

Plants for difficult to handle bulk materials

Kaifu Truck Loading Silos YEAR OF CONSTRUCTION 2017

DESCRIPTION

After already-successfully completed projects with this customer, SHW-SHS received the order of truck loading of municipal sewage sludge for the site in China. Efficient, low-odour and even loading of the material onto trucks was relevant.

SHW-SHS planned the loading system from the silo filling to loading into the trucks.

- Including the silo steel construction planning for the truck passage
- Including planning of the tubing of hydraulic components

This was implemented in close coordination with the manufacturer of the supply technology for filling the silos and the steel constructor, along with the customer.

The system comprises:

- two storage silos with one sliding frame unit and a loading screw each
- one silo fill level monitoring system storage silo
- two sliders (hydraulically operated)

To ensure the required loading volume and to not overfill the truck, the seepage sludge is transported into the trucks by removal screws. This is controlled via the screw revolutions, so that an event and dosed output is ensured.

All components were adjusted to the project in their design (material selection, wear, design, drive output) and are fully adjusted to customer needs.

The system was designed with a special view to economic efficiency in terms of investment and operating costs.

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