

# EXAMPLES OF CSRP ACHIEVEMENTS



Centre for  
Sustainable  
Resource  
Processing

## JKRBT – Rotary Breakage Tester (pictured)

- Demonstration unit built at JKMRRC
- Pre-commercial plant commissioned at site
- Five more built and to be delivered in March 2008



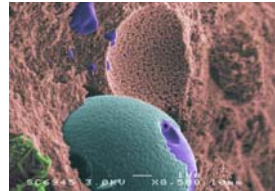
## Dry Granulation/Heat Recovery

- Concept development
- Techno-economic evaluation
- Lab-scale test & CFD modelling
- Design and construction of prototype
- Small-scale demonstration plant
- Site plant trial planned



## Geopolymer Concrete

- Tri-scale analysis (macro, micro, nano)
- Small scale fabrication
- Larger scale trials planned to demonstrate significant utilisation of industrial residue



## ReSand<sup>®</sup>

- Installation of a 10 t/hr pilot plant for sand production (pictured)
- Planning for road based trials is underway



## People

- Research capacity development
- Postgraduate and undergraduate students
- Professional development (pictured)
- Community outreach



## Sustainable Development Tools and Techniques

- **SUSOP<sup>®</sup>** **SUS**tainable **OP**erations – a developing management tool for incorporating sustainability principles into plant design and operation
- Development of an internationally renowned SD-focused regional synergies program in the Kwinana Industrial Area (KIA), WA (pictured)



## Analytical Equipment

- Ultra-high speed video camera
- Thermal imaging camera
- Focussed ion beam Scanning Electron Microscope
- Transmission Electron Microscope (pictured)
- Advanced X-ray diffraction
- Specialist viscous liquid mixers



Want to know more? Contact us at [www.csrp.com.au](http://www.csrp.com.au) or +61 8 6436 8702

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