

# Cement Consultancy Associates

## Your alternative fuels partner



**Cement Consultancy Associates (CCA)** is an independent group of professionals specialising in the global cement and lime industry. CCA provides consultancy services to manufacturers, governments, international lending agencies and commercial interests. We also offer cement process expertise to international engineering companies.

### Thinking about alternative fuels?

The use of alternative waste fuels in cement kilns, as part of a total fuels strategy, will have significant financial benefit for cement plant operators. The transition to the use of alternative fuels, however, needs careful consideration, analysis, management and technical support to implement the various stages required to realise the full potential of this valuable fuel source in the 21st century.

Cement Consultancy Associates has the expertise to provide a range of professional and technical services to assist operators in the smooth transition of an alternative fuels policy into the day-to-day operation of a cement plant.

**'As the planet moves towards setting up sustainable low-carbon societies, the cement industry is being asked to play a role. The use of alternative waste fuel makes a valuable contribution.'**

### What we offer

#### Total waste fuels management

- Sourcing of waste streams suitable for fuels
- Processing of wastes into fuels
- Quality assurance
- Waste fuels implementation and plant operation
- On-going support and training

#### Development of an alternative fuels strategy

- Survey and analysis of waste streams
- Process analysis and kiln performance modelling
- Specifications for waste fuels
- Feasibility studies and cost-benefit analysis
- Environmental studies and impact assessments
- Quality control procedures
- Design of fuel reception, storage, blending and dosing systems
- Specifications for the process, equipment, control system philosophy
- Operational trials of waste fuels
- Operational procedures and safety training
- Liaison with local communities and national authorities

#### Project management

- Overall management of waste fuels projects
- Project engineering
- Procurement management
- Site supervision

# Cement Consultancy Associates

Impartial

| Authoritative

| Exceptional

## CCA and alternative fuels

The need to reduce fuel costs has resulted in the development and use of an extensive range of alternative fuels suitable for combustion in the cement kiln. These fuels offer cement companies an opportunity to make a significant contribution to the quest for a sustainable society whilst at the same time remaining competitive.

CCA provides an integrated comprehensive range of services to assist plant operators develop an alternative fuel strategy that ensures continuity of supply, safe operation and cost reduction without detriment to production levels or quality.

## Why choose CCA?

Our consultants have:

- Developed strategies for fuel cost reduction using waste fuels
- Designed, constructed and commissioned all types of waste fuel installations
- Converted cement plants from 100% fossil fuel to over 80% waste fuel
- Developed strategies for CO<sub>2</sub> trading
- Experience in procurement of traditional fuels and waste fuels
- Developed and managed waste treatment plants to supply waste fuels



## CCA and globalisation

The modern cement industry is highly internationalised and the importance of understanding the various cultural and business approaches for a successful assignment cannot be exaggerated. CCA has extensive experience of managing projects in which staff drawn from all corners of the world co-operate.

We have direct experience of working with process contractors from Europe and North America, and more recently China, in all types of contract structures.

Our consultants have undertaken many global assignments and are flexible, adaptable and keen to work sympathetically with local clients and communities.

For more about our current and recent work, ask for a copy of our brochure or visit our website [www.cementconsult.co.uk](http://www.cementconsult.co.uk)



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