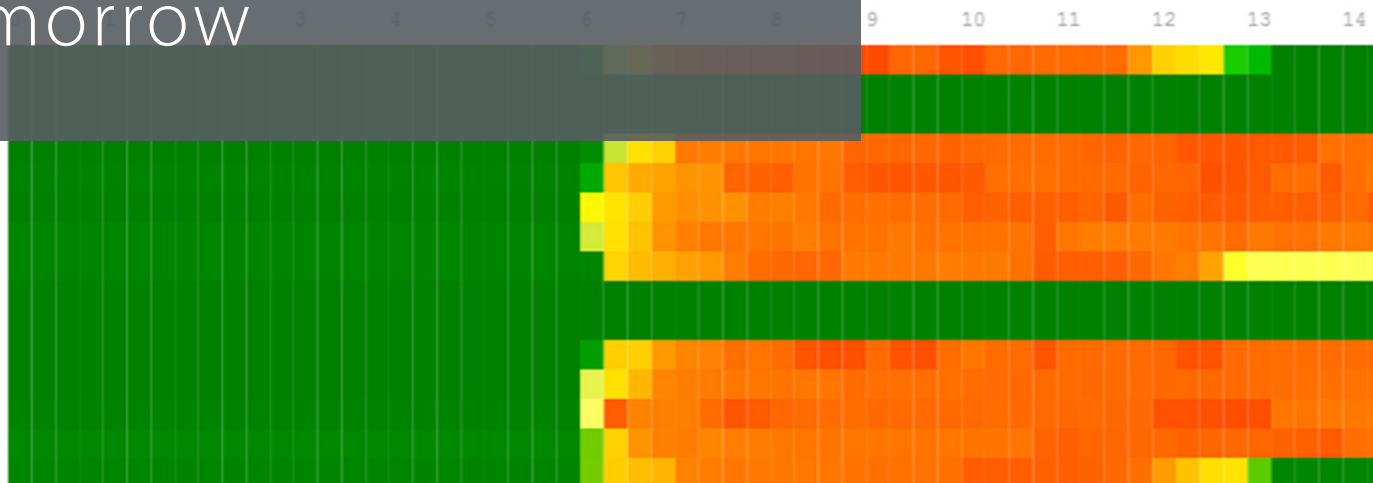
Keeping an eye on your installation

yesterday – today – tomorrow

Heatmap - Produktion

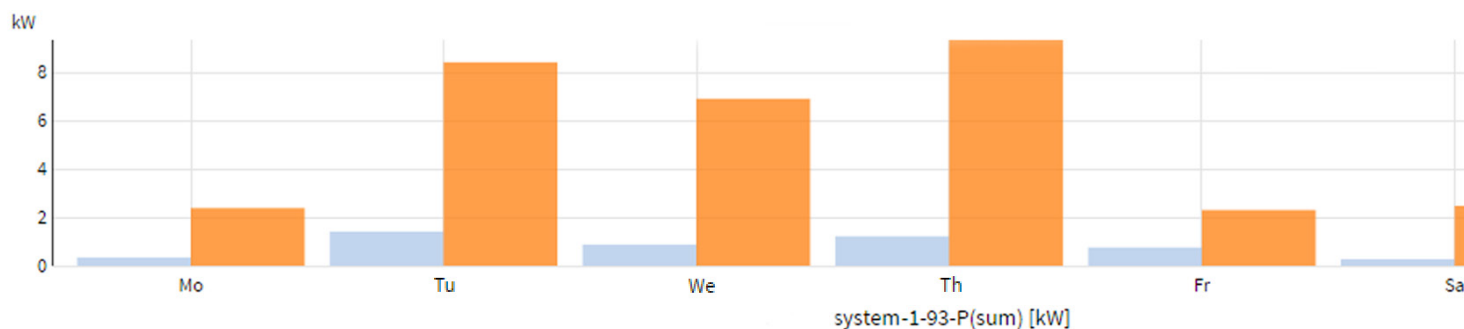
Min: 0,392 kW

7/1/2016
7/2/2016
7/3/2016
7/4/2016
7/5/2016
7/6/2016
7/7/2016
7/8/2016
7/9/2016
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7/11/2016
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7/13/2016
7/14/2016
7/15/2016

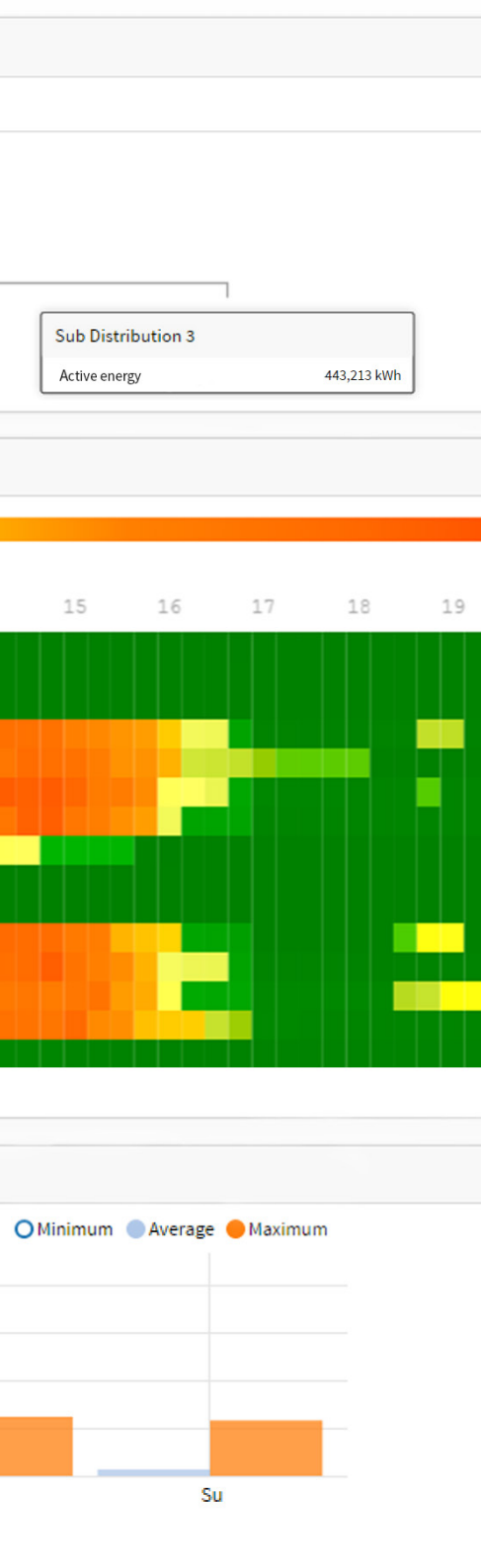


system-1-122-P(sum) [kW] [Min.]

Measurement statistics sub distribution 2



system-1-93-P(sum) [kW]



Full data logger?

Installation monitoring generates a great deal of data. POWERSCOUT® allows storing data reliably and keeping it available for years.

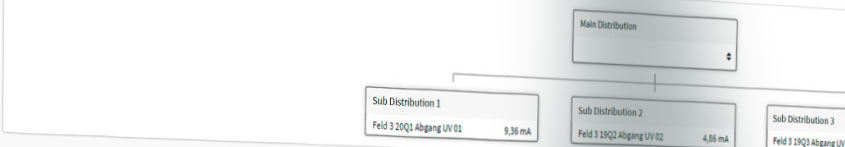
The priorities at a glance – automatically, customised

POWERSCOUT® sends you graphically processed reports at specified intervals. It only takes into account relevant data. Thereby, the condition of your installation becomes evident at a glance. These reports are saved in POWERSCOUT®.

Basis for periodic verification

The automated report on residual currents forms the basis for measuring without switch-off by means of periodic verification.

Safe operation of all electrical installations and equipment is only possible if proper condition can be permanently ensured. The IEC 60364-6 determines test intervals and types. The requirement of continuous monitoring of stationary electrical installations and equipment can be complied with if measures for continuous measurement of the insulation resistance or the residual current have been taken. POWERSCOUT® generates and saves the test protocols of the residual currents.



The POWERSCOUT® commissioning wizard assists you in the process of generating an installation report. Residual currents, neutral conductor monitoring or stray currents: generate your visualisations with just a small amount of data. Here you can also specify at which intervals you would like to receive automated reports.



Is the residual current too high?

Based on your indications, the POWERSCOUT® wizard "Residual current" calculates the ratio of residual current and load current and generates an easily comprehensible visualisation. Critical residual currents are clearly evidenced on the dashboard.



Fire protection by means of neutral conductor monitoring

Define neutral conductor currents and load currents in the POWERSCOUT® wizard "Neutral conductors" using drag and drop. Nothing else is necessary to visualise this monitoring task. Critical installation conditions can be detected at a glance. Thereby, you reduce the fire hazard and prevent system failures.



POWERSCOUT®

easy and fast setup



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