



Supporting CO₂ -neutral power generation

Biomass 50MW Co-firing CHP Plant

Client

RWE Generation

Location

United Kingdom

Expertise

Co-combustion, Biomass Co-firing, Combined-Heat-And-Power (CHP), CO₂ mitigation, Fuel flexibility



Due to the Large Combustion Plant Directive (LCPD) regulations in the UK, the existing coal- and gas fired cogeneration plant at Tullis Russell's paper mill in Markinch, a small town in Fife, Scotland were threatened to be closed in 2011. RWE took over the site to retrofit the 50 MW facility to co-fire biomass in a combined heat and power (CHP) plant.

Assigned by RWE Generation (Power Unit), our role as owner's engineer include the project development, tendering and construction supervision of several turnkey contractors, such as Metso Power, who was awarded a contract for the delivery of a 155MWth circulating fluidised bed (CFB) boiler and a flue gas treatment plant. The remaining sections of the plant were constructed by Jacobs Engineering. Aker Solutions was awarded a contract to provide engineering, procurement and construction (EPC), and project management. It was responsible for the design, supply, construction, installation and commissioning of the plant.

- Owner's engineer
- Contract administration
- Engineering review of circulating fluidised bed (CFB) boiler and a flue gas treatment plant
- Advisory and project management during development, tendering and construction
- Site supervision

Our Services



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