

Cemex chooses Schneider Electric for their Electrical Monitoring System



CEMEX Mexico, an integrated building materials and cement producer, set up their Electrical Monitoring System in order to incorporate manufacturing plant energy consumption information and production data within the company's operations & energy report.

Back in 2001, Power Measurement Inc. (now integrated within our Power Business Unit) precisely possessed the technology CEMEX was looking for an Electrical Monitoring System development. "ION" energy & power management software and intelligent energy meters were chosen to form the core of CEMEX's Electrical Monitoring System.

What our PowerLogic ION products can do for you

Schneider Electric's Web-enabled PowerLogic ION Enterprise® Software is able to **communicate with hundreds of meters at a time** and can also **integrate information from other equipment** (such as PLCs or process control systems). It **displays real-time and historical electrical monitoring system information** on any computer within CEMEX's corporate network.

Real time electrical consumption information is available on CEMEX's global intranet "CEMEX Plaza" 24 hours a day, 7 days a week, to everyone who needs it.

For CEMEX's operations and its energy planning center, the Electrical Monitoring System is a key decision-making tool, **providing immediate access to information data base and reporting.**



Another contribution from the Electrical Monitoring System is the **demand control strategy implementations.**

CEMEX personnel now execute a peak-shaving production schedule that disconnects non-critical loads during peak hours and also manage power factor correction schemes that eliminate utility penalties.

Valuable historical data from the system provides detailed information from each monitoring point where maintenance managers can have a first hand indication of their equipment condition and performance. The preventive maintenance and corrective actions are conducted in a timely manner.

A worldwide success

With this success in the Mexico CEMEX's locations, the Electrical Monitoring System will be expanded to other plants in Europe, USA, Latin America and Asia. Now the system interconnects more than 1,000 meters in a global network around the world. All the system is providing CEMEX with strong capabilities facilitating energy contracts negotiations. Those financial benefits are being achieved as a result of a close coordination and commitment between operations and energy planning center functions.

Contacts: [Gabriela Montemayor](#) - PMC Business Development Engineer
[Alberto de la Garza](#) – Sales Manager, Strategic Accounts