

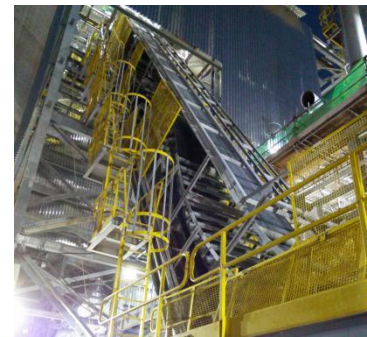
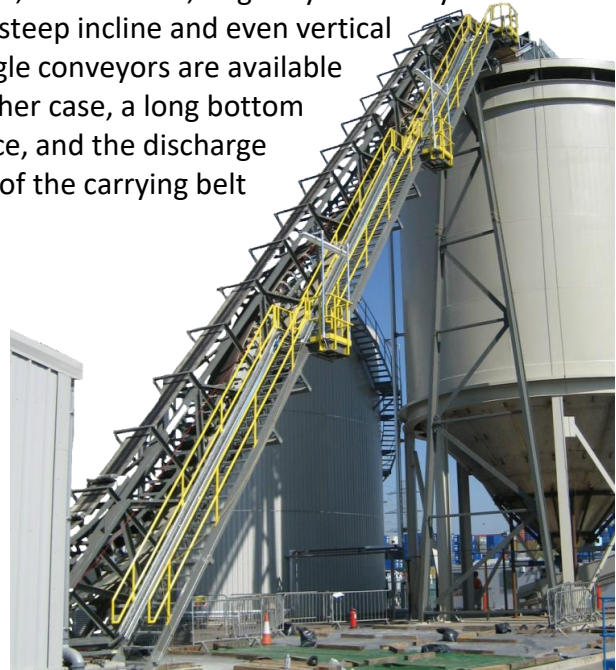
SANDWICH BELT HIGH ANGLE CONVEYOR

A Sandwich Belt conveyor uses two conveyor belts, face-to-face, to gently but firmly contain the product being carried, hence making steep incline and even vertical lift runs easily achievable. Sandwich belt high angle conveyors are available in widely ranging profiles of C and S-shape. In either case, a long bottom belt approach is possible to the Sandwich entrance, and the discharge may be on the high incline or after the extension of the carrying belt beyond the mouth of the Sandwich.

The Sandwich Belt high angle conveyor was first conceived by Joe Dos Santos in 1979, and has been a prime example of the drive at Dos Santos international to develop the best solutions for the industry's needs.

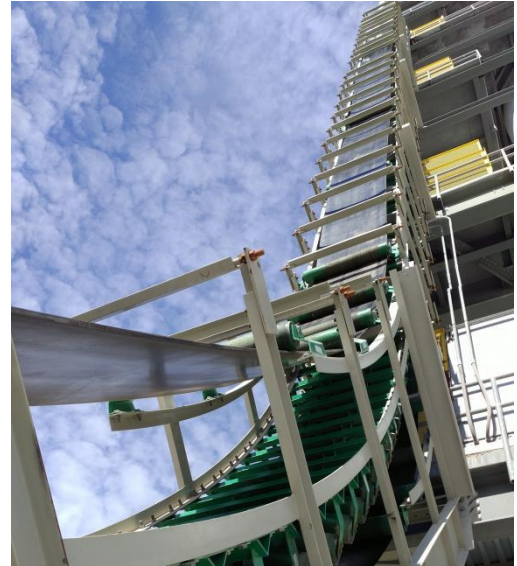
A major study, led by Joe Dos Santos, aimed to develop a means of transporting large quantities of bulk materials, including coarse products such as rocks, aggregate coal etc. at the steepest possible inclines. The study prioritized using only existing and generally available hardware in order to achieve the most economical and easily maintained steep angle conveyor design.

While such concepts had been tried over the years with mixed results, Joe investigated and analyzed deeply the complex forces in order to develop the formulas which guaranteed a successful design. DSI Sandwich Belt high angle conveyors represent the ultimate result of this work.



ADVANTAGES OF THE DSI SANDWICH CONVEYOR

- LOW POWER/ENERGY REQUIREMENTS
- NO DEGRADATION OF MATERIALS
- ALL CONVENTIONAL CONVEYOR PARTS
- SMOOTH SURFACED RUBBER BELTS THAT CAN BE CONTINUOUSLY SCRAPED CLEAN
- HIGH RELIABILITY WHICH ENSURES UNINTERRUPTED OPERATION
- LOW MAINTENANCE COSTS.



APPLICATIONS IN VARIOUS INDUSTRIES

- With hundreds of applications around the world, you can find Sandwich Belt high angle conveyors in the following applications:
- Coal loading and unloading at power plants and steel mills
- IPCC (in-pit crushing and conveying) in open pit mines
- Handling wood chips at pulp and paper mills
- Tunneling for mines and city development
- Mobile ship loading for ships and barges
- Handling biomass at power facilities
- Wastewater treatment plants
- Diamond mines
- Recycling plants
- Fertilizer plants
- Cement plants
- Oil refineries
- Gold mines



A legacy of innovation