

150 Years Engineering

150 YEARS OF POLYSIUS

For Polysius, the ability to repeatedly convince the international markets with outstanding products and services is both decisive and simultaneously the recipe for 150 years of successful company history, which will be duly celebrated in October.

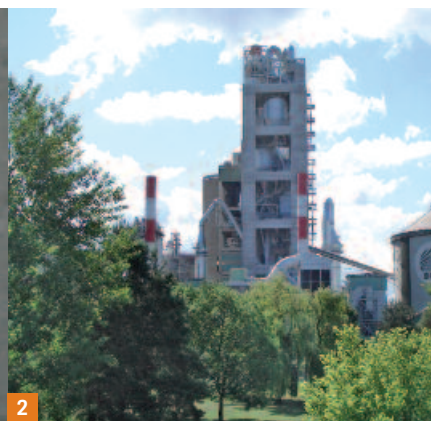
Currently, our orders in Hungary, Turkmenistan, India and China document the confidence of our customers in the capabilities of Polysius.

3,000 tpd cement production line for Turkmenistan

Istanbul / Turkey

Almost 80 % of Turkmenistan's territory consists of the Karakum desert, an area of both sand and boulders. The country possesses significant oil and gas reserves.

The Turkish company Polimeks Insaat Taahhüt ve San. Tic. A.S has been contracted by the government of Turkmenistan to act as general contractor for the construction of a new 3,000 tpd cement production line. The plant, for which Polysius is supplying the main components



Large picture New 4-stage DOPOL® preheater with PREPOL®-MSC at Duna Drava Cement in Hungary.

Fig. 1 Modernised rotary kiln with new POLYTRACK® clinker cooler.

Figs. 2 and 3 Impressions of the modernised kiln line.

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from the raw material preparation system to the cement grinding system, is to be constructed near the town of Jebel, about 140 km from Türkmenbashi harbour.

The scope of supply includes a circular blending bed for 30,000 t of limestone, an additives store, a 230 tph raw meal grinding plant consisting of a single-compartment mill with SEPOL® separator and a tangential blending silo for 10,000 t of raw meal.

The kiln system consists of a 5-stage DOPOL® '90 preheater with PREPOL®-AS-CC precalciner, the rotary kiln with POLFLAME®-VN clinkering zone burner and a POLYTRACK® clinker cooler. The clinker will be buffer stored in a 50,000 t clinker silo before being fed to the two cement grinding plants. Each grinding plant, consisting of a two-compartment mill and SEPOL® separator, will have a rated cement output of 125 tph.

A POLAB® laboratory automation system will perform the quality monitoring and control functions.

Modernisation of cement grinding plants at Vasavadatta Cement Hyderabad / India

After Polysius successfully modernised the

grinding plants of kiln lines 3 and 4, Vasavadatta Cement (a member company of Kesoram Industries Ltd.) has awarded a follow-up order for modernisation of the grinding plants of kiln lines 1 and 2 of the Sedam factory.

In the case of kiln line 1, a POLYCOM® (2 x 1,018 kW drive) equipped with a SEPOL®-HR static-dynamic separator will be installed upstream of the existing ball mill. In the cement grinding plant of kiln line 2, the static separator will be replaced by a SEPOL®-HR separator.

After conversion the grinding plants will each produce 300 tonnes of cement per hour.

Two granulated blast furnace slag grinding plants for China

Nanjing / China

Nanjing Nangang K.Wah High Tech Materials Co. Ltd. has contracted Polysius for the supply of two roller mills for granulated blast furnace slag grinding.

Both grinding plants will have a rated output of 90 t/h of ground blast furnace slag with a fineness of 4,300 Blaine and will be installed at the Nanjing steel works in mid 2010.



Polysius news

Since the middle of this year, the Beremend / Hungary plant of Duna Drava Cement (a member company of HeidelbergCement AG and Schwenk Zement KG) has been in operation.

The modernisation work had the purpose of boosting the plant's clinker output from 1,500 to 3,450 tpd and increasing the usage of secondary fuels.

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POLYSIUS

Cement Report

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