

Flexible system communication for monitoring your electrical installations



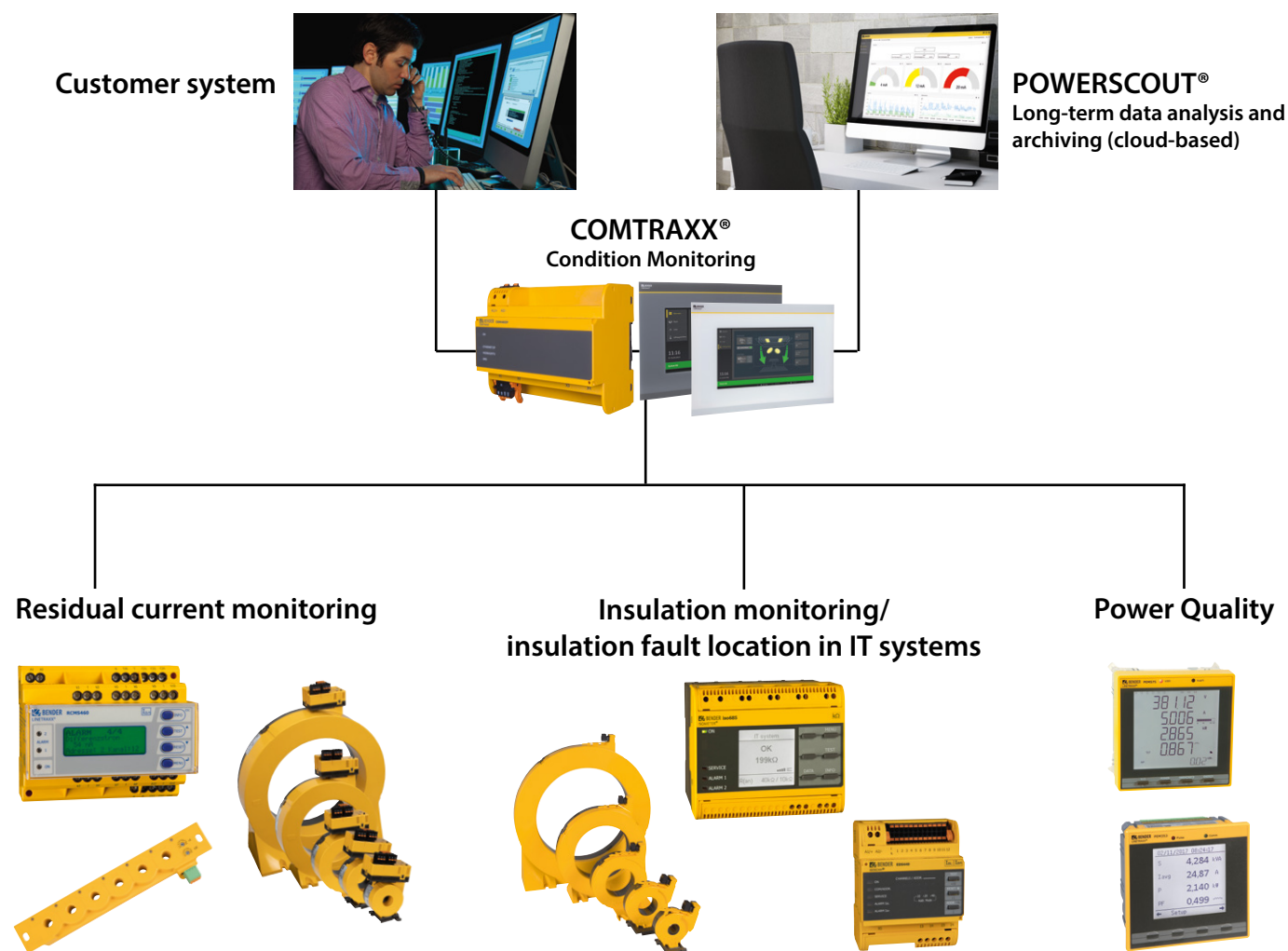
Flexible system communication – everything in view

Perfect system overview through fast information exchange and flexible integration of devices

Keep an eye on the system state of your electrical installation: The communication solutions from Bender use a Condition Monitor and can be integrated into the existing IT structure like any other Ethernet-capable device. This is done via integrated interfaces and offers the flexibility to integrate third-party devices into the system along with the Bender devices.

The web interface makes checking and setting measured values, parameters and all other data simple and intuitive. It can be used to report and visualise alarms and to generate individual overview pages using the visualisation application.

Schematic overview



Advantages of the Bender interfaces

BMS

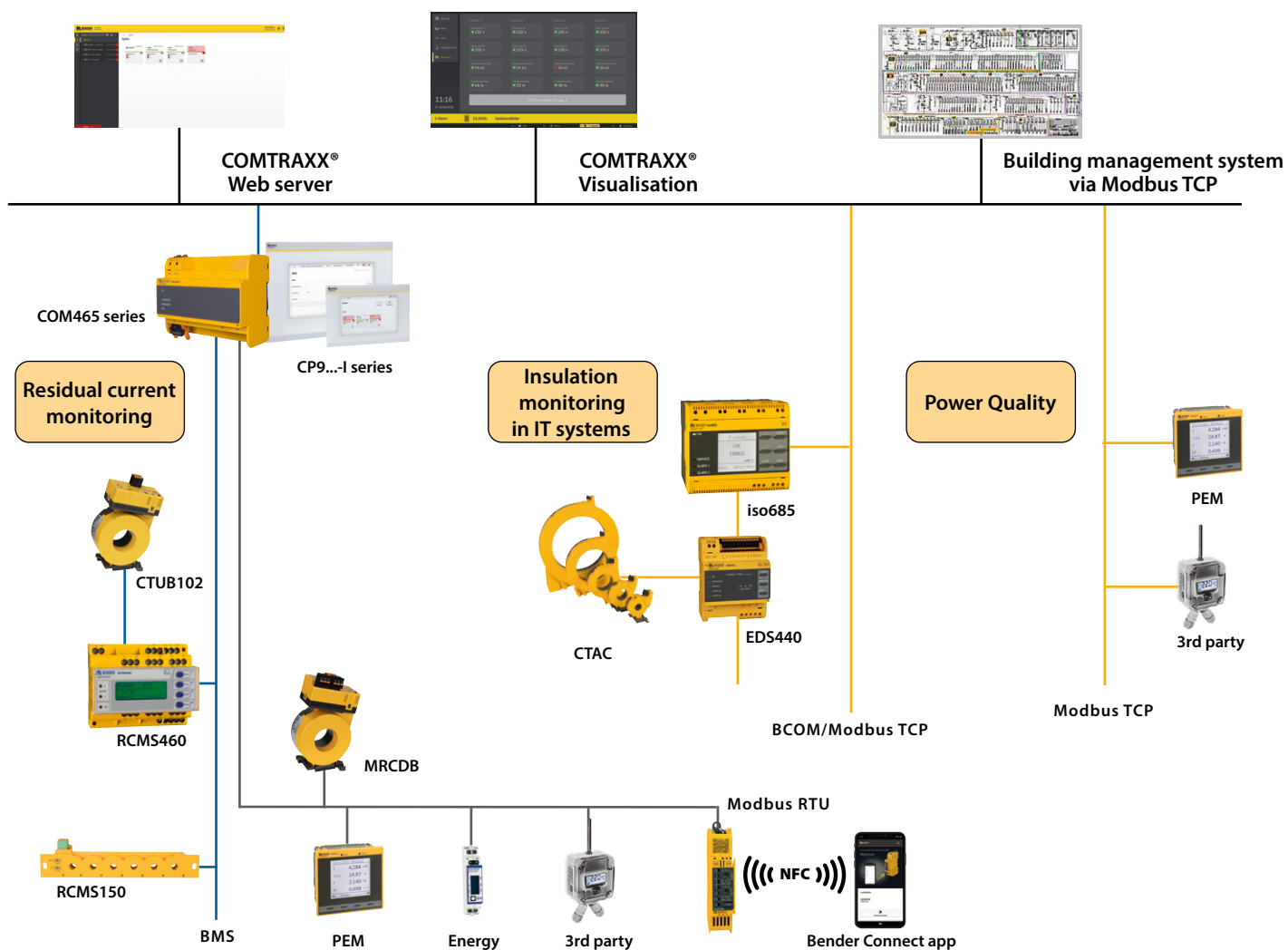
BMS stands for Bender measuring device interface. It is an RS-485 interface with a protocol which has been especially developed for Bender devices. The BMS bus cyclically transmits alarm and operating messages. In addition, the protocol contains commands for querying and changing device parameters as well as various control commands.

BMS is a proprietary bus that does not allow any other communication on the 2-wire line.

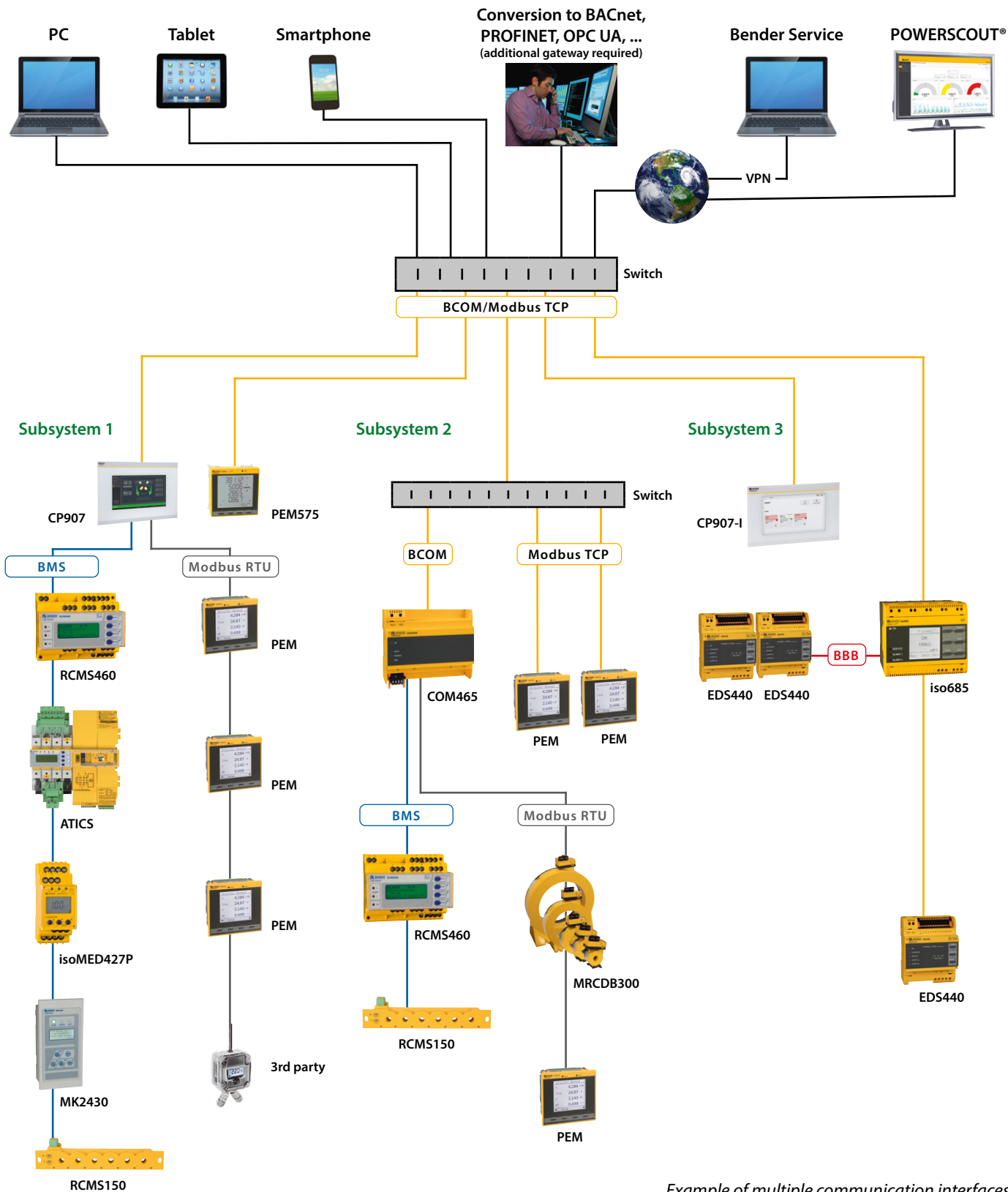
BCOM

BCOM is a protocol for the communication of Bender devices via an IP-based network. Communication is based on standard Ethernet hardware, TCP/IP or UDP/IP protocol and other standardised network services. The Bender devices can communicate in parallel with the office communication and use the same infrastructure. BCOM does not restrict other standard communication on the same network.

Smooth integration of different BUS systems



Future devices can be configured and read out via the Bender Connect app. [Click here for more information.](#)



Example of multiple communication interfaces



Bender GmbH & Co. KG

Londorfer Straße 65 • 35305 Grünberg • Germany
Tel.: +49 6401 807-0 • info@bender.de • www.bender.de

Photos: Bender Archive, (©) Rich Yasick 2010, (©) Petair, (©) mario beauregard, (©) Simon Kraus, (©) tum2282, (©) elgris, (©) BeTa-Artworks, (©) hocus-focus, (©) Mihai Simonia, (©) Denys Prykhodov, (©) Vik10



BENDER Group