

Press Release

A TEC will deliver REDUCHLOR® CI-Bypass System in the United Kingdom

To reduce the Chlorine content in the kiln system to allow an increase of the TSR (thermal substitution rate) in the kiln line of the plant in **Tunstead**, United Kingdom, **Tarmac Ltd.** (a **CRH** company) awarded A TEC a contract for the implementation of its innovative **REDUCHLOR® Bypass**. This will enable the kiln line in the Tunstead quarry to use high amounts of alternative fuels in a sustainable way for the process. A TEC will also take care of the bypass dust handling, therefore a separate, new, bypass dust silo is included in A TEC's scope as well as an integrated dust management and handling system within the plant. The project will be realized during 2021-2022 and commissioned mid of 2022.

The scope of supply for this order includes the whole engineering and equipment supply incl. the required supervision services.

Tarmac Ltd. is one of the leading manufacturers of high-quality cement in the United Kingdom. The plant at Tunstead Quarry has a clinker production capacity of 2800 tpd. By using the REDUCHLOR® Bypass the plant will be able to use high rates of alternative fuels with elevated Cl content.

REDUCHLOR® 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 **REDUCHLOR®** 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 install its REDUCHLOR® Bypass at Tarmac Ltd. Tunstead, United Kingdom
- Scope of supply: Engineering and Mechanical equipment Supply
- Expected impact: increase of alternative fuel feeding with elevated Cl content
- Modifications finished by Q2/2022

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