

## Case Study: MIS Package for Cement Plant 2

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

### The Problem

The Client OEM, required for their Cement Plant, an MIS System, integrated with the ABB AC 800 M 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 for a 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