ICCP to IEC 60870-5-104 Protocol Gateway (SYNC 3000)

Case Study

CLIENT NAME	:	European Automation Major
PROJECT TITLE	:	ICCP / IEC 60870-5-104 Protocol Gateway

BUSINESS CASE

The client, a Major OEM in the RTU and SCADA space, required to provide ICCP connectivity to a control center which supports ICCP protocol, their SCADA System and IEC 60870-5-104 Protocol. The Kalkitech SYNC 3000 was used to achieve this requirement.

SOLUTION

The stated solution consisted of the following:

1. Kalkitech SYNC 3000 Protocol Gateway with 3 RS-232, 1 RS-485 and 2 Ethernet port.
2. EasyConnect Configuration Tool
3. OEM SCADA Software
4. OEM RTU
5. IEC 60870-5-104 Protocol Test Tool

The said OEM SCADA System was connected to the SYNC 3000 protocol converter over IEC 60870-5-104 protocol and the remote control center was connected on ICCP. The ICCP Blocks 1, 2, 4 and 5 were supported on the gateway and were suitably configured.

TOOLS USED

- Microsoft C Compiler

- Embedded Processor Development and Debugging Environment

- Test Harness IEC 60870-5-104 Test Simulator

- VC++ based Configuration Utility