

Case Study: 5x210 MW Power Station R&M

Provider Name : KALKI Communication Technologies (P) Ltd.

Client Name : Fortune 500 MNC OEM

Project Title : 5x210 MW Power Station R&M Project

The Problem

The client, a Major automation OEM for the Power Generation Industry, required to implement a control and instrumentation system for a 5x210 MW Thermal Power Plant R&M Project. This involved engineering, C&I and commissioning activities for new control modules as well as interfacing with existing hardware systems. Kalki Engineering Services Group carried out this work.

The Solution

The project was engineering and commissioning using the following hardware and software resources:

- ABB Advant DCS
- AC450 Controllers
- S800 I/O
- Advant Field Bus AF100
- Interface to Variable Frequency Drives
- Protection Relays
- Energy Meters
- Power Quality Meters
- DCS LAN Consisting of:
 - Engineering Station
 - AdvaCommand Operator Station on Windows NT
 - Advant Enterprise Historian

The MNC OEM supplied the necessary hardware and software required for engineering and commissioning the system. Kalki Engineering services group carried out the following activities including FDS preparation and approval, Engineering, FAT Preparation and Approval, Panel and Loop Checking, Erection Supervision, startup, Commissioning and Hand-Over to end-customer.