Requirements:

Bulk Maritime Terminals required a facility to handle Soda Ash for distribution at Port Kembla.

The system had to:

• Be able to be used to fill a combination of road tankers, trucks and bags for distribution to operators for final processing.

• Have the range of physical movement to cater for various outloading requirements.

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Technical Information

Conveyors:	3
Belt width:	300 / 500 mm
Length:	42 m
Inclination:	To 21°
Capacity:	25 / 100 tph
Belt speed:	2.0 m/s
Drive Power:	3 / 7.5 kW
Fan Power:	0.2 / 1.8 kW
Prod. Density:	1.0 t/m^3

Solution:

Aerobelt Australia came up with a design to include the ability to feed the product at a controlled rate into all three modes of distribution. The system could be fed using a front end loader and the product then placed into a bag, truck or tanker using various storage hoppers and silos.

The main feeder conveyor could be raised or lowered and could be swung into positioned to feed the product into various loading configurations.

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