ISO 9001-2000 Certified

CONZERV™
Smart Energy Management

Excellence in Energy Management...
CASE STUDIES

A case study of an Cement Industry

This is a case study of a well known cement plant in Tamilnadu with a manufacturing capacity of 0.6 million tons. The main process involved here is limestone crushing, blending & preheating, clinckerisation & grinding and packing.

eLAN® Energy Management Network

The network was installed for monitoring the captive generation voltage & frequency and for incomer demand control and optimisation. The network was used to monitor and optimise the current grinding process.

Benefits:

The plant could achieve very good voltage and frequency co-ordination, which resulted in excellent Energy savings. The plant reduced their maximum demand and optimised their plant operations.

Payback :

Investment	Rs.9 Lakhs
Annual Savings	Rs.45.0 Lakhs
Payback period:	3 months

- Automobiles
- Beverages
- **Cement**
- Chemicals
- Engineering
- Fertilizers
- FMCG
- Glass
- Hotels
- Hospitals
- IT
- Paints
- Paper / Pulp
- Petrochemicals
- Pharmaceuticals
- Textiles
- Shoes
- Steel
- Shoes
- Wind Mills

After installation of Conzerv's eLAN® individual feeder consumption is monitored and benchmark is set for the each shop. The unmetered loads and the cable losses were identified.