

Success-Story

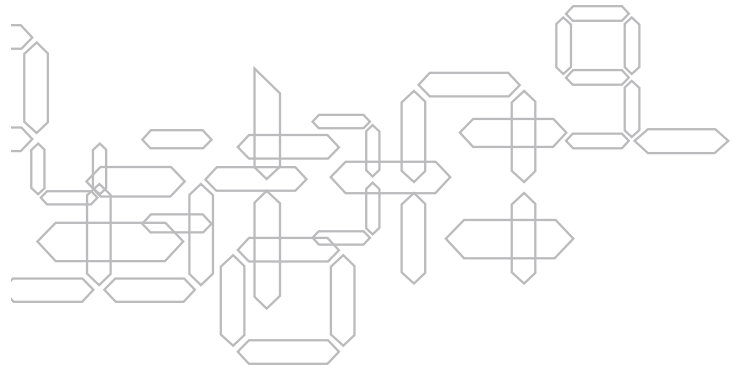
2007

Copenhagen Airport control made by DSE with BRODERSEN PRODUCTS



We have been using Brodersen hardware for many airports including military airports. Brodersen is a professional partner with high quality on hardware, service and support.

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Control of landing light in Copenhagen Airport with BRODERSEN RTU32.

In connection with a major upgrade of the control system for the landing light Copenhagen Airport and DSE Airport Division has chosen RTU32 from Brodersen. The airport wanted to use their general IT network based on TCP-IP and Ethernet also for control of landing light.

One of the important factors for the choice of RTU32 was the possibility of getting a redundant and event driven communication between the control tower and the distributed units controlling landing light and other technical installations like generator sets. About 80 RTUs with more than 5000 I/Os are part of the project.

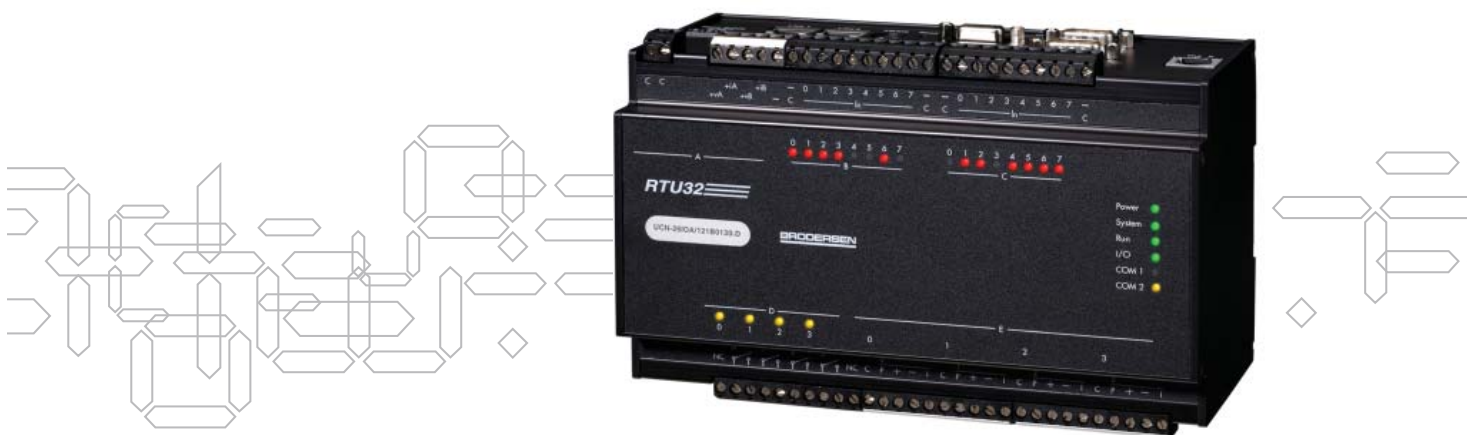
By using the two Ethernet ports on RTU32 and RTU32s unique dual binding protocol you get a very safe and reliable communication channel. All commands are send in parallel in two separate networks and the receiving RTU listens to both. In this way it is secured that a delay or an interruption on one of the network segments will not influence the applicati

The RTU always reacts on the information first received. The administration of the huge amount of signals is automated.

The list of signals is transferred directly from one single Excel spreadsheet to the global binding editor which is a part of the programming tool used for RTU32. In this away a lot time is saved during configuration and testing of the installation and later on maintenance is simplified a lot.

Technical Notes:

- Control and monitoring of landing light and technical-installations including control and monitoring of ventilation and diesel generators, regulators, etc. was originally installed in 99.
- The installation is in 2005 upgrade to a redundant RTU32 based system with event driven communication via Ethernet.
- The system includes more than 80 RTU32 RTUs and handles more than 5000 I/O channels.
- The solution is delivered by DSE Airport Solution A/S in cooperation with Brodersen.



BRODERSEN
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