



Working in conjunction with AMP Clean Energy, Muntons plc has developed and now operates a bioenergy energy centre fueled by sustainably and locally sourced wood chip that provides heat and power to the site. The Energy Centre can produce 14MW from the biomass boiler and Gas CHP engine providing a large percentage of the sites heat and power needs.

In greater detail, the 12MW biomass boiler provides steam to the site and the 2.6MW gas-fired CHP plant provides electricity modulated to the site's demands. In addition, the CHP exhaust heat goes to a waste heat boiler to provide approximately 1MWh of additional steam heat. This can also provide a 6MW back up through a secondary gas firing capability and a 6MW gas-only boiler.

The Energy Centre utilities (mains electricity, gas and water) are fed from Muntons plc and it has its own RO water treatment plant. Trade effluent is discharged through a meter to the Muntons Waste Water Treatment Plant lagoon for processing in the Aerobic plant and discharge with the final effluent.

The Energy Centre was built by Muntons plc and Amp Clean Energy in association with Vital Energy, and is subject to its own Environmental Permit, EPR/SP3802SZ. It is located on the north west side of the site adjacent to the Norwich to London railway line and the existing Waste Water Treatment Plant. The Energy Centre is operated by Amp Clean Energy, a separate company to Muntons plc, but supplies the entire output to of the Centre to Muntons.

The renewable Energy Centre has helped Muntons plc to meet its science-based targets – to reduce emissions by 45% by 2025 (based on 2010 levels) – ahead of schedule. Muntons plc has also been able to bring forward its aspiration to reach net zero by 2050 to 2030.

The science-based targets for manufacturing are to reduce carbon emissions by 57% by 2050. Muntons plc aims to be far more ambitious and are on track to reduce emissions by 45% by 2025. It will decarbonise 100,000,000 kWh of heat demand each year – equivalent to

decarbonising the heat of more than 8,000 homes per year. In addition, Muntons purchase the heat and electricity on a long-term supply agreement.

Along with a second biomass energy centre at Muntons' Bridlington plant, Muntons plc will achieve combined carbon savings of more than 60%.

