

PLANT REPORT



Jaunjelgava - Latvia

Biomass Pellet Plant

New fuel pellet plant designed and constructed by Saxlund International AB. The plant uses low value wet forest residues as the fuel for the hot gas generator. This hot gas is then used together with recycled gases at a temperature of 450°C in a rotary dryer designed to dry the material to be pelletised. This material consists largely of sawmill residues and other clean wet softwood that has been processed through a flaker and screening section. The resulting dried wood flakes are then conveyed to a storage silo prior to being fed to the pelletising line. The system is seen by the plant owners as being the most cost effective and energy efficient method of producing the required high quality fuel pellets.

Saxlund products for silo and conveying technology:

Solids Handling Pumps ● Troughed Chain Conveyors

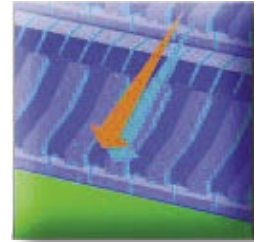
Screw Conveyors ● Combustion Plants

Sliding Frames ● Control Systems

Push Floors ● Rotary Valves

Elevators ● Tubefeeders





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TECHNICAL DATA

Year of construction:	2005
DRYER LINE	
Fuel:	Wet forest residues
Bunker volume:	25 m ³ /h
Combustion:	Inclined grate - SAX
Grate area:	17.6m ²
Capacity:	11.4 MW
Temperature out:	1000 °C
Dryer type:	Rotary
Evaporation:	8 t/h water

PELLET LINE

Residue bunker:	125m ³
Sawdust bunker:	50 m ³
Rate:	90 m ³ /h
Flaker:	90 m ³ /h
Dryer feed bin:	20 m ³
Rate to dryer:	60 m ³ /h
Dry material silo:	500 m ³
Rate to pelletisers:	58 m ³ /h
Pellet production:	8 t/h

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