

POWERSCOUT®

Recognising connections – optimising maintenance



POWERSCOUT®

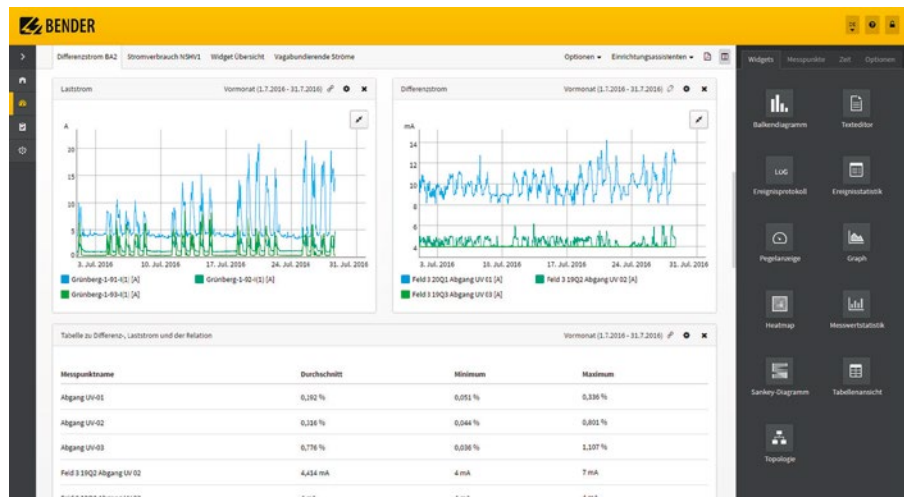


Range of features

- Transmission of measured values every 15 min
- Resolution of the data as a function of the velocity of the bus system
- 16 visible dashboards
- 256 public dashboards
- Commissioning wizards
 - Residual current
 - Stray currents
 - Neutral conductor
 - Central earthing point
- Dashboard management
- Tree views management
- Report management
- Automated sending of reports
- Integration via CP700, COM465IP and COM465DP
- Integration of third-party devices
- A web-based application for all types of devices
- Languages
 - English
 - German
- User management
- Supported browsers
 - Chrome
 - Firefox
 - Internet Explorer

Dashboards

Dashboards are used for visualisation of stored measured values. The contents are structured using configurable widgets. Among other things, time periods and several statistical values can be set here.



Name	Beschreibung	Besitzer 14 / 16	Sichtbar 5/16	Öffentlich 16/256	
Widget Overview	a dashboard	reinhard.kessler	<input type="checkbox"/>	<input type="checkbox"/>	Duplizieren
System Overview Sierleben	a dashboard	reinhard.kessler	<input type="checkbox"/>	<input type="checkbox"/>	Duplizieren
Sierleben-1-RCHS-480-D (2)	a dashboard	reinhard.kessler	<input type="checkbox"/>	<input type="checkbox"/>	Duplizieren
Plant Overview Grünberg	a dashboard	reinhard.kessler	<input type="checkbox"/>	<input type="checkbox"/>	Duplizieren
BA1 - 472 Ladestation	a dashboard	reinhard.kessler	<input type="checkbox"/>	<input type="checkbox"/>	Duplizieren
Grünberg - Feld 11 43Q2 Abgang Bmktr 1	a dashboard	reinhard.kessler	<input type="checkbox"/>	<input type="checkbox"/>	Duplizieren
Grünberg - UV 5 13Q1 Stromsch.3PH	a dashboard	reinhard.kessler	<input type="checkbox"/>	<input type="checkbox"/>	Duplizieren
Stromversorgung	describe it	reinhard.kessler	<input type="checkbox"/>	<input type="checkbox"/>	Duplizieren
Differenzstrom BA2	Differenzströme aus UV-02/UV-03/UV-04/UV-05	alexander.heghofer	<input type="checkbox"/>	<input type="checkbox"/>	Duplizieren
Stromverbrauch 33W1	describe it	alexander.heghofer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Duplizieren
Widget Übersicht	describe it	alexander.heghofer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Duplizieren
mein erstes Dashboard	die tolle Beschreibung	valentin.fischer	<input type="checkbox"/>	<input type="checkbox"/>	Duplizieren
Datencheck	Beschreibung	daniel.schmidt	<input type="checkbox"/>	<input type="checkbox"/>	Duplizieren

Additional settings are available in the dashboard management, e.g. publishing for other users.

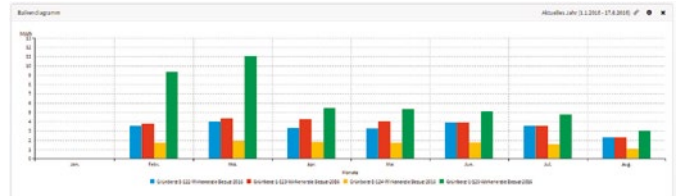
Widgets

Widgets are graphical components that allow individual adjustment of the content displayed in POWERSCOUT®.

Content editor



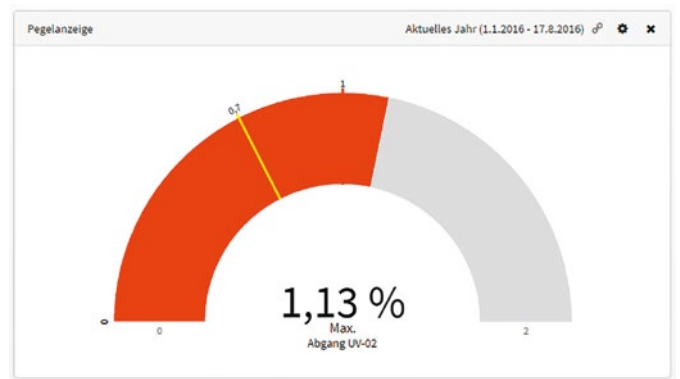
Bar graph



Event log

Datum	Ereignis	Messpunktname	Typ	Status	System	Subsystem	Gerät
15.08.2016 15:52:58	Stromausfall	PM13 1262 Abgang U1-2	Verarmung	Beginn	Grünberg	1	NDM13 PM12 12 47 A 3 0 0 0 (NDM13-400-0) (S)
15.08.2016 15:53:07	Stromausfall	PM13 1262 Abgang U1-3	Verarmung	Ende	Grünberg	1	NDM13 PM12 12 47 A 3 0 0 0 (NDM13-400-0) (S)
20.08.2016 06:05:34	Stromausfall	PM13 1262 Abgang U1-2	Verarmung	Beginn	Grünberg	1	NDM13 PM12 12 47 A 3 0 0 0 (NDM13-400-0) (S)
20.08.2016 06:07:50	Stromausfall	PM13 1262 Abgang U1-2	Verarmung	Ende	Grünberg	1	NDM13 PM12 12 47 A 3 0 0 0 (NDM13-400-0) (S)
20.08.2016 06:08:52	Stromausfall	PM13 1262 Abgang U1-2	Verarmung	Beginn	Grünberg	1	NDM13 PM12 12 47 A 3 0 0 0 (NDM13-400-0) (S)
20.08.2016 06:10:08	Stromausfall	PM13 1262 Abgang U1-2	Verarmung	Ende	Grünberg	1	NDM13 PM12 12 47 A 3 0 0 0 (NDM13-400-0) (S)

Gauge



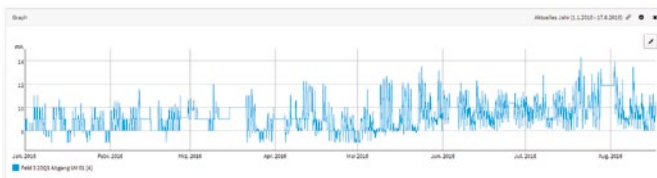
Event statistics

Anzahl der Ereignisse	Ereignis	Messpunktname	Typ	Status	System	Subsystem	Gerät
2	Stromausfall	PM13 1262 Abgang U1-2	Verarmung	Beginn	Grünberg	1	NDM13 PM12 12 47 A 3 0 0 0 (NDM13-400-0) (S)
2	Stromausfall	PM13 1262 Abgang U1-2	Verarmung	Ende	Grünberg	1	NDM13 PM12 12 47 A 3 0 0 0 (NDM13-400-0) (S)
1	Stromausfall	PM13 1262 Abgang U1-3	Verarmung	Beginn	Grünberg	1	NDM13 PM12 12 47 A 3 0 0 0 (NDM13-400-0) (S)
1	Stromausfall	PM13 1262 Abgang U1-3	Verarmung	Ende	Grünberg	1	NDM13 PM12 12 47 A 3 0 0 0 (NDM13-400-0) (S)

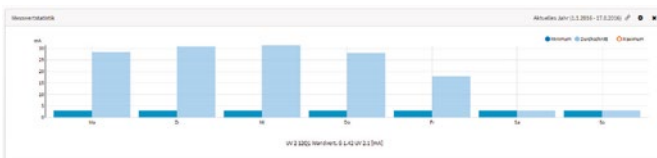
Table view

Messpunktname	Durchschnitt	Minimum	Maximum
Grünberg-1-126-Frequenz	50 Hz	0 Hz	50,107 Hz
Grünberg-1-126-I(1)	36,899 A	81,438 mA	199,807 A
Grünberg-1-126-I(2)	59,96 A	98,143 mA	335,544 A
Grünberg-1-126-I(3)	59,086 A	0 A	314,869 A
Grünberg-1-126-I(N)	66,668 mA	28,766 mA	164,241 mA
Grünberg-1-126-P (1)	8,158 kW	-6,792 kW	43,502 kW
Grünberg-1-126-P (2)	11,232 kW	-14,956 kW	72,787 kW
Grünberg-1-126-P (3)	11,627 kW	-14,065 kW	68,871 kW
Grünberg-1-126-U(1-N)	228,419 V	220,636 V	234,952 V
Grünberg-1-126-U(2-N)	228,665 V	220,833 V	236,297 V
Grünberg-1-126-U(3-N)	228,685 V	221,342 V	236,053 V

Graph



Measurement statistics



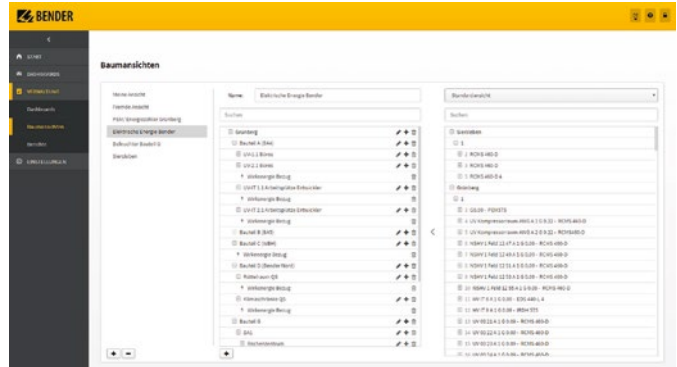
Topology



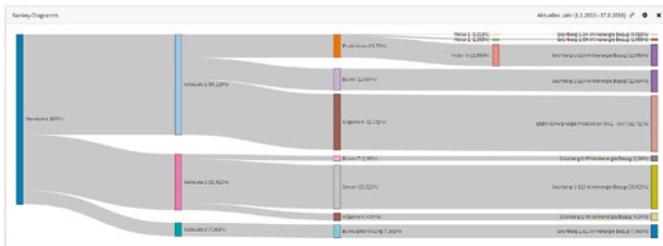
Tree views

Tree views represent the systems integrated in POWERSCOUT® in a hierarchy. Here you can select the measured values for the individual widgets of a dashboard.

Particular views can be individually configured in the tree views management.



Sankey diagram



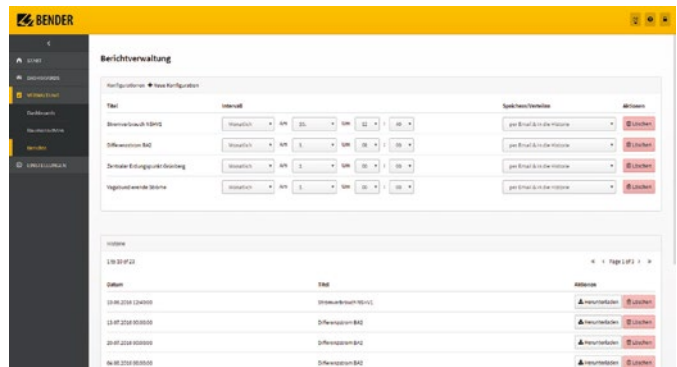
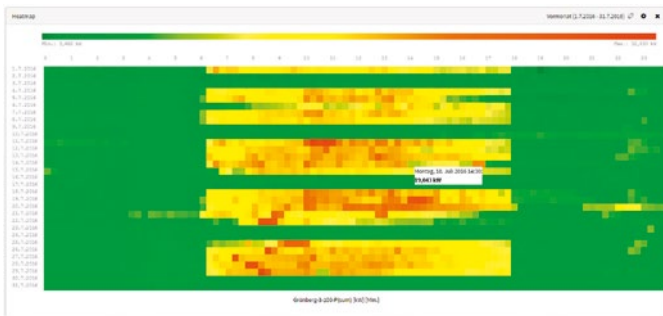
Reports

Reports can be generated from the contents of dashboards.

A dashboard can always be sent or saved as a report.

Managing these reports is also possible.

Heat map



In the report management, you can set the publishing intervals as well as the storage in POWERSCOUT®.

Commissioning wizards

The wizards support the user in generating dashboards and reports. With just a few steps, meaningful dashboards related to a specific subject of electrical safety can be generated.

Residual current

The commissioning wizard supports you in creating a dashboard that allows evaluating the level of the residual current at a glance. The ratio of residual current and load current is calculated.

Stray currents

The wizard for stray currents indicates the system parts where excessive stray currents exist.

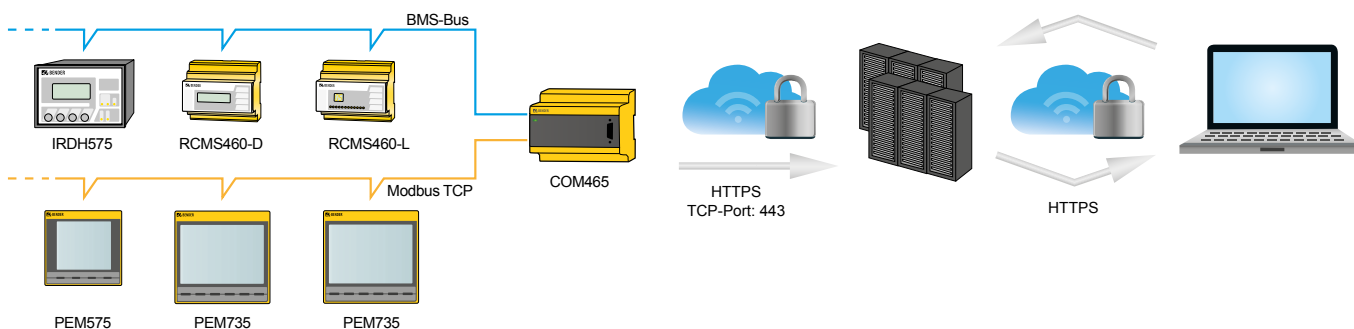
Central earthing point

The central earthing point wizard generates a meaningful visualisation for the user by querying the current at the CEP and the corresponding phase current.

Neutral conductor

The excessive load on the neutral conductor challenges many system operators. The commissioning wizard evaluates the neutral currents and indicates whether they are too high.

System architecture



Overview price model

Model	Collectors (gateways)	User	Type	Art. No.
Hosted	up to 2	10	POWERSCOUT 2	B 9506 1500
	up to 5	20	POWERSCOUT 5	B 9506 1501
	up to 10	40	POWERSCOUT 10	B 9506 1502
	> 10	> 40	POWERSCOUT project	B 9506 1503
On-Premise	up to 2	10	POWERSCOUT 2	B 9506 1504
	up to 5	20	POWERSCOUT 5	B 9506 1505
	up to 10	40	POWERSCOUT 10	B 9506 1506
	> 10	> 40	POWERSCOUT project	B 9506 1507

- If you choose the **Hosted** model, we will operate POWERSCOUT for you in a German data centre. We take care of updates and maintenance for you.
- If you choose the **On-Premise** model, POWERSCOUT will be installed on one of your servers.



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