

Press Release

Bypass system at LafargeHolcim Kujawy (PL) will be upgraded by A TEC

To reduce the chlorine contents without causing substantial thermal losses in the kiln line **LafargeHolcim** awarded A TEC a contract for upgrading its existing **REDUCLOR® Bypass in Kujawy**. Based on detailed computational fluid dynamics (cfD) and process simulations the existing bypass rate will be expanded from 5 to 10%. This increase of the bypass rate has been realized under the precondition to keep the existing main equipment of the bypass such as bypass filter and bypass filter fan. The project will be commissioned in spring 2017.

REDUCLOR® Bypass

Modern suspension preheater kilns frequently face substantial problems of coating by dust deposition in kiln riser ducts, meal pipes, ducts and cyclones due to excessive contents of **Chlorine (Cl)** in the kiln system. A TEC's bypass **REDUCLOR®** consists basically of a take-off chamber above the kiln inlet, specifically designed for each installation and a specially designed quenching chamber where the Cl condensates on and adheres to the fine dust particles. After this condensation process the Cl-enriched material is collected in a filter.

About A TEC

A TEC Production & Service GmbH is an engineering and technologies company located in Austria. It is focussed on **optimization and efficiency improvement of cement plants**. In total, A TEC has successfully completed more than 450 cement plant optimization projects.

Part of modern cement plant operation is the usage of **alternative fuels**. A TEC can offer the complete AF system for nearly any kind of solid and liquid waste materials including material handling, preparation, storage and feeding into the kiln.

Besides A TEC's core business of cement plant optimization, A TEC provides **consultancy and overall project management and supervision** for Greenfield and Brownfield projects (e.g. *EPCM*), including assistance in tendering process and assistance with environmental and other local norms and standards.

FACTBOX

- A TEC will upgrade REDUCLOR® Bypass at LafargeHolcim's plant in Kujawy (Poland)
 - Bypass rate will be doubled from 5% to 10%
 - Equipment has been supplied
 - Commissioning will take place in spring 2017.

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