Biomass Handling & Fuel Generation

Wood Chip Intake System

Overview

Design/Install a intake system with bunker, hoppers, conveyors and electrics

Activity

The intake system was designed to accommodate a G100W50 wood chip from a walking floor arctic trailer, and transfer it to a storage bunker at a rate of 135cu.m/hr.

The intake hopper was placed behind one of the two roller shutter doors in the building. The delivery vehicle reverses up to the reception hopper and discharges the wood chip. The load is then removed from the hopper by a large diameter twin screw discharger, and fed into a scraper chain conveyor which elevates the wood chip up to a high level, where it is dropped into the bunker distribution conveyors. These distribution conveyors are a scrapper chain type, both running the length of the bunker with multiple outlets.

A bespoke bunker was designed by GAME Engineering, fitted with blow-line fill pipes.

The contract was carried out as a sub-contract project complete with electrics.

www.game-engineering.com

GAME
MATERIALS PROCESSING & HANDLING ENGINEERS