

# **KORONA**

## **L a f a r g e C e m e n t i n T r b o v l j e**

New fuel gas desulphurisation plant  
Electrical design, Measurements, Automation, Erection



### **INVESTOR**

Lafarge Cement d.d.  
Trbovlje, Slovenia  
<http://www.lafarge.si>

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2006 - 2008

## SCOPE OF WORK

Lafarge Cement is building a new fuel gas desulphurisation (FGD) plant, which will be an extension to the cemetery plant LAFARGE Trbovlje. The commissioning of the plant is foreseen for the middle of year 2007.

Carrier of the whole project is a company Austrian Energy and Environment, with KORONA as their local partner that had undertake the following works:

- electrical design,
- measurements,
- automation and
- erection.

The electrical system as well as the process control system for the FGD plant will be integrated in the existing electrical distribution respectively in the existing plant control system. For this purpose and for operator comfort the same HMI surface and the same control hardware and software will be used.

The FGD is designed on the basis of a limestone washing suspension, which is the most frequently used process around the world. The project focus is the reduction of operating costs by means of increased plant efficiency by means of flow mechanics calculations (computational fluid dynamics - CFD), as well as improvements in chemical SO<sub>2</sub> absorption.

