



## Prunéřov EPR II protected by Arcteq

Arcteq has supplied more than 250 pieces of AQ 100 arc protection units and 800 arc light sensors to provide a fully selective arc protection solution to Prunéřov EPR II power station medium voltage switchgear.

The Prunéřov Power Stations are the largest fossil power station complex in the Czech Republic. They are situated on the western edge of the North-Bohemian brown coal basin near the town of Chomutov. They consist of two technological units providing total power output of 1.490MW.

### Arcteq protects MAX-lab substation in Sweden

Arcteq has supplied 8 units of AQ F215 feeder protection IEDs and AQ 101 arc protection units to new built 12kV substation of MAX IV laboratory. The substation is a part of construction of the next generation synchrotron radiation source. The MAX IV Laboratory, located at the northern campus of Lund University, Lund, Sweden, is a synchrotron light source facility and a Swedish National Laboratory

### Wind power station protection by Arcteq

Arcteq has installed AQ F215 type of feeder protection IEDs to protect and control the wind power substation of Svartvallsberget, Sweden. Automation of this 24kV substation is implemented using Modbus TCP protocol in the AQ F215 units.

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### Arcteq relays to Swedish Utility

Arcteq has installed 28 units of AQ F215 Feeder Protection IEDs and 2 units of AQ T352 Transformer Protection IEDs to Kalmar Energi H3 110/12kV substation. Arcteq supply includes also 26 pieces of AQ 100 arc protection units and 54 arc light sensors for fully selective arc protection solution of the 12kV switchgear. All Arcteq IEDs communicate with Netcon 500 substation controller using IEC 61850 communication standard.

Kalmar Energi is the South-Eastern Swedish region's leading energy supplier. Kalmar Energi supplies Kalmar, Smedby and Lindsdal with biomass-based local and district heating and is responsible for the electrical distribution throughout Kalmar town district. Kalmar Energi sells electricity to over 30,000 customers in southeastern Sweden and provides parts of Kalmar with district cooling and optical fiber network. Kalmar Energi has annual sales of approximately 800 million SEK and has approximately 100 employees.



### AQ 200 to five light rail system substations in Stockholm

Arcteq AQ 200 distribution protection IEDs are installed to five substations of Lidingöbanan light rail system in Stockholm, Sweden.

Arcteq scope of supply includes 28 AQ F205 type feeder protection devices and 5 AQ V211 voltage protection IEDs to Ropsten, Bageby and Aga 31kV/50Hz substations and Högberga and Kappala 11kV/50Hz stations. Arcteq units are connected to Rails' automation system using Modbus communication protocol.

### Vakka Suomen Voima installs Arcteq Feeder Protection IEDs

Arcteq has supplied AQ F215 Feeder Protection IEDs to Finnish power utility, Vakka Suomen Voima. The AQ F215 devices are connected to utility SCADA system through ABB RTU 560 using the IEC 61850 communication standard.

### Arc protection systems to Finnish power utilities and wind power stations

Arcteq has installed AQ 100 arc protection systems to protect Petolahti and Närpiö 20kV substations in Vaasan Sähkö Utility in Finland. Kopsa, Ristivuori and WinWind wind power collector stations are now also protected by AQ 100 arc protection systems.



### First Swedish utility installation in use for two years

Arcteq's first AQ 200 distribution protection IED installation in Sweden has now been in use for two years. C4 Energi utility in Åhus installed the AQ F201 overcurrent and earth-fault relays back in early 2012.