

Case: Water power stations automation, GPRS

Automation for 15 power stations along 500 km long river in Finland

Application

- measuring and automation of water power stations
- optimize the water levels for maximum production volume along the river
- target: to have a) local automation and b) wireless remote automation in all stations

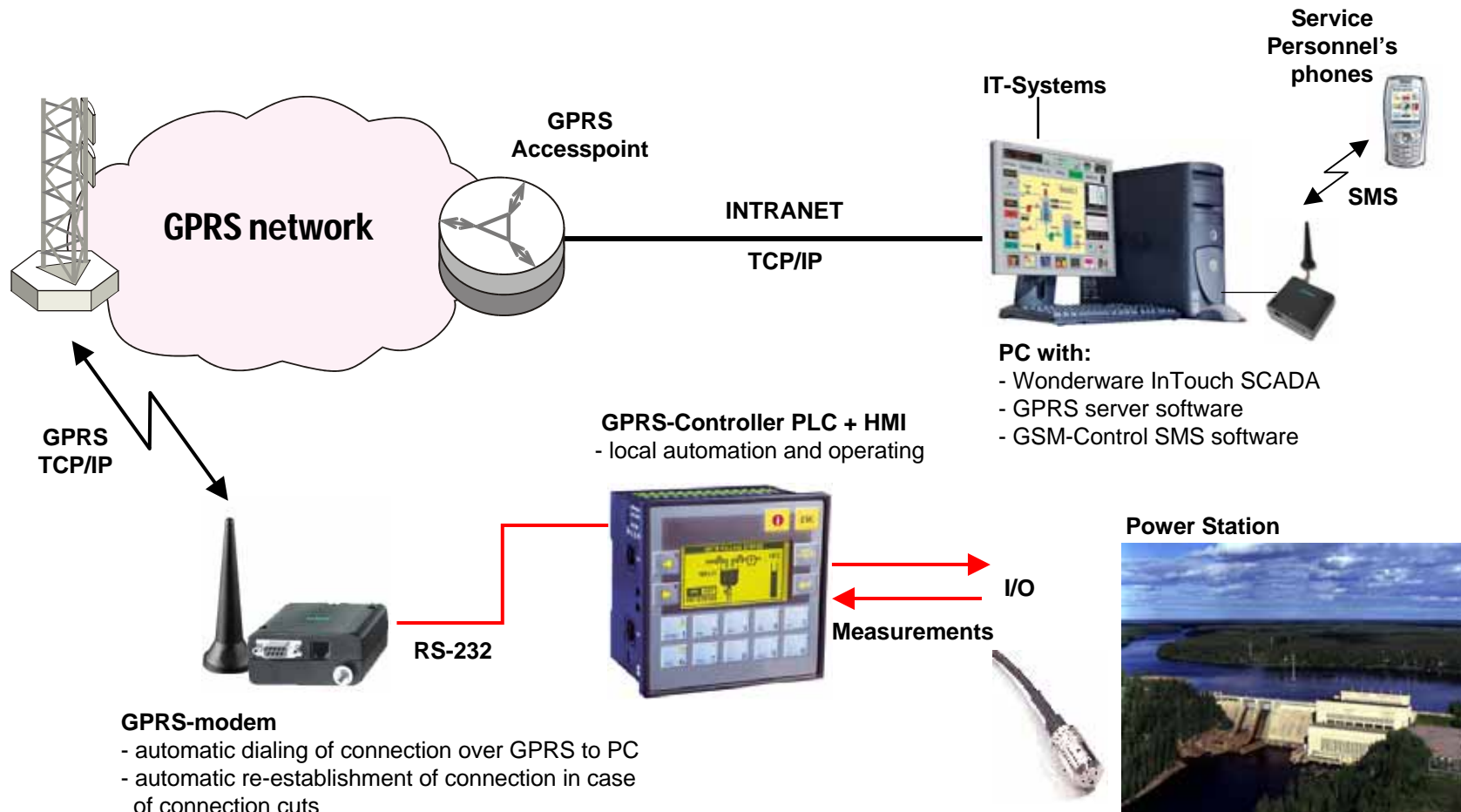
Solution

- GPRS-Controller PLC in each power station
- local automation with integrated graphic display and keypad
- realtime wireless connection over GPRS to central PC with GPRS-modem
- monitoring and reporting with PC, interface to energy company's IT-system



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Picture: testing of the system