

New features in AQ-21x series



Arcteq is releasing new earth-fault functionality in AQ-21x series protection and control IEDs

As of 1st of September 2017 Arcteq is releasing a new firmware version for AQ-21x series protection and control IEDs.

The most significant new features are:

- The Broad-angle earth-fault mode included in the directional earth-fault (67N) protection function. This new protection mode can be used for both unearthed and compensated network without change of protection stages or setting groups.
- Enhanced earth-fault detection based on change of network during fault condition. This new detection method makes earth-fault detection more reliable especially in distributed compensation and mixed network of cable and overhead lines.
- Possibility to utilize larger amount of protection and control functions simultaneously.
- Faster HMI handling
- French and Finnish language support in HMI

[Read more about the earth-fault detection>](#)

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News



Market's most accurate bay control IED is now available

The new AQ-S255 bay control IED is now available. The AQ-S255 is equipped with Arcteq's signature ultra-accurate measurement technology along with other modern features.

Up to class 0.2S measurement accuracy revolutionizes the bay control technology by providing 5 to 10 times more accurate measurement data for the power grid operators compared to conventional technology. The new more accurate data allows for example for better load flow, peak and reactive power calculations. The accurate measurements are increasingly important due to major changes that are occurring in the power grid now and in the future.

[Link to AQ 250 series video>](#)

Arcteq supplies arc protection relays to 18 substations in Thailand

Provincial Electricity Authority's (PEA) has ordered Arcteq AQ 100 arc protection relays to its 18 medium voltage substations. Previously Arcteq has supplied dozens of arc protection systems to PEA since its 2014 product approval. Current supply contract

includes more than 200 relays and represents continuity to region's success story as Arcteq has supplied more than 2500 relays to neighboring TNB in Malaysia.

Significant new contracts for Arcteq



CERN, the European Organization for Nuclear Research, has chosen Finnish Arcteq to be the supplier of the protection relays for its electricity supply.

CERN is renewing the protection relays within the next five years. Arcteq was chosen after a technical evaluation and a bidding contest. Arcteq convinced CERN with its advanced technical features and the good record of accomplishment of products.

“This contract is an important reference for us, we were competing side by side with the largest protection relay manufacturers in the world,” marketing and sales manager Robert Olander says. “To an operator like CERN, the reliability of the electricity supply and the operation of protection relays is extremely important. This contract is an acknowledgement to the relay expertise of Arcteq.”

Under the contract with CERN Arcteq is to provide more than 250 pieces of the AQ 250 series protection and control IEDs to the Nuclear Research facility in Switzerland.

Arcteq is also supplying its products to dozens of 110/20kV substations for Caruna Oy, the largest Finnish electrical distribution company. Caruna has chosen Arcteq's AQ 200 and AQ 100 protection relay technology to its retrofit program for substations in Pohjanmaa region in middle of Finland.

[Read more about Arcteq from our renewed-web site>](#)

Arcteq continues its global growth



Arcteq keeps making grids smarter in all continents

Arcteq business continues to grow in all continents and company is investing even more in R&D and innovation to make future grids smarter.

Arcteq has revolutionized the industry's measurement technology and is able to provide more accurate information about the state of a network than anyone previously.

Its success is based on experienced personnel with exemplary expertise. While the company's major competitors are huge multinational, multi-function companies, specializing only in protection relays and smart grid has given it a considerable advantage.

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