



## **HOLCIM BULACAN PLANT**

### **Installation of On-line Oxygen Analyzer at Calciner Exhausts of Preheater to Improve Leaks Management**

#### **SUMMARY OF THE OPTION**

HOLCIM (formerly Union Cement Corporation) Bulacan plant located in Bulacan, Philippines, and produces about 1.9 million tons of cement per year. A material and energy balance of the pre-heater showed that heat was lost through air leaks. Many leaks were repaired as part of maintenance activities during a plant shutdown in December 2004, and significant reductions in air leaks was observed resulting in lower coal consumption. In addition, the fan power at the Separate Line Calciner (SLC) and In-Line Calciner (ILC) is also optimized. To improve leak monitoring and management in the future, it was recommended to install an on-line oxygen analyzer at the SLC and ILC exhausts. At time of writing of this case study, this option was under consideration.

#### **KEY WORDS**

Cement, Philippines, Oxygen, Calciner, Preheater

#### **FOR MORE INFORMATION**

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