



# Biomass Silo Systems

## CASE STUDY:

B&Q Distribution Centre,  
Worksop, Nottinghamshire, U.K.



This 865,000ft<sup>2</sup> Distribution Centre is built on an 87 acre site and has achieved a top level BREEAM building rating.

Biomass Silo Systems designed and installed the silo and fuel loading system to feed the biomass boiler which provides heat and hot water to the offices, canteen and air handling units.

The boiler was specially designed to run off waste wood which is generated by shredding wooden pallets, which previously would have gone to landfill.

The shredded material is then transported by a conveyor into our loading auger which in turn transports the fuel into the silo.





The 90m<sup>3</sup> capacity silo was also fitted with fill and vent pipework to allow for blown deliveries of standard wood chips for times when the heat demand outstrips the availability of shredded timber.

ATEX explosion protection panels were fitted on the roof and an access door was installed in the bottom of the silo to allow for regular cleaning and maintenance.

The system worked so well for the customer that we replicated it at B&Q's second major UK distribution centre in Swindon a number of months later.



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