

## Vamp relays for Fortum's hydro power plants



*The Tainionkoski hydroelectric power plant in Imatra seen from downstream.*

The Finnish power company Fortum has chosen Vamp protection relays for the Tainionkoski and Imatra hydro power plants in eastern Finland. The order comprises totally 67 protection relays, including 20 Vamp 210 generator protection relays for the four generator units at the Tainionkoski power plant and six such units for the Imatra power plant. Protection systems for the stations' power distribution include Vamp 265 motor differential protection relays, Vamp 50 overcurrent relays, Vamp 55 voltage protection relays and Vamp 257 feeder and motor managers.

The renewal of relay protection for the Tainionkoski power plant was completed earlier in 2011 while the renewal of relay protection for the Imatra power plant will be completed in the spring 2013. Design work on both sites is done by the customer's own personnel.

Fortum's operations focus on the Nordic countries, Russia and Baltic Rim area. The company is one of the biggest and most experienced producer's of hydropower

in the Nordic countries. In 2010, 48% of Fortum's power generation in Nordic countries was based on hydropower. In 2010, the company's accumulated electricity production was 53.7 TWh, of which 22 TWh was hydropower.

