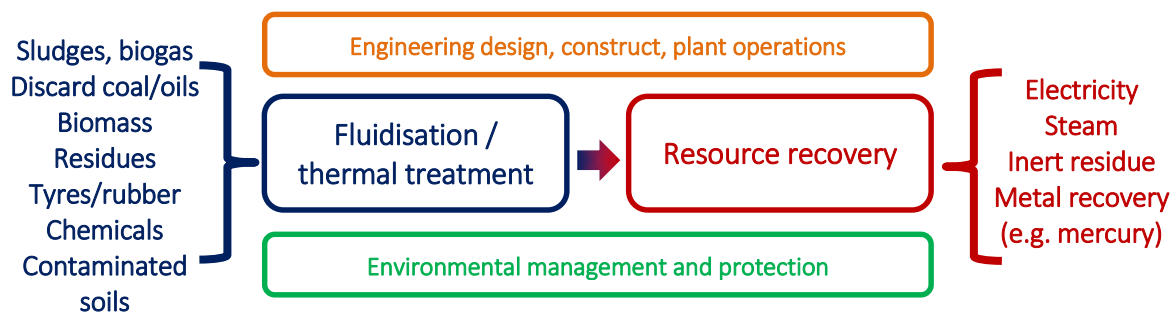




Engineering Resource Recovery

Coal and Waste Utilisation (Pty) Ltd has been operating in the waste sector since 1988. The company strives to develop innovative products and processes to address client needs. Most importantly, CWU strives to *protect the environment* and natural resources by providing waste treatment and utilisation methods. For example, incineration of sludges to protect river water.

CWU provides a complete engineered waste resource recovery solution. Typically, this is the thermal treatment of waste products with resource/energy recovery. CWU is able to design, build and operate process plants to treat waste product streams. The company offers tailor-made solutions for clients. CWU's preferred treatment method is using high temperature fluidisation technology for combustion of the waste streams, followed by energy recovery as steam or electricity. This ensures stabilisation or utilisation of general or hazardous wastes.



CWU designs and/or operates turn-key thermal treatment process plants, using rotary kilns (incineration/pyrolysis), thermal oxidation units, fluidised bed incinerators, fluidised bed dryers, waste gasification units. Where necessary, the above mentioned facilities include: wet and dry gas clean-up including on-line gas analysers, effluent treatment and water recovery, energy utilization and recovery, storage, preparation of hazardous and chemical wastes, environmentally responsible disposal of inert residues. Currently, the company is focussed on:

- Municipal sewage sludge incineration, with power generation
- Biomass (waste wood) incineration, with power generation
- Gasification of biomass, with power generation

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