



DANIEL SMITH INDUSTRIES LTD

JOB PROFILE

**Milford Sound Development Authority
Bluff, Southland, New Zealand**

Main Contractor: Fletcher Construction, Invercargill
Engineers: Duffill Watts & King, Dunedin
Contract Value: \$360,000.00 (plant & labour only)
Contract Period: October 1994 to January 1995

Daniel Smith Industries, as a preferred subcontractor in conjunction with Fletcher Construction completed the upgrade of the harbour basin for Fiordland Travel / Milford Cruises / Department of Conservation.

This work consisted of removal of old berths and installation of some 150 piles for Dolphins, new wharves, floating jetties and marker piles.

Because of the difficult location of Milford Sounds Daniel Smith Industries modified our segmental barge into componentry that was transportable over SH94 and through the Homer Tunnel. The segmental barge was assembled and launched on the beach front at Milford Sounds.



It was decided due to the remote location and variable ground conditions to install steel tube piles to allow Daniel Smith Industries to, if necessary, change each pile size / length.

A selection of 300mm, 400mm and 500mm diameter steel tubes were taken to the site.

Piles were driven in lengths from 12 to 27 metres long with internal drop hammer through gates on the side of the barge. GPS Survey equipment was utilised to position each pile

Milford Sounds is well known for its wet and harsh weather conditions and Daniel Smith Industries personnel persevered in appalling conditions to ensure this project was completed on time.

This crane and barge were also utilised for placement of all concrete formwork and timber for decks on this project.