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CONTAINER TILTING SPREADER

Container tilting spreaders for tipping containers over the ship hold are implemented in a specialized ship loading system. Currently, the system is put into operation by a modern bulk terminal at port of Ust-Luga, Russia, capable of handling DWT 5000 – 50000 ships.

The tilting spreader is used for unloading containers by inverting them over the ship hold. Current spreader model is developed so that the tilting angle ensures the entire cargo is unloaded from the container.

It was the cutting-edge technology adapted specifically for this terminal that brought forward its investment efficiency and significantly lowered expected investment level needed for developing standard facilities with similar bulk handling volume. The terminal implements specialized tilting spreaders that allows handling up to 15000 tons per day. Four delivered spreaders brought total cargo turnover to 2 million tonnes per annum.

Unloading dry fertilizers from rail hoppers into specialized containers is done on spot, skipping an intermediary storage unit. Dry fertilizers are stored in specialized containers as future shiploads. Therefore, containers are turned into storage elements, which allows stacking and accumulating shiploads of various types of fertilizers and ensures high preservation of product.