



Project: First Stage of SCADA/COMMUNICATION

Customer: ABB AB Network Management (Sweden)

Years: 2008-2011

Performed works:

- Removal of debris (of old equipment), clearing position for the new equipment
- Digging of cable routes in outdoor switchyards
- Erection of cubicles including preparatory civil works
- Installation of cubicle support bars, cable trenches and cable ladders
- Earthing of cubicles and wall mounted panels
- Installation of cables between RTUs and plant sources, between AC/DC distribution and RTUs and between RTUs and Telecom cabinets
- Fitting of glands for a/m cables
- Termination, applying ferrules/lugs of cables and wires
- Installation of transducers and auxiliary relays (in plant cubicles) as applicable
- Termination and testing of modified circuits in plant
- Wiring check of all installed cables/wiring (continuity test)
- Testing of new and existing equipment such as transducers, command interposing relays, indication and alarm relays
- Installation of RTU, battery, battery charges and generators
- Testing of each signal from plant source up to terminals in the SCADA equipment
- Red-marking of installation/commissioning drawings

Project: First Stage of SCADA/COMMUNICATION

Customer: ELTEL Networks Oy (Finland)

Years: 2008-2011

Performed works:

- Installation of cables (including fixing)
- Installation of OPAC cable in the pipe
- Works for DPLC (Hrazdan HPP - Sevan HPP)
- Works for the existing DPLC (SS Agarak - SS Shinuair)
- Works for the existing DPLC (Spandaryan HPP - Shamb HPP)
- Digging and preparation of the trench for the OPAC cable
- Civil works for DPLC
- Manufacturing and installation of foundations



Project: “Kajaran/Armenia.110/35/6 kV substation “Combine”

Customer: AREVA Energietechnik GmbH (Germany)

Years: 2009-2010

Performed works:

- Site supervision for installation part of the works

Project: “Kajaran/Armenia. 110/10 kV Substation “Aghats”

Customer: AREVA Energietechnik GmbH (Germany)

Years: 2009-2010

Performed works:

- Site supervision for installation part of the works