

Case Study: MIS Package for Captive Power Plant

Provider Name	:	KALKI Communication Technologies (P) Ltd.
Client Name	:	Fortune 500 Automation OEM
Project Title	:	MIS Software for Captive Power Plant

The Problem

The Client OEM, required for their Captive Power Plant Project at a Cement Plant, an MIS System, integrated with the ABB AC 800 F Controller. Kalki supplied the client, with a customized MIS Package, for integrating with the controller and achieving the customer specifications.

The Solution

The MIS Software is meant for use in Captive Power Plant. The process involves grinding and burning coal in the boiler to generate high-pressure steam, which shall drive the turbine. The turbine coupled to the generator; which generates power based on load requirements. The plant is divided into 3 sections namely:

- Boiler
- Turbine
- Auxiliaries (Coal Handling, Ash Handling, DM Plant, Cooling Condenser)

The MIS Package supported the following features:

Data Acquisition from Any DCS/PLC using OPC / DDE
Processing the acquired data as per integration requirements
Interface with the Level 3 System

Transfer the data from Plant Information system to ERP

Reports:

Viewing with MS Excel / Web Browser / Adobe format

Viewing the Trend based on the Historical data.

Viewing the Trend based on the Real-Time Data

Tools Used:

1. OPC Client Toolkit
2. VB/VC Programming Environment