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## **SIWERTELL BULK TERMINALS: DESIGNED TO MEET YOUR POTENTIAL**

Increasing global demands and ever stricter environmental regulations means that dry bulk terminals are changing. Siwertell's tailor-made dry bulk solutions allow terminal operators to meet their full potential in the face of these changes. Siwertell can provide ship loaders, unloaders and conveying systems to handle virtually any dry bulk material. Using Siwertell as a one-stop-shop for all your terminal equipment means that the well-matched machinery will work perfectly together and service requirements are simplified. Siwertell designs and delivers bulk terminals worldwide.

### **BULK TERMINALS TO SUIT SENSITIVE ENVIRONMENTS**

Siwertell terminals meet the most stringent environmental regulations. Conveying lines are totally-enclosed, leading to minimal dust emissions and no spillage. Siwertell screw-type unloaders and conveyor units are extremely quiet, making them ideal for use in populated areas.

### **COST-SAVINGS UNDER SCRUTINY**

Bulk terminals using high-capacity, high-efficiency unloaders, loaders and conveying systems from Siwertell stand to make substantial cost savings from reduced unloading and loading times. Material flow within the terminal is smooth and automated. Totally-enclosed systems ensure that there is no material loss, while clean-up costs are minimal. Siwertell-designed terminal systems maintain operational efficiency throughout the entire dry bulk handling process and can switch between cargoes when needed.

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### **UNRIVALLED UNLOADING CAPABILITIES FOR IMPORT TERMINALS**

An import terminal's unloading equipment dictates its efficiency and environmental impact. Siwertell systems maximize efficiency and are inherently clean. Our screw-type unloaders are totally-enclosed, eliminating spillage and minimizing dust emissions. Our equally effective downstream arrangements include screw, belt and aeroslide conveying systems.



### **EFFICIENT EXPORT TERMINALS**

Well-designed, efficient export terminals maintain smooth, flexible flows of bulk material from their intake arrangements, through to their storage facilities and reclamation systems and on to the ship loaders on their jetties. Siwertell can offer full design, equipment supply and installation services.



### **FLOATING TRANSFER TERMINALS: AN EFFECTIVE ALTERNATIVE**

Factors such as draft restrictions and prohibitive port development costs mean that some dry bulk import and export operations cannot be carried out directly from shore based-terminals. A floating transfer terminal with onboard unloading, storage and loading facilities can solve these problems. Siwertell designs transfer terminals using its efficient, totally-enclosed equipment. This can be a cost-effective alternative solution when compared to the expense of dredging works and jetty construction. Being able to avoid, sometimes lengthy, building permission processes is another advantage with floating terminals, as this type of permit is generally not required for these operations.