

PRODUCTS

Italcementi: "Transparent cement" for the Italian Pavilion in Shanghai

A new type of cement has been set up which, by bonding special resins into a newly designed mix, makes it possible to manufacture solid, insulated, yet light-transmitting, construction panels. The new i.light® "transparent cement", used to build the Italian Pavilion for the World Expo 2010 opening in Shanghai on May 1st has been presented at the Triennale Museum in Milan.

The new material has been developed by the Italcementi Group to meet the project needs of the building that will represent Italy in China during the six months of the International Exhibition. The researchers explained that the resins – if adequately inserted in the cementitious material – have greater transparency than the optical fibres used experimentally in this field but also cost much less, so they can be used on a large scale.

Further information: www.italcementigroup.com

Siemens improves Cemat process control system

The Siemens Industry Automation Division has equipped version 7.1 of its Cemat process control system for the cement industry and associated sectors with multiple new functions. An enhanced signaling and diagnostics concept is designed to reduce plant downtimes as well as operating and maintenance costs, thus increasing plant availability and productivity. Cemat is based on the current version 7.1 of Simatic PCS 7 and offers all the performance features and functions of the process control system, such as APC (Advanced Process Library) and Alarm Control. Alarm Con-



rol is a freely-configurable signaling system integrated in the operator system for effective message display and processing. Interrupts can be individually filtered, for example, or they can be exported for better analysis of critical plant states. Of the new maintenance functions, it is the web-client diagnostic information via Web Server for the easy transmission of maintenance data via LAN, SMS or email which takes center stage.

Other new functions of the Cemat version 7.1 include the listing of by-passed process signals, the display of corre-

sponding groups and routes for all process objects and object-granular alarm acknowledgement. In addition, the faceplates and trend views have been reworked. Another new feature is the tracking of signals and signal state values across block boundaries, which allows the operator to react quickly to potential errors. The latest Cemat version is compatible with all previous Cemat versions since version 1.8 going back to the year 1978.

Further information: www.siemens.com/cemat

Intensiv-Filter: new ProJet smart® compact filter presented at Powtech

Intensiv-Filter, the German dedusting specialist, presented the new ProJet smart® compact filter fitted with ProTex energy-saving filter media at Powtech 2010. An optimized compact filter that can be tailored to suit specific applications has been developed with the aims of process optimization, cost reduction and economic efficiency. This new compact filter is equipped with attached fan and noise suppressor as well as the associated control system for the cleaning and represents a rapidly available and low-cost dedusting solution. The ProJet smart® is designed as a compact filter with dust collection chamber or as a top-mounted filter with optional bypass damper in a modular system and is based on four filter heads that are combined with four filter bag lengths. This system can provide filter areas between 20 and 40 m², corresponding to a range of air flows from 1 000 to 17 000 m³/h. The

reduced pressure drops due to the use of the ProTex filter medium means that the operating costs of filter plants from Intensiv-Filter are up to 40 % lower than with conventional bag filter systems. However, with ProJet smart® the emphasis is not on lowering the operating costs but on increasing the filter area loading and thereby reducing the size of the filter for the same operating costs as under standard conditions.

Further information: www.intensiv-filter.com

New Motorized Pulley 1000 HD, 1000 mm diameter

The RULMECA 1000HD motorized pulley is a reliable, strong and highly developed drive with a power range of 160 to 250 kW. It is able to take a high radial load and is robust in

