Cosevco’s new plant, located in the province of Quang Binh, can be reached from Hanoi and Ho Chi Minh City by a one hour flight to Hue. From there, a three and a half hour drive along rice fields, where you can see the hard working farmers with their water buffalos, brings you to Tien Hoa. Another alternative is to drive from Hanoi to the site, which involves a 10 hour drive along the famous Highway 1. Travelling past the different vegetation from the north to the middle of Vietnam is an unforgettable experience.

During both trips, it is also possible to see the developments in infrastructure that Vietnam has accomplished over the last few years. Along the journey, bridges, new roads and buildings that have been accomplished over the last few years can be seen everywhere, thus demonstrating some of the reasons behind Vietnam’s huge demand for cement.

**Song Gianh Cosevco plant**
The 6km² area of the Song Gianh plant includes high quality limestone reserves and a river port. Site preparation began at the start of 2001 and by the time the contract was a signed at the end of 2002, excavation and pilling work had started. Deliveries were initiated at the end of 2003, in accordance with the contract schedule.

**The client**
Midland Construction Corporation (Cosevco) is located in Da Nang City, Vietnam.

Polysius, mechanical supplier, tendered the project in 2001 and Cosevco received offers in spring 2002. After an evaluation period, the negotiations between Polysius and Cosevco started in September 2002. The order was awarded to Polysius that same month, and to ABB as a subcontractor later that year in December.

**Project execution**
The coming-into-force of the contract and also the execution of this project were one of the fastest, if not the fastest, in Vietnam in recent years. The contract
was signed in September 2002 and came into effect only two months later. The plant has been producing cement since June 2006. This was only possible due to the excellent cooperation of all the parties involved. The Song Gianh plant incorporates state-of-the-art technology and is positioned in a strong and growing cement market. The outlook for this plant, situated in the middle of Vietnam, is extremely good.

**ABB's scope of supply**

ABB's scope of supply for the Song Gianh project included the following:

- medium voltage distribution (6kV)
- distribution transformers (6/0.4kV)
- power factor correction medium and low voltage
- low voltage distribution
- emergency diesel generator and UPS system
- Industrial IT control system
- motor and drives
- instrumentation
- power cables medium and low voltage
- control and signal cables
- electrical installation

**Control system**

The Song Gianh cement plant has implemented the first Industrial IT control system in Vietnam. This centralised control system allows continuous monitoring with a high degree of flexibility of the displayed data. The ABB control system interface to field devices, low voltage switchgear, speed variable drives and instrumentation is realised through a bus system network providing yet another access to valuable information that can be used in the ABB Knowledge Manager (Management Information System) for various uses from the maintenance level to the high management.

A profitable cement factory is depending on a stable control system, efficient energy consumption as well as a trained staff for operation and maintenance purpose.

At the Song Gianh cement plant, ABB power equipment combined with ABB Industrial IT and optimisation packages, designed and engineered by experts of ABB, are maximising the client's investments.