

Case Study: MIS Package for Cement Plant

Provider Name : KALKI Communication Technologies (P) Ltd.
Client Name : Fortune 500 Automation OEM
Project Title : MIS Software for Cement Plant using AC 450 Controller

The Problem

The Client OEM, required for their Cement Plant Project, an MIS System, integrated with the ABB AC 450 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 Cement Plant. The process involves grinding Limestone into a fine mixture called raw meal and burning and calcinations of the raw meal into clinker. The clinker is again ground in the cement mills to produce cement. The plant is divided into 3 sections namely:

- Raw Mill
- Kilns 1 and 2
- Cement Mills (1 to 5)

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