



Grain

# Flexible grain unloading solution

These two grain unloaders were ordered for the port of Jorf Lasfar, in order to increase the terminal grain intake and improve the surrounding environment during operation

## Customer

Jorf Lasfar

## Location

Morocco

## Siwertell installation scope

Unloader model	ST 490-F, rail-mounted (2 units)
Rated unloading capacity	600t/h (each unit)
Maximum ship size	Panamax
Total weight	253t (each unit)

**Siwertell**



## Case story

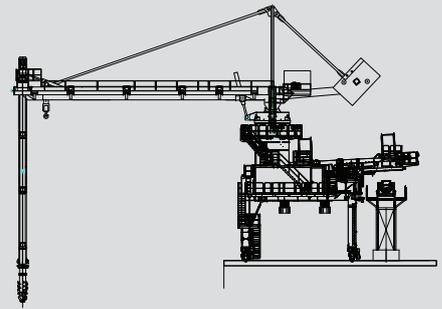
These unloaders discharge the grain to a jetty belt conveyor behind the units, however, the unloaders are also equipped with two discharge bellows placed beneath the main beam to allow direct discharge to trucks, when needed.

The discharge bellows are manoeuvred from a platform placed above the main beam to allow good visibility of the operation.

All conveyors and transfer chutes are totally enclosed providing a dust-free and clean operation, independent of type of material handled.

To minimize the dust emission also at the transfer points to the jetty belt and the discharge bellows for truck unloading, each unloader is equipped with two separate dust filters.

The Siwertell units in Jorf Lasfar are operated via a radio remote control, from where the operators have easy control of the operation and different subsystems.



## Contact

Siwertell works closely together with representatives on all continents. Please contact our head office below and we will direct you to your local Siwertell contact.

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The Siwertell product portfolio includes ship unloaders, mobile ship unloaders, ship loaders, horizontal and vertical screw conveyors as well as complete dry bulk terminal solutions. Virtually any dry bulk cargo can be handled and all Siwertell solutions are designed to ensure sustainable, efficient and safe cargo operations. Siwertell is part of Cargotec Corporation.



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