

Oulun Seudun Sähkö selects Vamp



The Oulunsalo substation is equipped with 13 Vamp 255 protection relays.

The Finnish utility company Oulun Seudun Sähkö Verkkopalvelut Oy has equipped all their existing substations with Vamp arc protection systems. Since 2003, a total of 5 substations have been retrofitted with Vamp 221 arc protection systems in order to improve the protection degree and to extend the life cycle of the power distribution equipment.

Besides the retrofit program, Vamp feeder managers have been selected for the company's new substations. Vamp systems are part of Vaasa Engineering Oy's deliveries; one of the latest of these is for the substation in Oulunsalo, south of the city of Oulu. Commissioned in November 2007, the 110/20 kV substation comprises 13 feeders, a 20 MVA main transformer and 20 kV Veke switchgear built in a modular substation housing. Vamp's delivery to the project includes 13 Vamp 255-type feeder managers, each with a fibre optic serial interface and a separate

service bus over an Ethernet network. For Vamp, the Oulunsalo substation marks a technological milestone since it is the first installation where Vamp protection relays have been used in conjunction with a COM 610 communication gateway from ABB. After completion of the Oulunsalo project, a similar set-up has been ordered for the Oulun Seudun Sähkö Verkkopalvelut Oy's substation in the municipality of Kempele and there are options for two further substations.

According to Mr. Yrjö Vilhunen, managing director at Oulun Seudun Sähkö Verkkopalvelut Oy, the choice of equipment for the recent projects was based on several factors. "The main reasons for the choice of suppliers were the extensive scope of the delivery and the positive experience we, and also other utility companies, have gained from earlier projects with both companies," he summarises.

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