

150 Years Engineering

2009 will be a special year for Polysius, as it will mark the 150th anniversary of the company's establishment by G. Polysius. A lot has changed since then, but one thing has remained constant: Quality made by Polysius.

Two major orders from Africa attest to the great confidence of our customers in the capabilities of Polysius.

Cement for Namibia

2,100 tpd cement production line
Otavi/Namibia

Ohorongo Cement Pty. Ltd., a member of the Schwenk Zement KG Group of Ulm, selected Polysius as its partner for the supply and construction of a 2,100 tpd cement production line.

The new plant will be constructed in the vicinity of Otavi in northern Namibia. This location is an ideal cement production area, due to its limestone deposit and good road and rail access.



Large picture Final assembly work on the DOPOL® preheater, which is the highest structure in Honduras.

Fig. 1 In the foreground: the raw grinding plant with QUADROPOL® and the DOPOL® preheater.

Fig. 2 Panoramic view over the new cement production line of Cementos del Norte.

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The new line, which is due to commence production in 2010, is the country's only cement factory and its construction therefore sets an important milestone for Namibia.

The plant, which is to be constructed on a turnkey basis, will consist of the following main components: ● a 600 tph limestone crusher, ● a circular blending bed, ● a 160 tph raw meal grinding plant equipped with a roller mill, ● a tangential blending silo for 7,000 t of raw meal, ● a kiln line consisting of a 5-stage DOPOL® '90 preheater with PREPOL®-AS-MS calciner, a POLRO® rotary kiln and a POLYTRACK® clinker cooler, ● a 55,000 t clinker silo, ● and a cement grinding plant consisting of two 65 tph 2-compartment mills and two SEPOL® high-efficiency separators.

The produced cement will be buffer stored in ● three 7,500 t cement silos. The bags leaving the ● cement packing facility will be stacked on pallets and wrapped in protective foil. Fuel preparation will be handled by a ● 15 tph coal-grinding roller mill.

The new plant will be controlled by the ● POLCID® NT master process control system.

A ● POLAB® laboratory automation system will assure product quality in every phase of the process.

3,600 tpd clinker production line for Tunisia

Tunis/Tunisia

Société SOTACIB-Kairouan S.A. has contracted Polysius to supply a 3,600 tpd clinker production line. The new line will be constructed in the vicinity of Kairouan in Rouissat, Tunisia.

The plant will consist of the following components: limestone crusher, online analyser, blending bed, additives store, 280 tph raw meal grinding plant with roller mill, tangential blending silo, kiln line (2-string, 5-stage DOPOL® '90 preheater with PREPOL®-AS-CC calciner, rotary kiln and POLYTRACK® clinker cooler), clinker store, 190 tph cement grinding plant with ball mill and SEPOL®, high-efficiency separator, 5-cell multi-cell silo for cement storage, petcoke/coal grinding plant with ball mill and SEPOL® high-efficiency separator (coal output 21 tph) and a cement packing facility.

A POLAB® laboratory automation system rounds off the new plant equipment.



Polysius news

At the Rio Bijao cement factory in Honduras, owned by Cementos del Norte, Polysius has constructed the turnkey 3,300 tpd cement production line containing ultramodern Polysius technology from the raw material grinding system up to the cement grinding system.

The innovative plant concept, involving both the installation of new equipment and the incorporation of existing plant sections, represented a major challenge.

Polysius AG

Graf-Galen-Straße 17, 59269 Beckum / Deutschland
Tel.: +49 - 25 25 - 99-0, Fax: +49 - 25 25 - 99-2100
E-mail: polysius@thyssenkrupp.com

Polysius

A company of
ThyssenKrupp Technologies



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