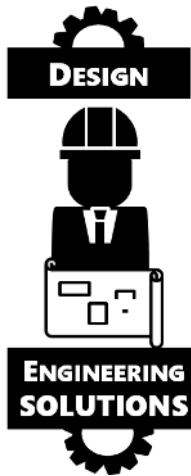


DSI CONVEYOR – CARGO PORT

DSI SANDWICH CONVEYOR FOR FERTILIZER [W10210]

- CHALLENGE:**
- (1) Maintain the current footprint
 - (2) Eliminate transfers along with accompanying spillage
 - (3) Elevate material at an angle of 40 degrees

SOLUTION: Apply the DSI Adder Snake conveying system



A demand for a higher lift, within the limited space typically available in ship loading applications, was fulfilled using a DSI Adder Snake conveyor. The DSI Adder Snake serves to transition smoothly between differing belt systems: the DSI Sandwich Belt high angle conveyor and a conventional conveyor.

The Adder Snake swallows a narrower conventional belt, along with its material, into the two wider sandwich belts, allowing the material to enter the sandwich belts with minimal disturbance. It does this without the energy loss and

additional equipment required for a standard transfer.

DSI was tasked with lifting 600 t/h of fertilizer material, 12.9 meters from the existing dock conveyor to the outgoing shiploader, over just 29 meters of footprint. DSI's solution accommodated the slewing and luffing action of the ship loader's head end while also allowing for a limited sized tail pulley and a compact discharge design.

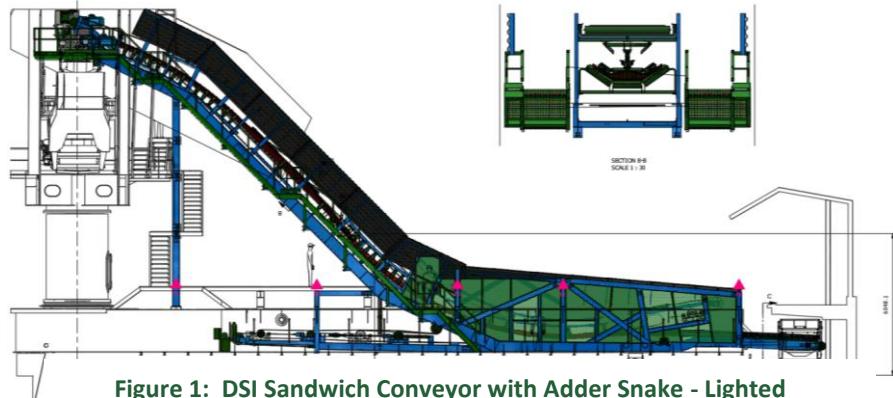


Figure 1: DSI Sandwich Conveyor with Adder Snake - Lighted

PORTAGE  **PROFITS** \$
& **PRODUCTIVITY** 



Figure 2: DSI Sandwich Conveyor with Adder

For more information visit: www.dossantosintl.com

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