



## BACKGROUND & EXPERTISE

Our company was founded on extensive worldwide experience in sales, engineering and construction of bulk materials handling systems and equipment. This has included major contributions that have expanded the range of bulk handling and transport solutions. Most notably, advances in sandwich belt high angle conveyors have led to their worldwide utilization. The company's expertise spans a wide range of bulk materials handling systems and equipment including:

- High angle conveyors.
- High powered, high capacity, high lift slope conveyors and long overland conveyors utilizing the latest technology.
- Plant conveyors, feeders, trippers and related equipment.
- Continuous open pit mining equipment and haulage systems utilizing the latest technology.
- Plant conveyors, feeders, trippers and related equipment.
- Continuous open pit mining equipment and haulage systems utilizing bucket wheel excavators, belt wagons, face, connecting and spoil conveyors, spoils side and/or cross-pit spreaders.
- Yard and dock handling systems and equipment, stationary and rail mounted-mobile including:
  - Stackers and reclaimers
  - Ship and barge loaders
  - Continuous barge unloaders

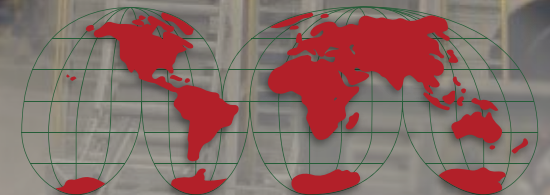
THE GREATER THE LOAD  
THE HIGHER THE LIFT  
**THE BETTER WE LOOK**



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**DOS SANTOS**  
INTERNATIONAL

**MATERIALS HANDLING &  
ENGINEERING SPECIALISTS**



## OVERLAND, HIGH LIFT & HIGH CAPACITY CONVEYORS

We offer conventional conveying systems with simple or complex profiles. From high capacity and high-lift systems to horizontally curved, our conveyor systems will exploit the latest in equipment and technology to deliver optimal solutions.

Our overland conveyor projects have featured both intermediate “booster” drives - the fixed tripper type, as well as the belt-on-belt type. These have been effective in achieving great transport length with belts of only modest strength. “Booster” drives also allow us to control belt tension facilitating horizontal curves with minimal belt wander.



## CONSULTING & ENGINEERING

We offer consulting and engineering services for a wide range of materials handling systems and equipment. Our mechanical and structural engineering expertise may also be applied to projects such as:

- Technical and economic studies and evaluations
- New systems
- Upgrade of existing systems
- Plant modifications and field assistance



## EXPANDED CONVEYOR TECHNOLOGY

At DSI we have developed the “Expanded Conveyor Technology” software, otherwise known as *ExConTec*. This is a comprehensive analysis approach extending the conventional conveyor technology beyond its currently perceived limits.

This in-house analytical computer software facilitates complete belt tension and power analysis of the most complicated conveyor systems under steady state running, starting, stopping and other transient conditions.



ENERGY & POWER



STEEL



MINING



PAPER & PULP



PORT & HARBOR



WATER & WASTE

# INDUSTRIES SERVED

## SANDWICH BELT HIGH ANGLE CONVEYORS

The world’s foremost authority on high angle conveyor applications and design of sandwich-belt conveyors, Dos Santos International is your ideal consultant and supplier.

The Sandwich Belt High Angle Conveyor, the most reliable and economical solution for your steep angle and vertical high-tonnage conveying requirements, isn’t new technology. It has been proven in hundreds of installations world-wide to be the most reliable, versatile and economical solution to high-angle materials handling. From open pit mining to transport of wood chips, the sandwich belt technology makes steep incline and vertical-lift runs easily achievable.

