



### Product News

#### New module with 64 binary inputs available

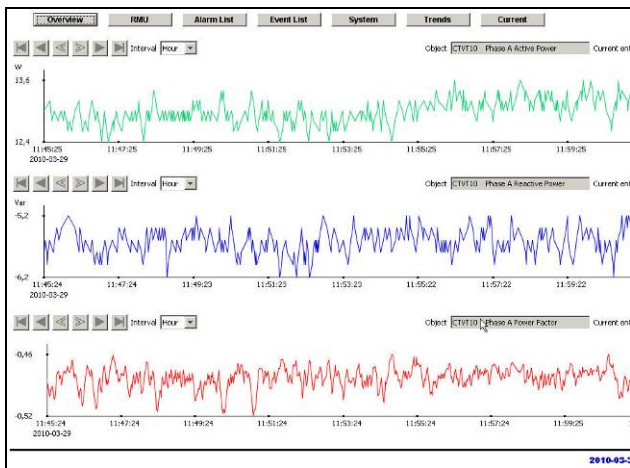
The completion of the trial period within a pilot project was the final milestone for the release of this DIN rail mounted module. The module provides 64 binary inputs and the same functions known from the RTU560.



The module can be used instead of rack mounted inputs without additional terminals. The costs per input can be significantly reduced by using the 23BE50.

#### HMI functionality improvement

Trends are now supported within the HMI functionality of the RTU560. The HMI allows displaying different data types like Analog Measured value Input (AMI), Digital Measured value Input (DMI), Integrated Totals Input (ITI) and Analog Measured value Floating Input (MFI) as graphs.



This function enriches the HMI functionality significantly.

#### Improved communication flexibility

TCP/IP services can now be provided via a serial port of the RTU560 by using PPP connection. This makes the RTU560 even more flexible and allows using serial ports for TCP/IP services. This improvement allows the user to use lower cost modems in their applications.

### Project News

#### ABB delivers top monitoring and control system for world's tallest building

When completed in January 2010, Burj Khalifa in Dubai became the world's tallest building, with 164 floors and a total height of 828 meters. The record-breaking tower has the power needs of a small town and is equipped with its own substations, where the voltage of electricity from the utility is lowered to a level necessary for its safe delivery to consumers. ABB's RTU, a state-of-the-art power monitoring and control unit, ensures the smooth operation of all the electrical equipment in the building. ABB's RTU technology offers immediate access to real-time information as well as easy connectivity to other systems. The technology is an integral part of ABB's SCADA system and is designed for local and remote control applications in both electrical and non-electrical processes. The solution is helping the developer reduce system life-cycle costs thanks to its future-proof design.



With over 40 year experience in RTU business and the leading position in medium and large RTU applications, ABB is a strong partner delivering reliable, future-proof and cost-efficient RTU solutions.

### RTU560 to London Underground

Striving for continual improvement, London Underground has recently initiated major power upgrades to facilitate service betterment throughout London, UK. As part of this initiative ABB was recently invited to upgrade two strategic substations with electrical plant, ancillary equipment and the required civil works to accommodate. One element of works undertaken was the replacement of 2 legacy RTUs with ABB's new generation RTU560s as a pilot project, with each one providing:

- Redundant IEC 60870-5-104 communications to an ABB SPIDER HOST over fiber optic
- Remote configuration and diagnostics
- SPABUS serial links to ABB's IEDs over fiber optic
- Integrated HMI as Local Control Panel
- PLC for local alarm annunciation



RTU's now commissioned, ABB has once again demonstrated the strength and flexibility of the RTU560 and has since been approached for the supply of a further 47 RTU560s, each of varying size and significance.

### Service and Training

#### New training course: RTU560 IEC 61850 client and server configuration

On May 17, 2010 the first new IEC 61850 client and server training will take place. After this 5-day training participants will be able to configure RTU560 as IEC 61850 client (gateway) and server (IED Proxy). The participants will have the knowledge and practice of necessary tools for configuration and protocol analysis. The attendees of the training will be able to commission RTU560 in IEC 61850 client, server and GOOSE configurations.

For further information and to register for this training course please visit [ABB University](http://www.abb.com/ABBUniversity).

### Events / Exhibitions

#### Network Management Forum, October 4 – 7, 2010 in Heidelberg

We would like to inform you that the annual Network Management Forum will take place in Heidelberg, Germany from October 4 to 7, 2010. We hope to welcome you to this event. Expect more information soon.

Last year 290 international customers, consultants and partners participated. The event provides an opportunity for discussion and experience exchange not only in the field of remote control, but also in network management, communication, substation automation and protection.

#### RTU in exposition on ELECRAMA 2010

During Asia's largest power exhibition ABB India launched the new version of RTU560 for DIN rail. The marketing launch of the 560CIG10 was supported by Reza Khalili, Area Sales Manager from ABB Germany, amidst a large audience comprising customers, channel partners and colleagues.

Two top executives from Tata Power also visited the stall and found the displays quite informative and well presented. They also spoke highly of the ABB products that they were already using like MicroSCADA, RTUs and relays.

ELECRAMA is a bi-annual event organized by India's leading electrical trade association, IEEMA (Indian Electrical & Electronics Manufacturers Association).



The event has drawn more than 1,200 exhibitors from all around the world showcasing their products from January 20 to 24, 2010 at the Bombay Exhibition Centre in Mumbai, India.

### RTU560 presented on DistribuTECH 2010

This year the distribution and technology conference and exhibition event took place in Tampa, Florida from March 23 to 25. During 3 days representatives of most utilities as well as presenters, participants and visitors had the opportunity to join several conferences and to visit the exhibition hall in which ABB was very well positioned. ABB's booth displayed not only the product portfolio for solutions in substation automation and distribution but was the only one doing real demonstrations of reclosers, sectionalizers and remote controlled pole top switches.



The 560CIG10 was also presented in ABB's booth in a cubicle in which visitors from American utilities as well as from several other countries showed interest in topics such as fault current detection, the inside logic (PLC) and the integrated HMI. It's the first time ABB demonstrates at such an event a compact version of the RTU560 with the same powerful capabilities of the other types of RTUs. Several visitors requested to receive further information from our colleagues in USABB.

### Hannover Messe 2010

From April 19 to 23, 2010 the world's most important technology event takes place under the new motto "Efficiency - Innovation - Sustainability" in Hanover, Germany. The new RTU560 for DIN rails, DSL solutions for two-wire lines and four-wire lines as well as radio modem solutions will be presented during the Hanover fair in hall 11 at the ABB stand A35.

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