

### Vamp protection relays to the Swiss Alps



Vamp 230 feeder managers and Vamp 265 differential protection relays protect the power supplied by the Robiei hydro power plant in the Italian speaking part of the Swiss Alps. Ten Vamp units were installed in the plant's medium-voltage power generation and distribution system as a part of its new switchgear. Vamp relays were selected for the project on the basis of functional tests where all the major protection procedures were analyzed. Other features contributing to the final choice were the cost-efficient total package offered by Vamp and the availability of the Italian language on the display. Commissioning of the project took place in December. The location of the power plant at an altitude of

2000 metres above sea level made the project particularly challenging since all equipment had to be transported to the site by cable cars.

The Robiei power plant is owned by Ofima, one of the largest hydropower producers in Switzerland. It is the second major reference for Vamp in the country. Since 2003, Vamp feeder managers with fault location have performed successfully in the AIL Elettricit  power distribution network in Lugano, southern Switzerland.

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