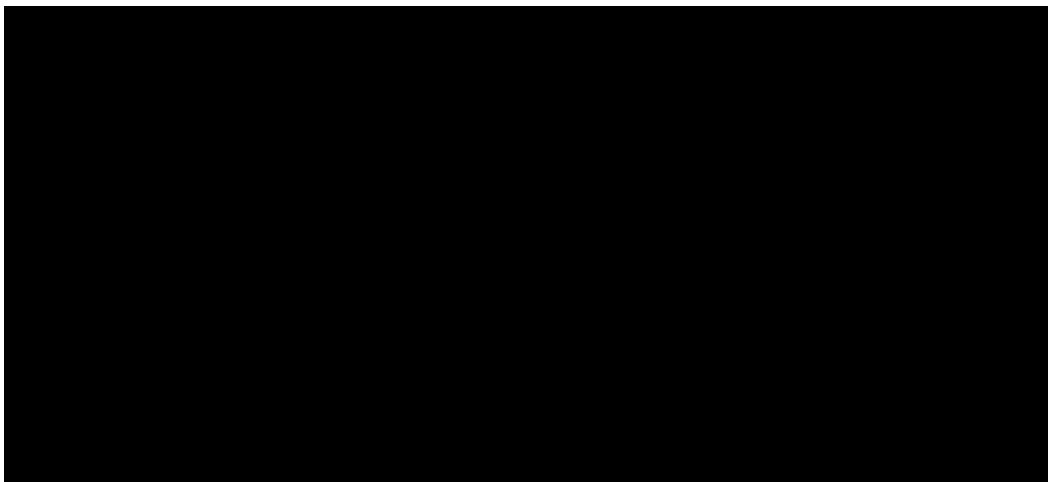
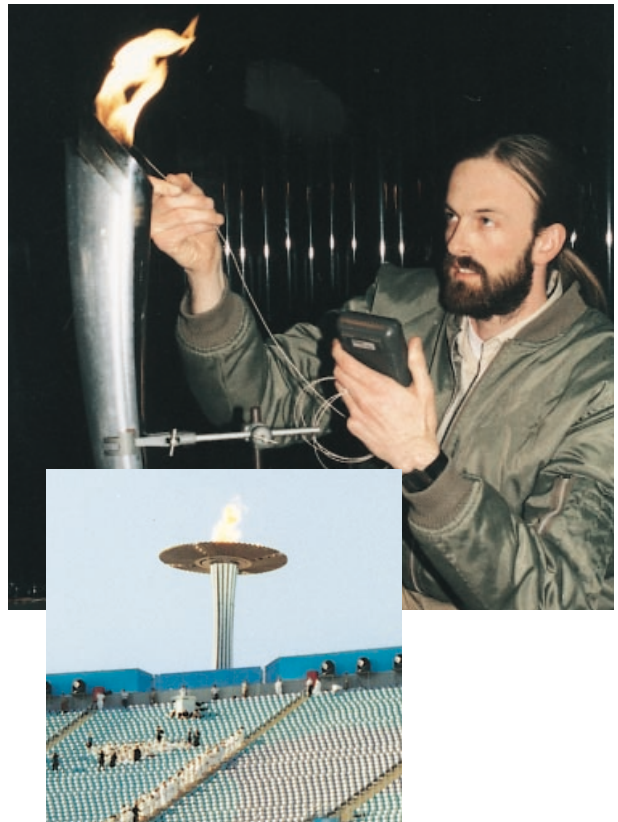
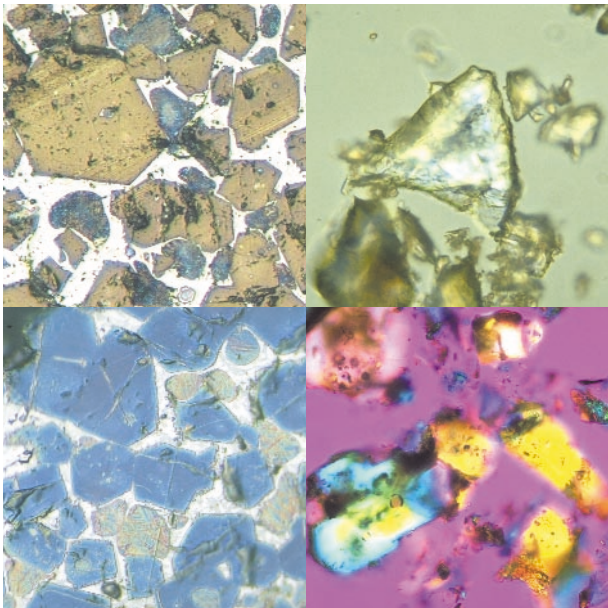


About FCT.



Introduction

- Leading-edge combustion technology
- Revolutionary process control technology
- Mineral processing industry expertise
- Customer benefits focused
- Long term relationships



Give your plant the edge.

FCT delivers advanced solutions to its clients.

The company's expertise gained world-wide attention when it designed and manufactured the cauldron for the Sydney 2000 Olympics. It also designed the Relay Torches.

FCT-Combustion has supplied leading-edge combustion equipment and consulting services since 1984. FCT-ACTech offers revolutionary

mineral processing control technology.

A technical focus means that FCT clients can rely on cutting-edge solutions. The company's links with research partners such as CSIRO and Adelaide University continues to expand FCT's ability to deliver advanced and cost effective solutions.

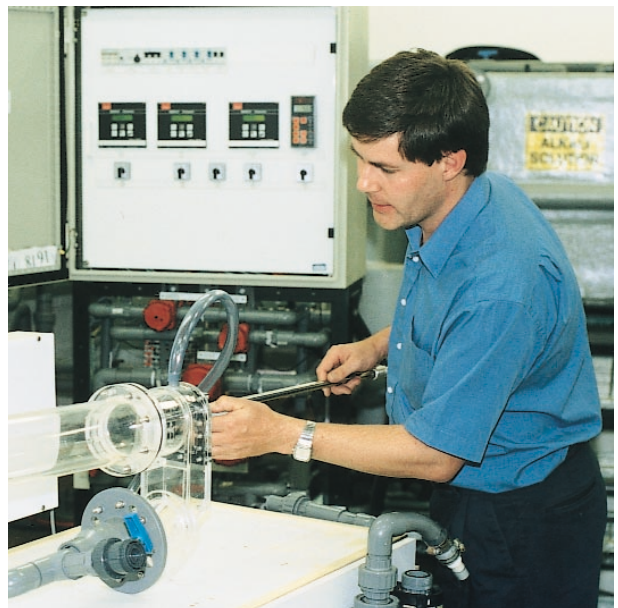
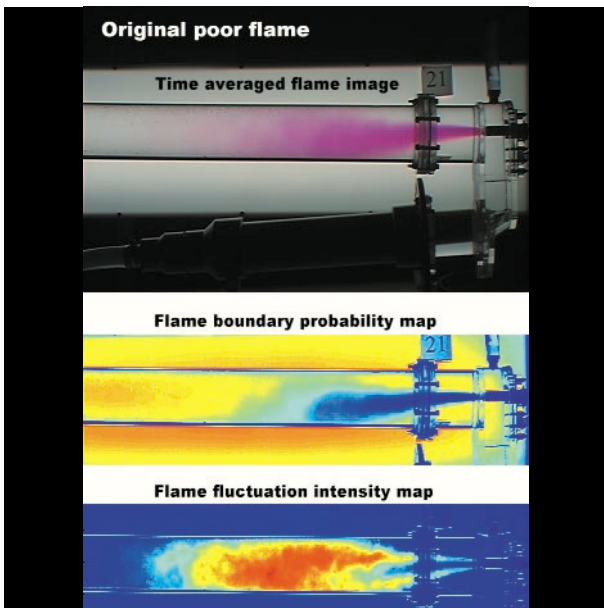
FCT doesn't just use technology to solve a client's problems – we are driven by it. FCT's clients soon share

the company view that technology is the best way to optimise plant efficiency and product quality.

FCT's consulting experience means that we approach plant optimisation tasks with an expert eye. This, coupled with our leading-edge technology means we deliver solutions that boost our clients' bottom lines.

Combustion Consultancy

- Combustion process optimisation
- Environmental compliance
- Equipment Reviews and Safety Audits
- Site Surveys and benchmarking
- Commissioning and Training



Value adding combustion and process solutions.

FCT-Combustion offers process and combustion consulting services. Specially designed site equipment is used to gather reliable on-site measurements for use in FCT studies.

FCT uses a variety of sophisticated modelling techniques to solve combustion problems in rotary kilns and calciners. These techniques include validated Mathematical, Water Visualisation, Acid-Alkali and CFD

modelling.

Our objectives are aligned with customer needs and include:

- Reduced fuel consumption
- Increased production
- Improved refractory life
- Reduced ring formation
- Improved product quality
- Reduced emissions

FCT-Combustion has achieved significant combustion operational

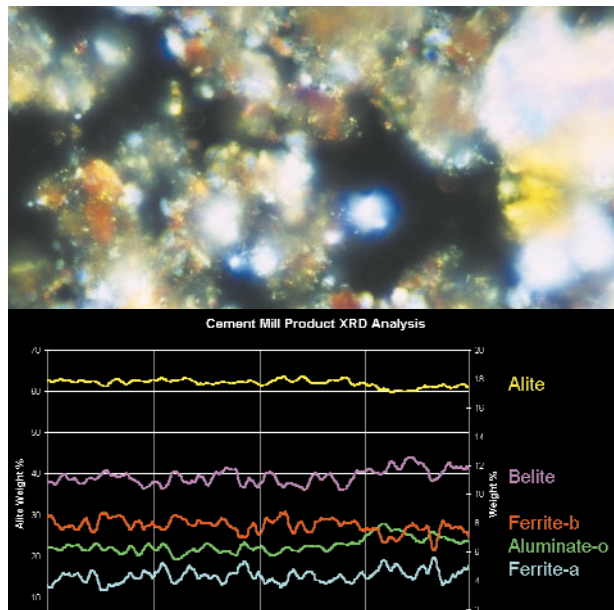
improvements for clients in the cement, lime, alumina and mineral processing industries. The company's combustion knowledge base is continually growing through a close working relationship with Adelaide University.



ACTech

On-line XRD

- On-line direct measure of mineralogy for crystalline minerals
- Product performance predicted and controlled
- Optimisation of upstream processes
- Automatic control for blending weighfeeders
- Automatic control for kiln burning conditions



Continuous On-Line XRD – Working for you 24 hours every day!

FCT-ACTech's On-line Continuous XRD technology provides clients with the true mineral phase analysis of a flowing material stream passing through the machine. Important quality parameters can be monitored as the product is produced. Analysis happens in real-time on the plant floor enabling operating trends to be charted and timely control action taken.

In just ten minutes the continuous

on-line XRD analyser will analyse the same amount of product that would take automated lab testing 48 hours. The technology can be used to automatically control plant operations producing very consistent product quality.

FCT-ACTech's XRD mineralogical analysis allows correlations to be established between mineral composition and product performance.

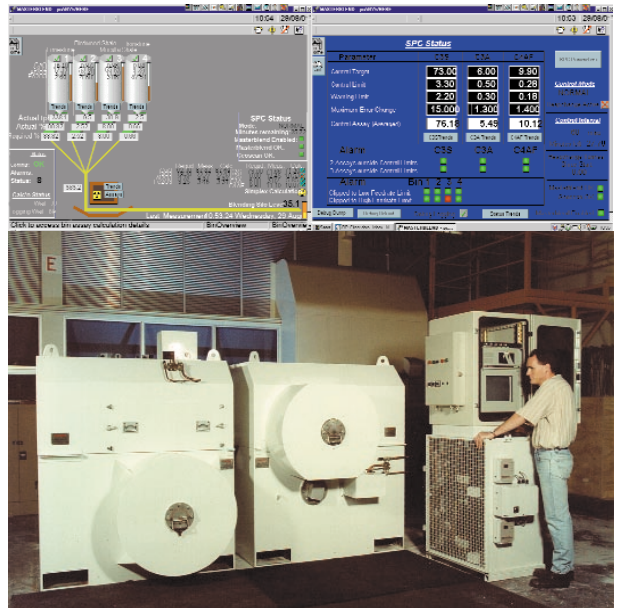
Important mineral phases and phase changes can be monitored in the plant as the product is produced.

Superior on-line quality control systems can be implemented that will delight the market and optimise production costs.



ACTech Control Technology

- Continuous On-line Real Time analysis
- Plant and quality control action in real-time
- On line Elemental Analysis
- Blending Control Software
- Reduced operating and testing costs
- Improved quality assurance



Quality and Process Control in a single on-line system.

FCT-ACTech has developed unique continuous analysis technology for on-line in-plant use in continuous processing industries. This advanced equipment monitors and controls critical product quality parameters.

XENA is another exciting control technology from FCT-ACTech. A Cross Belt Elemental Neutron Analyser, it employs advanced nuclear physics to analyse raw material chemical

composition of a moving material stream travelling on a conveyor belt.

Masterblend, FCT's proprietary software, has been developed to operate in conjunction with Xena and XRD.

These unique technologies can be used to control stockpile composition, monitor material and control composition of blended material streams.

Contact FCT now to reduce your plant's combustion related operating costs and improve product quality. Boost your bottom line!

email: info@fctinternational.com

