

Plants for difficult to handle bulk materials

Sebes, Romania YEAR OF CONSTRUCTION 2017

DESCRIPTION

After many already-successfully completed projects in other sites with a customer, SHW-SHS received the order of a pull floor system in a large chipboard factory for the site in Romania.

The target of this system is acceptance and storage of waste biomass in order to produce energy in the form of heat and electricity. This was implemented in close coordination with the operator.

The system comprises:

- Pull floor with a removal screw
- Combing roller
- Vibration conveyor trough as transport device onto a downstream conveyor
- Disc sifter for ejection of gross goods/oversizes
- Belt conveyor, rising, for ejection of coarse goods/oversizes into a container
- Bucket elevator with injector screw
- 2x U-Tube overall length approx. 135 m
- Compensator as handover for on-site boiler supply
- Steel structure for bucket elevator

Due to the chemical composition, the pull floor is covered in a Hardox wear protection floor. The bulk material is evenly dosed onto the downstream vibration trough via coming roller.

To sort out interferences, a disc sifter is connected downstream of this. A belt conveyor ejects the coarse goods/oversizes into a container.

The OK grain is supplied to a bucket elevator (25 m) by an injector screw.

Subsequently, the bulk material is transported to the power plant building through a closed and dust-free U-tube across a distance of 135 m.

The project included all supporting structures and operating platforms. The steel structure for the U-tube was planned by SHW-SHS as well. All components were customised to the customer's needs in their designs (material selection, wear, design, drive output).

SHW-SHS stands out on the market with its integrated concept from planning, to delivery and assembly, to commissioning and after-sales service. It is available to the customer as a competent partner across the entire product life cycle.

