

Migration of RTU211 to RTU511

Higher functionality with minimal effort for a longer lifetime of your RTU211 installations

Easy upgrade to extend the lifetime of RTU211 installations is now possible with ABB's migration kit. The migration kit provides a plus of functionality with only a few clicks and a minimum of downtime.



Migration from RTU211 to RTU511

To protect customer investments over a long time, existing RTU211 installations can be upgraded to the compact RTU511 with minimal effort and time. The available migration kit makes it very easy to exchange the hardware in just a few steps. Besides the hardware upgrade, the import of existing RTU211 configurations is supported within the easy-to-use engineering tool RTUutil500. Thus the hardware and software migration are easy to handle and do not require any special support.

Migration kit provides easy upgrade

State-of-the-art hardware and software can be added to existing RTU211 installations in just a few easy steps. Our migration kit 511MKM01 includes a brand new CMU module and a new housing which, combined with the appropriate SD card, make the upgrade to a high-functionality RTU511 possible. The new CMU provides more power to the RTU with a reduced power consumption, compared to the RTU211 CMU.

The components of the migration kit make it very easy to replace the existing RTU211 CMU without any additional wirings, whereas the hardware of the installed RTU211 can be re-used with the new CMU. The SD card, which has to be ordered separately, provides the necessary functionalities.

Re-use of existing I/O installation

For the successful migration to RTU511 the existing RTU211 multi I/O module and power supply unit can be re-used.

Therefore all wirings connected to the I/Os also remain unchanged, providing a convenient and time-saving migration procedure with only a minimal downtime of the system.

Re-use of engineering data

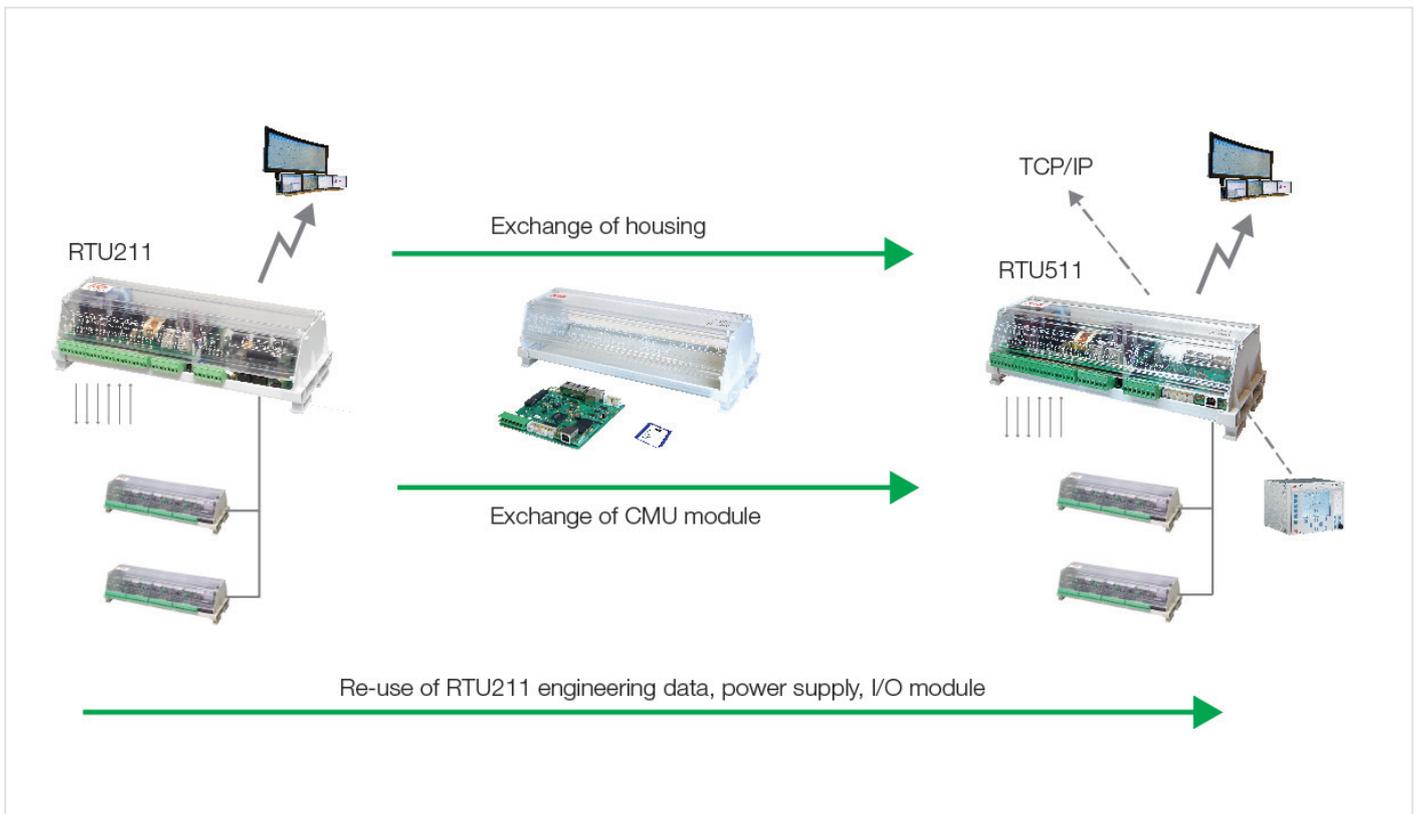
With only a few clicks you can easily transfer the existing RTU211 configuration data to the new RTU511. For this, no engineering know-how of the RTU211 is necessary because the import function is part of the new RTUutil500.

As a consequence, existing configurations can be re-used with an up-to-date technology base. This solution extends the lifetime of your installation and is one example of how ABB secures the investments of its customers.

Additional functionality

In only a few migration steps the installed RTU can profit from additional functions comparable to high-end RTUs:

- One engineering tool for all product lines
- Powerful PLC functions
- Up-to-date cyber security features
- Support of all standard protocols
- Support of Ethernet protocols (IEC -104, DNP3.0, WAN, Modbus)
- (1 out of n) check
- Archives
- Diagnosis



Just a few steps for a successful migration to RTU511

Reference case

As one of the first, the municipality of the city Kaiserslautern in Germany, Stadtwerke Kaiserslautern, took the chance to benefit from an upgrade of their installed RTU211 base. The successful pilot project comprised the migration of one of the installed RTU211 to the new RTU511.

In only 30 minutes the actual replacement on site was done. ABB provided the new communication unit (CMU) for RTU511 which replaced the old CMU to upgrade the hardware to the RTU511 and supervised the procedure which was carried out by the customer.

The existing configuration data of the RTU211 were prepared for the migration in advance with RTUtil500. Existing wirings were re-used so that the replaced parts were limited to the new CMU module and the housing of the migration kit. So for the customer it took only a few steps for the hardware replacement, whereas the gain in functionality and flexibility was outstanding.

The customer was very satisfied with the new RTU511. It does not only represent a lifetime extension of the installed system, but also provides a higher functionality and flexibility. Furthermore, the plus of functions will give the customer the opportunity to get more out of the established system.

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