



Highlights

Light + Building 2016



Power and productivity
for a better world™

Welcome in two rooms full of possibilities

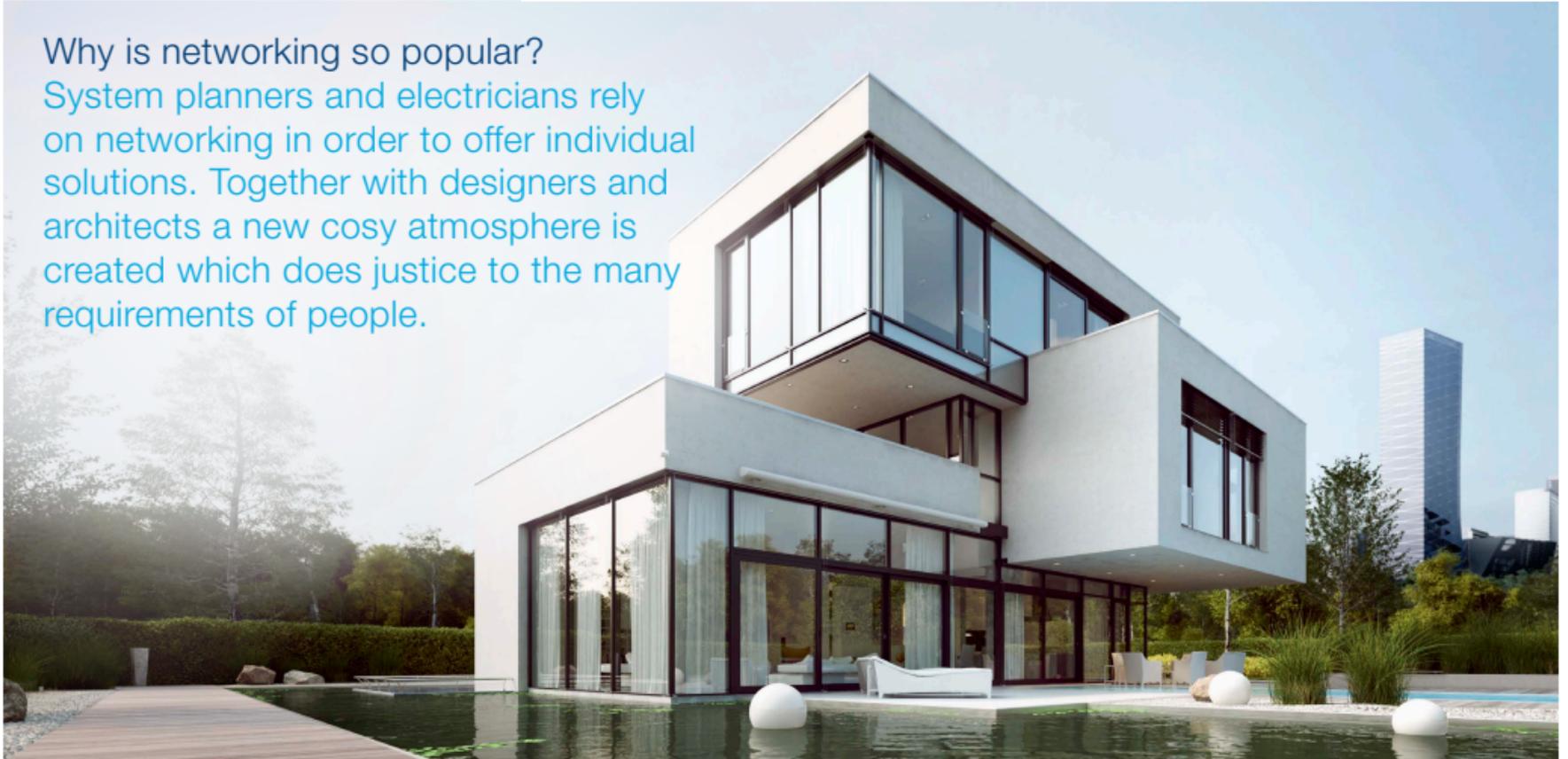
Experience Living Space® and Building Space® firsthand. In our experience sector or the product exhibition. Our experts also look forward to a personal interchange with you.
Why not consult us - we look forward to meeting you.



Power and productivity
for a better world™

Why is networking so popular?

System planners and electricians rely on networking in order to offer individual solutions. Together with designers and architects a new cosy atmosphere is created which does justice to the many requirements of people.





New ideas for all the senses

Home's the nicest place to be. This is made possible with the numerous new possibilities of home automation. Everyone can use it to his heart's content because it adapts itself perfectly to human needs. Those who wish to make the most of this technology need a fully networked system. ABB has a comprehensive offer for all who are planning it and making it available.

SMART
HOME

Living Space®



Real estate is getting dynamic

The demands of all who are present in large buildings professionally or privately are increasing. Here the electrical installation technology of ABB offers everything and even more, a system that can continue to be extended. ABB has a complete concept for impressive office buildings, representative public architecture or for complex functional buildings.

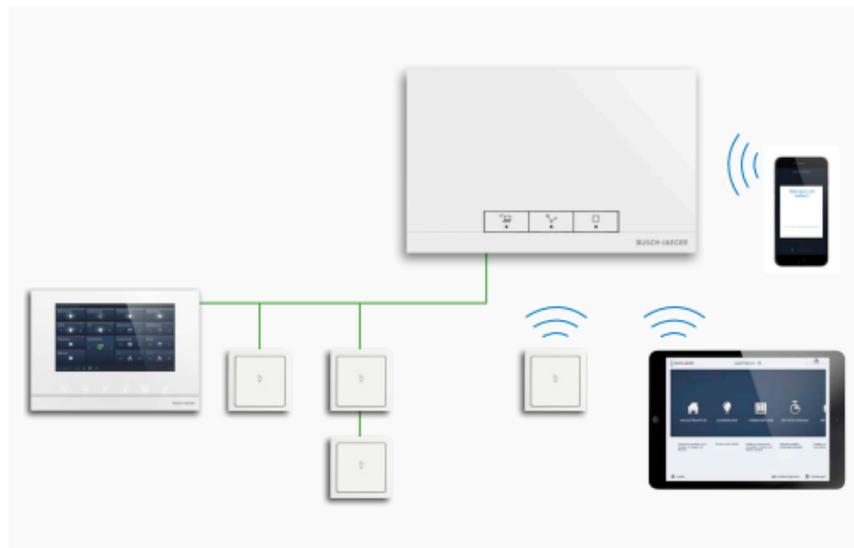
SMART
BUILDING

Building Space®

ABB-free@home® Wireless Doubly flexible due to wireless and wired installation

Now not only for new building projects but also for renovations. Complete product variety and freedom for application due to wired and new wireless technology.

- The wireless version opens new possibilities for modernization projects
- The best radio connection due to meshed network
- Makes possible the control of light, heating, air conditioning and blinds



Camera Interface

Cooperation with the best perspectives

Greater flexibility and a better overview with up to 15 external cameras. Integrated into the ABB-Welcome system.

- For up to 15 different analogue video cameras on 1 device
- Also suited for analogue cameras of other manufacturers
- Completely clear images
- For retrofitting and extension



Busch-Controltouch® KNX Remote control with mobile devices – with ease

For the integration of smartphones, tablets and smartwatches as remote control for KNX systems (IOS/Android). Commissioning is web-based, retrofitting directly via KNX connection. Comfortable operation.

- For smartphones and tablets (iOS/Android)
- Web-based commissioning
- Support from Sonos system/
IP camera/Philips HUE
- Error/alarm messages via push messages



Busch-balance® SI/Reflex SI

The modern standard for KNX systems

I love both SIs. Classically rounded or modern straight-lined. At full depth of the range the KNX is now compatible with a standard switch range.

- Switching, dimming and control with a classic standard switch range
- Full depth of range for KNX



EDS meter panel app

Easy integration into web shops

Are you looking for suitable meter panels for the German market? The free EDS meter panel app makes it possible.

- In four clicks only to the right meter cabinet
- Data sheets, e-mail and much more
- Available as app and online
- Easy integration into the web shop of electric wholesalers
- Extension of the product range by CT metering components



CombiLine N

The modular distribution panel system

The perfectly thought out quick mounting system has been completed by incoming, outgoing and coupler modules with a 185 mm main busbar system.

- Incoming modules for breakers T7/E1.2
- Coupler modules for breakers T7/E1.2
- Outgoing modules for fuse switch disconnectors InLine II
- Outgoing modules for switch disconnector fuses SlimLine XR



Mistral 41

Wall-mounting consumer units

The appealing design of the Mistral 41 series combines functionality with aesthetics.

- Degree of protection IP41
- Versions for media and communication devices
- With N/PE Quick-terminals
- Generous wiring space
- Sheet steel and transparent doors as accessories
- Door opening angle of 180 degrees

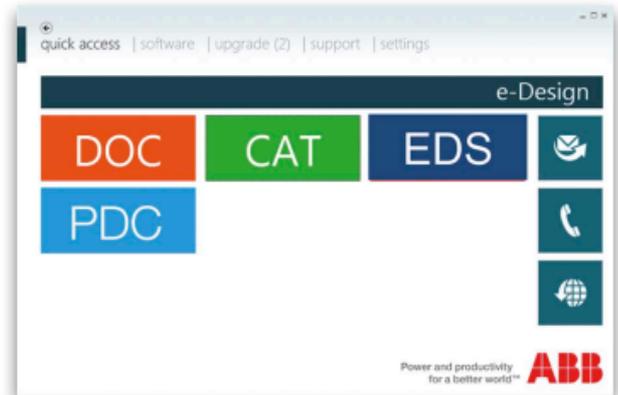


e-Design

A single access for all software tools

The new software suite e-Design supports the entire planning process electrical systems from ABB.

- Unique entry point for all software tools DOC, CAT, EDS and PDC
- Exchange of all project data in a common file format
- All devices and enclosure systems included
- Selection and configuration of products and accessories
- Configuration and dimensioning of electrical installations
- Quotation and documentation



Pharos emergency lighting - LED

Exit signs for easy wall and ceiling installation

Self-contained emergency lighting luminaire

- Exit signs viewing distance 25 meters
- Emergency duration time 3 hours
- LED self-contained maintained and non-maintained version



DTS®

Explosion protective components & systems

ABB manufactures a wide range of ATEX, IECEx, UL, CSA approved electrical products for hazardous area applications. These include hazardous area conduit systems, cable glands, lighting ranges, control stations, junction boxes and custom built control panels.

- Optimized energy consumption with LED light source
- Operating life up to 100,000 h
- Optimum protection against dust and water
- Easy installation
- Retro-fit LED gear tray for existing fixtures



Ty-Rap®

High performance cable ties with the Grip of Steel

Ty-Rap® fastening systems include a full range of cable ties, identification ties, clamps, mounting bases, harnessing aids and installing tools, which improve the reliability of harnessing and wire bundling.

- Non-magnetic stainless steel locking barb to ensure a strong, reliable and long lasting fastening
- Rounded edges to prevent damages and injuries
- Dedicated tooling to ensure that the slight over cut retracts into the head, eliminating the risk of injury



E-Klips®

Electrical & mechanical spring steel fixing systems

E-Klips® is the market leading spring steel fastener brand, delivering robust, flexible and easy to install fixing solutions for a wide range of applications – without the need for bracket making, drilling holes or the use of nuts and bolts. Key applications include cables, pipe-work, trunking, ducting, cable tray, light fittings, conduit and suspended ceiling.

- Reduced installation time
- FMRC approval
- Corrosion protection



viaFlex

The reliable emergency lighting system for all occasions

Depending on building structures, emergency lighting is structured centrally or decentrally. The central battery system viaFlex can be realized in both situations.

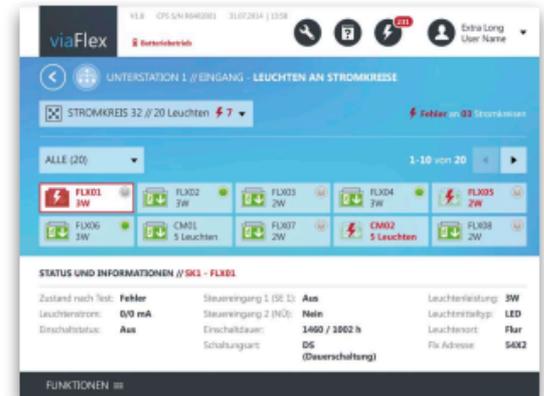
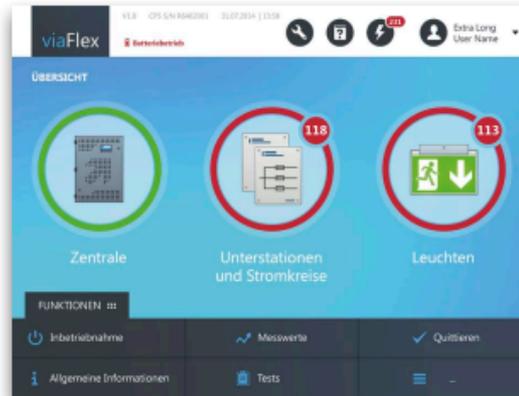
- Savings in E30 installation material and even emergency lighting without E30
- Quick installation as no adjustments need to be made to the luminaire module
- Intuitive operational concept for time-saving commissioning



viaFlex PRO

Intuitive user interface

- Maximum flexibility in setup – new and intuitive user interface concept
- Software viaFlex PRO with user friendly commissioning wizard



Serenga Downlights

LED emergency lighting luminaires with large diversity

The restrained Serenga LED downlights ensure emergency lighting in case of power failure within buildings.

- Maximum spacing
- Easy and quick to install
- Recessed version in round or square shape

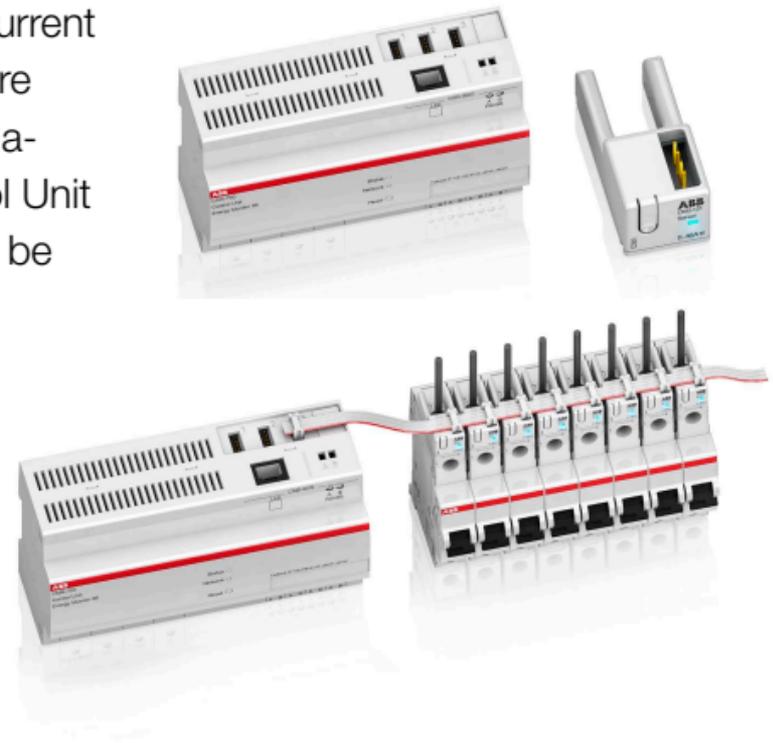


New CMS Sensors and Control Unit CMS-700

Current measurement within minutes

The Current Measurement System (CMS) is a system for current measurement of electrical lines. The new range of open core sensors helps to add branch monitoring into existing installations without the need to power-off the system. The control Unit CMS-700 aggregates data from up to 64 sensors that can be remotely queried via LAN TCP/IP or by Modbus RTU.

- Minimal space requirements
- Easy installation – less installation time and minimal wiring
- User-friendly commissioning due to the intuitive navigation layout



New Residual Current Device F200 B Type

For guaranteed efficiency and operational continuity

F200 B Type is suitable for non-linear circuits that can generate leakages with high direct current and/or high frequency components. It can be installed either in two-phase and three-phase networks.

- Operating temperature from -25 to +60 °C
- According to EN 62423 and VDE approved
- Easy to connect and compatible with busbars
- Compact design



ABB i-bus® KNX IP Devices

Connecting KNX to IP networks

The new range of IP devices can be used in all applications in which KNX shall be interfaced to IP networks. The IP Interface is especially suitable to connect visualization systems and ETS software to the KNX bus. The IP Router can be used additionally as fast line and area coupler for KNX installations.

- 5 Tunneling Server available
- Power supply via Power-over-Ethernet (PoE) is supported
- ABB i-bus® Tool for IP discovery and firmware update available facilitating installation and commissioning
- Standard multicast communication in IP router can be switched to unicast



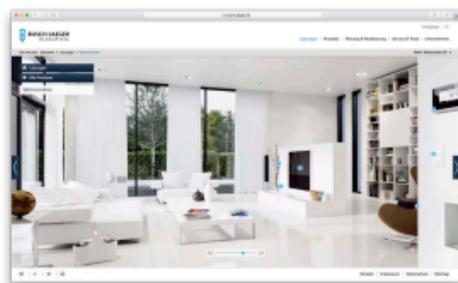
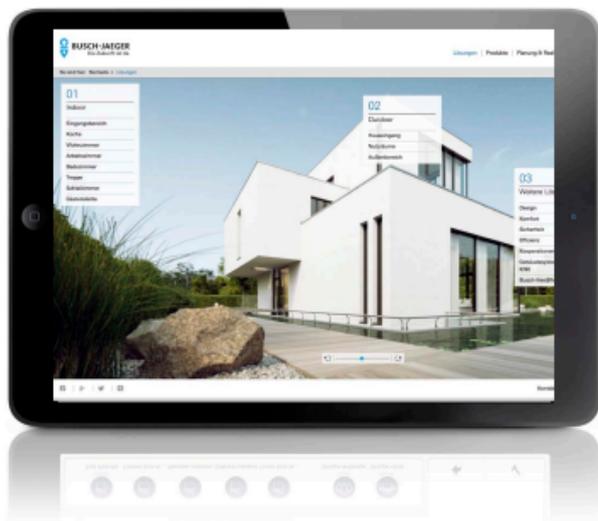
The new ABB i-bus[®] KNX Logic Controller ABA/S 1.2.1

Maximum design freedom for KNX professionals

With the new ABB Logic Controller ABA/S 1.2.1 system integrators can quickly and flexibly deal with the most challenging project requirements – with a maximum of design freedom. That is because the logic controller can easily and reliably accommodate altered or extended functionality requests during construction or usage of buildings.

- Graphical programming interface in ETS software environment without the need to install additional software
- Comprehensive library of functions for all typical building applications
- With the inbuilt simulator all functions can be tested before going live

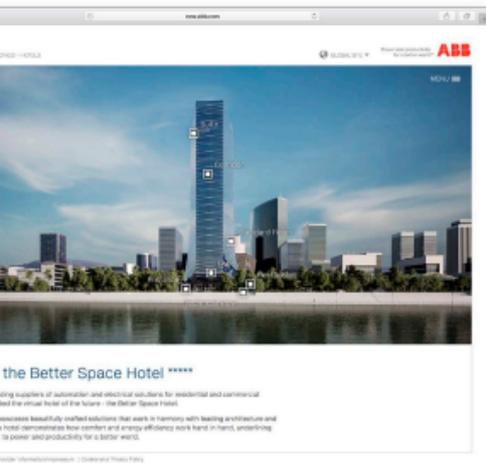




Living Space® Experience the impressive variety online

What Busch-Jaeger amounts to in detail can already be discovered on the monitor three-dimensional, solution-oriented and interactive. All rooms of a house are accessible in virtual reality. Here one can see each product in its application – on the tablet or on the PC.

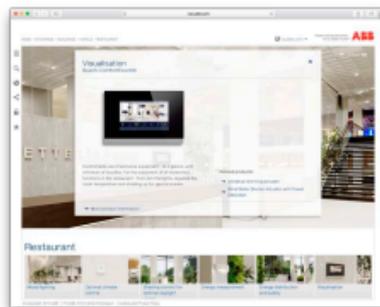
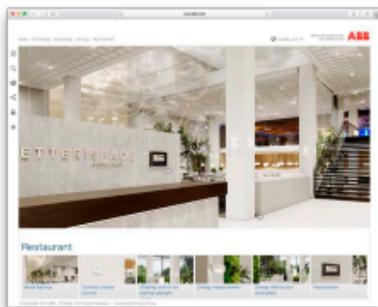
www.busch-jaeger.de/en/solutions/



Building Space®

Discover new perspectives online

The Building Space® | Hotel, a virtual building, presents itself with impressive rooms and great variety. The latest possibilities are illustrated here three-dimensional and interactive, because even for the largest real estate projects the smallest detail is important.



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