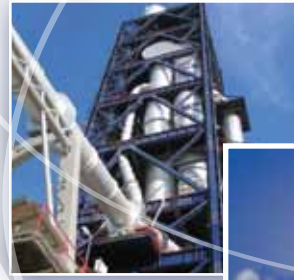


Cemtech Technical Workshops

Istanbul, Turkey

1-3 October 2014



*A three-day training workshop on international cement manufacturing technology
for management and technical staff led by Dr Michael Clark.*

Wednesday, 1st October 2014

Cement manufacturing technology

Topics covered in the workshops will include:

- In-depth review of core technologies and processes
- Evaluating best available technologies
- Raw material preparation and processing from quarry to kiln
- Raw materials for cement manufacture and their processing
- Pyroprocessing and chemistry in the kiln – converting the raw material mixture into cement clinker
- Grinding the clinker into cement and quality assurance

Thursday, 2nd October 2014

Optimising the production of cement

Topics covered in the workshops will include:

- The optimisation priorities of cement manufacturing
- Cement production cost minimisation
- Resource and energy efficiency
- Benchmarking operations and optimising the output of your plant
- Maximising the productivity of the cement manufacturing process and equipment
- Process automation and approaches to model predictive control

Friday, 3rd October 2014

Current and future challenges of cement manufacturing

Topics covered in the workshops will include:

- Sustainability and maintaining the license to operate
- Production of low-CO₂ cements with slag, fly ash and other SCMs
- Alternative fuels: maximising their use and impact on the cement production process
- Meeting the environmental challenges of cement manufacturing – emissions control and abatement for dust, NO_x, SO_x, mercury

For more information, see: www.Cemtech.com/Europe2014/Workshop

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Training format

The format of this three-day technical training workshops will be a series of classroom-based lectures provided by Dr Clark, interspersed with exercises to illustrate and practise the concepts discussed in the lectures. Open discussion forums will be encouraged following each lecture and exercise. The exercise will be largely Microsoft Excel based therefore participants should bring their laptop or arrange to complete the exercises jointly with another participant.

Who should attend?

The workshops will be of interest to cement plant operational personnel, including plant managers, production managers, process engineers and quality control managers, environmental managers, etc.

Course participants can expect to:

- Develop deeper knowledge of the theoretical underpinnings of cement manufacturing technology
- Develop new techniques for the optimisation of your plant
- Improve management and efficiency of the cement production at your works
- Network with peers

Venue and accommodation

The training course will take place at the Conrad Hotel, Istanbul. A special discounted room rate of EUR212.00 per person per night will be available to those wishing to stay in the Conrad Hotel. For other hotel recommendations at different budget levels, please contact the organisers.

Registration fee

- EUR1145.00 per participant
- 10% discount for groups of three or more.

Participants will be provided lunch and refreshments on each day of the training course.

For details on the programme, fees and workshop registration, visit: **www.Cemtech.com/Europe2014/Workshop**

Course tutor biography

Dr Michael Clark is a leading cement plant operations and technology specialist with over 40 years of experience in the cement industry.

His skills cover the whole process of cement manufacturing from quarry planning, through clinker production, cement manufacture and distribution. He is regarded as leading international expert in problem identification, efficiencies and improvements throughout the manufacturing process.

With a PhD in the manufacture of white cement, Dr Clark's career highlights include senior operational positions within Blue Circle Industries and ABB Linkman Systems Ltd, after which he founded Whitehopleman (UK), an international consultancy specialising in the cement industry. In addition, Dr Clark is Technical Consultant for International Cement Review magazine and moderator of the CemNet.com e-Learning suite of training courses.

Dr Clark has worked in over 30 countries around the world in Asia, Africa, Australia, the Americas, Eastern Europe and the Middle East.

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