



Technical workshop:

Process knowledge empowers product development

Date: Wednesday, 13 February 2013

Duration: 09.00 - 13.00h

Location: Medina Room, Four Seasons Resort

At Cemtech Middle East & Africa 2013 meeting, Dr Michael Clark, Technical Consultant of International Cement Review, will provide an expert half-day tutorial under the theme of: *“Process knowledge empowers product development.”*

Workshop overview

A principal strategy being pursued by cement companies throughout the world is the production of blended cements. This is part of a wider trend to produce and use a range of “binders” rather than pure Portland cements. For a cement company this boosts the volume of its sales and therefore profits, but there are many concrete and mortar applications where these blended cements and binders also give better performance than pure Portland cements. This workshop will explore the fundamental requirements for a successful blended cement strategy.

The first and foremost requirement is to produce the most reactive cement clinker possible. The more reactive the clinker, then the lower can be the clinker content in the blended cement to produce the required strength class. Producing the most reactive clinker possible relies on the control and optimisation of the real mineralogy of the clinker. Real clinker mineralogy must be monitored and the cement kiln process adjusted to control and optimise that mineralogy. The workshop will explore the technology behind that cement kiln process adjustment to control and optimise clinker mineralogy.

The second and equally important requirement is to tailor the clinker reactivity to the other components such as GGBS, PFA, silica fume, volcanic tuff, etc. Which binders are suitable for particular applications and why? How do they deliver tailored concrete properties appropriate to particular applications? How can the cement manufacturing process and clinker mineralogy be adjusted to maximise the potential of the blended cements produced with the different other components available in different parts of the world?

The technical workshop is free of charge (subject to availability) to delegates attending the conference and is limited to a maximum of 30 participants.

For more information, or to register online for Cemtech Middle East & Africa 2013, see:

www.Cemtech.com/MEA2013