

Biomass Handling & Fuel Generation

Relocation Of Wood Pellet (Biomass) Plant

Overview

To relocate and modify an existing wood grinding & pelleting system.

Problem

The clients existing facility was prohibiting expansion and limiting their ability to increase production to meet demand.

Solution

GAME utilised the clients existing equipment and relocated them to a new facility. The new building required a Penthouse extension to the roof and modifications were required to the intake grinder system, the live bin and the structural support steelworks. The line was designed specifically by GAME to enable future expansion of the production line and include another pellet press into the system.

The production facility utilises two wood shredders to reduce the in-stream to a manageable size. The second of these shredders feeds product into the building where a bucket loader loads the feed intake hopper. From here product is fed into a grinder and discharged into a live bin which feeds the pellet press. The press then feeds product to a cooler which in turn feeds a stockpile conveyor for the finished wood pellets. Cyclone dust extraction ensures minimal dust.

Result

The line now achieves a throughput of approximately 3-4TPH of wood pellet, which the client is selling as a Biomass fuel to a number of CHP Power Stations across the country.