

Success story

“WIRELESS CONTROL OF CAPACITOR BANKS COOPERATIVA ELÉCTRICA DE CURICÓ, CEC, CHILE”

JUNE, 2007



Wireless System

Because of Chilean electric norm, power factor correction is a need for Cooperativa Eléctrica de Curicó, CEC, Chile. Based on this, the company has decided to implement an improvement plan using the telecontrol.

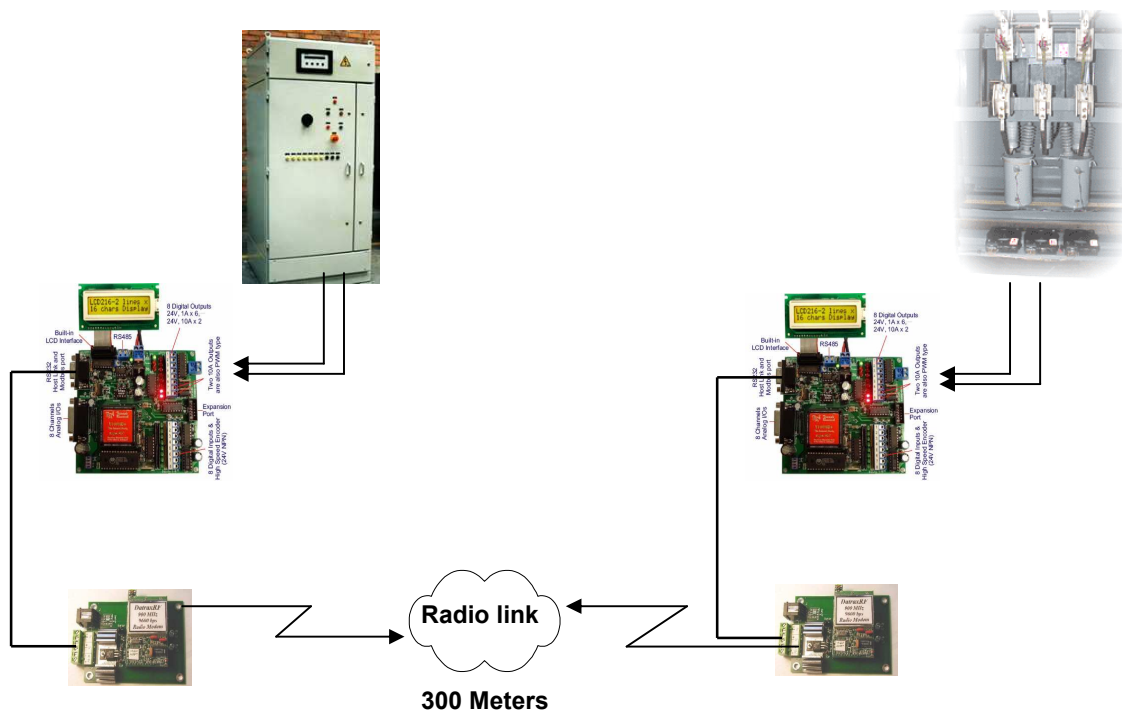
Recently the company **BC*INTECNIC** developed a project for the automation of dynamic power factor compensation, based on the connection/disconnection of capacitor banks.

Using our powerful wireless RTU, the company achieved a radio link of 300 Meters crossing the Panamerican Road, with mobile and fixed obstacles.

There is a PLC at the substation located at one of the sides of the road which receive commands from the “Disconnecting scheme under load” (Esquema de Desconexión Bajo Carga, EDAC) This performs the dynamic power correction every time the systems requires it. Located on one post , at the other side of the road, there is another slave PLC which excutes the closing and openings commands.

The system allows CEC efficiently manage the power quality of the service, fullfiling any requirement from local authorities. Huge savings in operative resources are expected since they only need to worry about the distribution system .

ARCHITECTURE.



Courtesy of : BC INTECNIC. To get contact info please send an email to sales@latin-tech.net