



1 Timaru Terminal near completion, drone view of the wharf and unloader. 2 Dome at night (credit Greg Kempthorne Photography). 3 Auckland Terminal completed, dome aeration pipes (credit Greg Kempthorne Photography).

HOLCIM CEMENT SUPPLY

Beca for Holcim New Zealand

Project Location: Auckland and Timaru



Holcim (New Zealand) Ltd (Holcim) has changed its business model from manufacturing to importing and now supplies high quality and competitively priced cement to the New Zealand market through the successful implementation of their Cement Market Supply Project (CMSP). Holcim has been operating in New Zealand since 1888, and for 58 years has manufactured cement in their Westport Cement Works. This facility has reached the end of its economic operating life and was replaced in 2015/2016 with the completion of the CMSP project to establish new cement import terminals in Timaru and Auckland.

The CMSP project was delivered in a collaborative manner. The four main project participants were Holcim (Owner and Project Management), Beca Ltd (Engineering and Project Management Support), Downer New Zealand Ltd (Main Construction including several design/build elements), and Van Aalst Bulk Handling BV (Equipment). The project scope included some challenging works at two different locations to include 30,000 tonnes of cement (the first structure of this type in Australasia), truck and on/off loading systems, offices and utility systems, and delivery of two near fully assembled vacuum ship unloaders to name only a few.

Of course a project of this size had challenges. These two complex terminals were constructed concurrently in locations almost 900km apart. The team also overcame the challenge of supporting the massively heavy cement domes on two quite different foreshore geologies to successfully construct the first two buildings of this type in New Zealand (and Australasia).

The project was completed ahead of schedule and under budget with a teamwork outlook that contributed to no lost time injuries or medical treatment injuries in over 250,000 hours of construction work. Holcim are now able to bring bulk imported cement into the New Zealand market and have closed their aging Westport Cement Works. This has allowed Holcim to take advantage of a global surplus of high quality cement, such as that from world-class cement works in Japan and Asia. Affordable building products are important to delivering cost-effective infrastructure, commercial and residential projects across New Zealand.

Judging & Copyright Statement

This project is an entrant in the 2016 INNOVATE NZ Awards of Excellence competition. The winners will be celebrated at our Awards Gala Dinner on Saturday, 12th August 2017 in Taupo.

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