

# Biomass for heat and power RWE's 50MW Markinch CHP Project

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**RWE** npower renewables

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# RWE's Markinch biomass CHP project

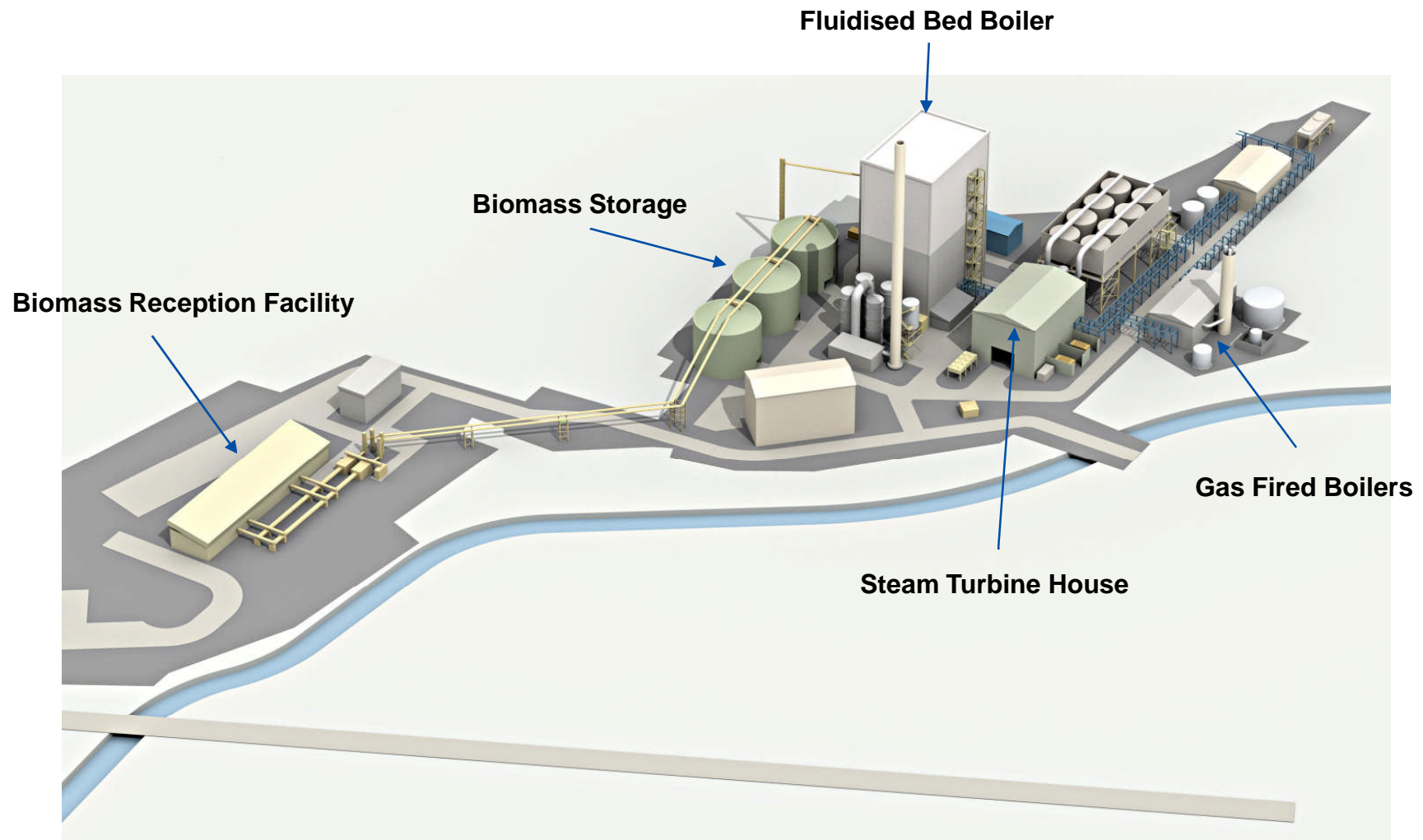
## > Key Statistics

- 50MW electricity and 50 MW heat.
- >50% efficiency.
- Supplying paper mill with all steam and electricity.
- Replacing existing coal fired plant CHP plant.
- Potential to supply additional heat to district heating system.



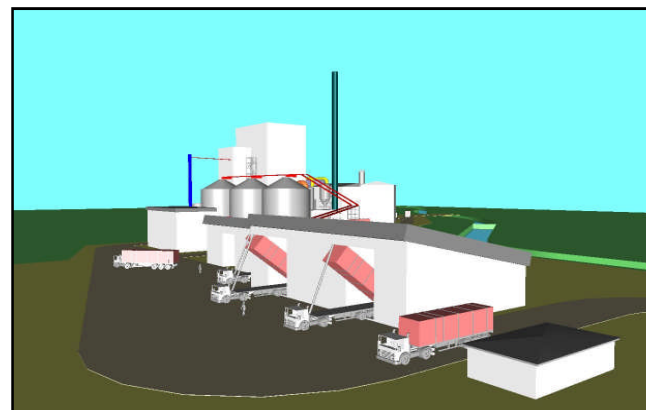
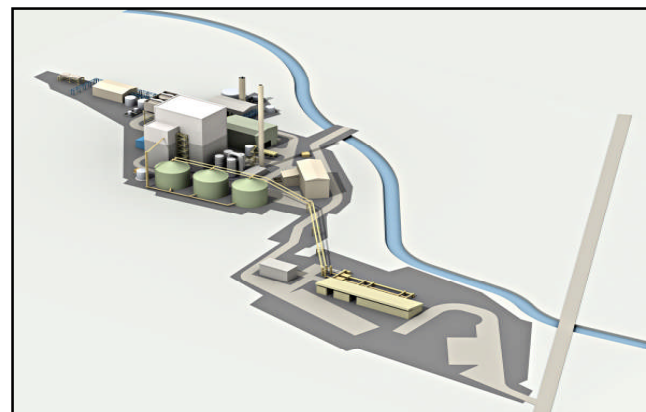
**Tullis Russell Papermakers, Markinch**

# Markinch CHP - Layout



# Markinch CHP - Project Details

- CFB boiler technology (Metso Power) with WID compliance will allow a wide range of biomass fuels to be used.
- Approximately 400,000 tonnes of used wood and virgin wood will be sourced from a wide range of local and national sources.
- Double ROCs under the UK Renewables Obligation.
- Construction work commenced during September 2009, with operation of the CHP plant in late 2012.
- The project will cost circa £200m and is part of RWE's €1 billion per annum investment programme in renewable electricity projects across Europe.



# THANK YOU



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