



Sulphur

4S installed for maximum safety

Siwertell was approached by Anglo Base Metal to investigate how to unload sulphur through a safe and environment-friendly operation in the Port of Lüderitz in Namibia, which was predominately used by the fishing industry.

Customer

Namzinc (PTY) Ltd. for
Skorpion Zinc

Location

Lüderitz, Namibia

Siwertell installation scope

Ship unloader model

15 000 S, road-mobile on semi-trailer, double
loading bellows system, equipped with

4S MOB - Siwertell Sulphur Safety System

Rated unloading capacity

Prilled sulphur 350t/h

Maximum ship/barge size

17,000 dwt

Total weight including semi-trailer

72t

Siwertell



Case story

Installing a fixed unloader in the port wasn't possible as the quay needed to be cleared after each sulphur discharge operation. Based on the client's needs for a high unloading capacity, environment-friendly unloading and based on the sizes of ships arriving in port, the Siwertell 15 000 S was a natural choice.

Since its delivery in 2008, the Siwertell unit has been used continuously for unloading sulphur, which is employed in the mining process for the production of pure zinc.

Sulphur is explosive and corrosive and to deal with this, the Siwertell 15 000 S is equipped with a specially developed 4S MOB – Siwertell Sulphur Safety System

4S - Siwertell Sulphur Safety System

- water spray nozzles at the inlet feeder
- explosion venting device along the conveyors and dust collector
- spark and fire detectors
- fire extinguishing system
- reinforced conveyor gables
- automatic lubrication system
- temperature guards on the intermediate bearings
- stainless-steel screw conveyors

THREE MODELS AVAILABLE

Siwertell 5 000 S

For ships up to approx. 5,000 dwt. Being a smaller version of Siwertell mobile unloaders, the 5 000 S is supplied for mobile and fixed installations, and its unloading capacity is approximately 300t/h.

Siwertell 10 000 S

In its trailer-based version it's designed for the discharge of ships to approx. 10,000 dwt. In its gantry-based version it is suitable for ships up to approx. 15,000 dwt.

Siwertell 15 000 S

Siwertell 15 000 S is available for the discharge of ships of up to around 15,000 dwt (trailer-based) and around 25,000 dwt (gantry-based). The rated unloading capacity in cement is 500t/h.

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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