

# Tianjin Port Coal Terminal

## Responsibilities

Structural and Mechanical Design for conveyors, chutework and transfer towers involving the production of over 180 mechanical and design arrangement drawings developed to sufficient detail to allow detailed fabrication drawings to be produced by a third party Chinese Design Institute without recourse to further design work.

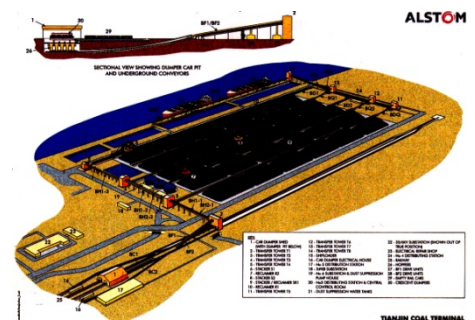
Drawings and supporting calculations were produced for the following principal elements for each conveyor/tower:

- Tailframes
- Headframes and Chutes
- Chute Discharge Boxes and Skirts
- Bifurcated Transfer Chutes and Diverters
- Lifting Skirts, Dewatering Equipment
- Tramp Iron Chutes
- Trestle, Tower and Tail Mounted GTUs
- Magnetic Separator Handling Facilities
- Tower and Ground Mounted Drive Units
- Tower Steelwork and Member Forces

The contract was successfully completed to budget and within the exacting timescales of the contract programme.

Bennett Associates (originally founded in 1984) was acquired in 2008 by Atkins; bringing their proven technical expertise to the UK's leading engineering consultancy.

<b>Client</b>	Alstom Automation Ltd.
<b>Project</b>	Tianjin Port Nanjiang Coal Terminal
<b>Description</b>	Port Stack-out and Reclaim Facility
<b>Capacity</b>	Coal Handling at up to 6,700t/hr
<b>Belt Widths</b>	1800mm to Stock, 2000mm to Ship
<b>Scope</b>	A Total of 16 Conveyors and 8 Transfer Towers



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