

Customer: Ausbulk
Location: Kangaroo Island, South Australia
Product: Wheat, canola, barley
Date of installation: May 2001

Requirements:

Kangaroo Island grain growers produce between 20,000 and 30,000 tonnes of grain per year. The product was transported to Adelaide via semi-trailer trucks which were transported from Kangaroo Island to the mainland on roll-on-roll-off ferries. Because of limitations of ferry space it was difficult to move the material in the time required and the cost was excessive. Environmental considerations were paramount because the conveyor system was installed on a jetty which is open to the public and adjacent to tourist facilities. The system had to:

- fill the barge at low and high tides and range as high as 7 metres
- swing through 121° to fill the barge extremities
- provide electrical winch control to raise and lower the boom to reduce manual operator involvement.

Solution:

Aerobelt Australia Pty. Ltd. was contracted to supply a conveyor system to load 1500 tonne barges for sea transport to Adelaide. Annual savings to the farmers has been estimated to be \$0.75 million per annum.



Technical information:

No. of conveyors: 2
 Product: Wheat/Canola/Barley
 Belt width: 550/650 mm
 Length: Up to 120.75 m
 Inclination: Up to 18°
 Capacity: Up to 250 TPH
 Belt speed: 2.8/5.9 m/s
 Drive power: Up to 15 KW
 Fan power: Up to 3 KW
 Product density: 0.75 t/m³



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