



## Biomass Silo Systems

CASE STUDY:  
Villa Nurseries, Essex, UK



Villa Nurseries are a large food producer in the North of England producing over 2 million kilos of tomatoes each year in 20 acres of greenhouses. As part of the company's strategy to source 100% of their energy needs from renewable sources, they installed 2 X 2.5mw biomass boilers.

Biomass Silo Systems were then contracted to supply 2 X 90m<sup>3</sup> waste wood silos capable of storing a mixture of waste wood that would be topped up with wood pellets in times of high demand.

Both silos supplied were 4.5m in diameter and 9.0m high with a 45 deg conical base and agitator type extractor fitted at the bottom which would allow connection to a boiler feed conveyor supplied by the boiler installer.



ATEX explosion panels were also fitted on the roof to mitigate the risk of a dust explosion causing damage to the silo.

Overall this project was a huge success with Villa Nurseries enjoying massively reduced energy costs and saving an estimated 4000 tonnes of carbon per year.



**Biomass Silo Systems,**  
Frederick Square,  
Sixmilebridge, Co. Clare, Ireland.

**Tel:** 00353 (0)61 369 169

**Email:** [info@biomasssilosystems.com](mailto:info@biomasssilosystems.com)

**Web:** [www.biomasssilosystems.com](http://www.biomasssilosystems.com)

