

Marti Technics Ltd.

Tunnel conveyor belt system Sydney Water Desalination Plant (AUS)



Sydney Water Desalination Plant (AUS)

Tunnel conveyor belt system

Client	Veolia Water Australia Pty Ltd.
Main contractor	Blue Water JV, Sydney
Sub-contractor	Marti Technics Ltd.
Order value	CHF 3.95 mn
Drawn up	2008



Services provided by Marti Technics Ltd.

Design, planning and performance of the entire tunnel conveyor belt system including electrical installation and visualised plant controls.

Description of the system

- Tunnel conveyors with belt storage 2 x 2500 m
- Automation and electrical system

Technical data

Conveyor belt system

- Flow rate for tunnel conveyors 240 t/h
- Driving power of tunnel conveyors 2 x 220 kW
- Belt width 500 mm

Automation and electrical system

- Fully-automatic control of material flow from the tunnel boring machine to temporary disposal site
- Visualisation of tunnel conveyor belt system
- Installation of heavy-duty electrical supply 440 kW



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