

Zero Loss for Inland Bulk Logistics

Logistic companies are turning to a containerised bulk handling (CBH) system to prevent material loss and product degradation.

Before the CBH system was implemented, high value commodities such as copper concentrate, platinum, cobalt, etc. had their quality degraded in route to their final destination, due to multiple transfer points, open top rail/road wagons and open stockpiles.

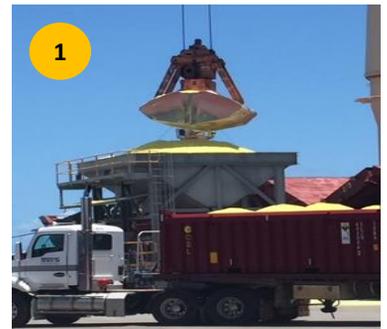
This leads to a significant financial loss. Other inland logistical companies are now considering a CBH system to protect their financial interests and other CBH benefits.



The CBH Process

The CBH process has 4 simple steps for importing bulk commodities:

- 1) **Fill** containers from hopper at the quayside or from the pit
- 2) **Seal** the containers with the auto-latch lid that closes onto the container when the lid is lowered.
- 3) **Transport** the sealed container via road or rail to destined facility.
- 4) **Unload** the commodity at the facility with the rotating spreader, RAM Revolver on Reach Stacker



Green & Profitable

With most dry bulk logistic systems losing 2-3% of materials at the multiple dump and rehandling points, CBH is a best practice solution that pays off.

The solution is cost effective consisting of open top containers with sealed lids that act a means of transporting and storage of the commodity, and a rotating spreader which rotates the container through 360 degrees.

With a clever lid lifting mechanism, the rotating spreader unlocks and lifts the container's lid before rotating the container and decanting the commodity at the final destination.

The CBH system ensures the commodity only sees the light of day prior to the decantation. No contamination. No loss of commodity. No environmental impact.



Reach Stacker for Bulk Handling

Manufacturing a rotating spreader for reach stacker applications adds flexibility existing equipment. Using a reach stacker for general container handling, or with Revolver added, handle bulk efficiently and economically.

As Revolver's design allows a container to be rotated 360 degrees along its longitudinal axis, it ensures all commodity is decanted from the container.

In addition, the design of rotation helps reduce stress on components to both Revolver and reach stacker.



Box Clever

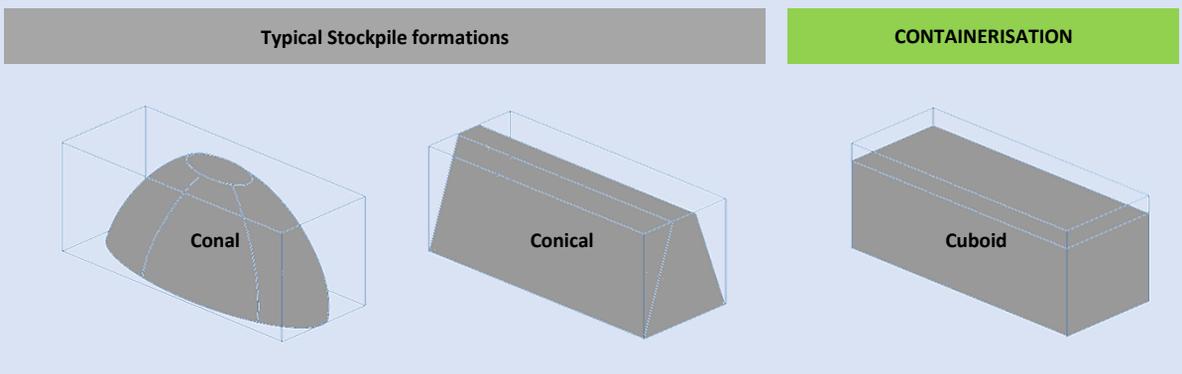
The traditional method of stockpiling bulk demands more consideration when planning - from storage facilities, environmental concerns to cross contamination. On top of those, what about the commodity which is escaping because of the weather? This really is ‘money blowing in the wind’.



Containerising bulk means using existing infrastructures, improving the handling sustainability, avoiding cross contamination, and preventing the product from escaping.



A containerised system uses up the storage capacity per square meter, as the commodity is stored in a cuboid formation rather than a conical or cone formation (shown below)



Typical CBH Import Process

