# Steel Mains
### SOLUTIONS FOR LIFE

# North Otago Irrigation Scheme Stage 1

## Innovation Delivers Water to Farmers Through Challenging Terrain



## Project Need

North Otago is a notoriously dry district on the east coast of the South Island of New Zealand. For years local farmers had dreamed of irrigating their farms, but large scale access to reliable water prevented the dream from becoming a reality.

In response, North Otago Irrigation Company (NOIC) developed a plan to deliver water from the Waitaki River to over 100 shareholders and over 10,000 hectares of productive farmland. The scheme would involve a series of pump stations, canals, pipes and a natural waterway to deliver reliable and pressurized water right to the shareholder's onfarm offtake.

## Solution

Steel Mains was selected by the successful construction contractor, Fulton Hogan, to supply the 10km of steel pipeline materials and components required. Due to high working pressures and the challenging terrain, Steel Mains unique portfolio of SINTAKOTE® Steel pipeline solutions, together with our engineering experience and local knowledge through our then local office and now NZ agent - ASMUSS, the project was sure to be a success.

## Achievements

As a dedicated pipeline system supplier, Steel Main's innovation pedigree and intimate knowledge of system installations were key to the successful delivery of this challenging project. Steel Mains proprietary SINTAJOINT® rubber ring jointing system for steel pipelines was utilised, reducing construction times and improving safety by eliminating the need for on-site joint welding. This innovation, together with Steel Mains past experience in delivering large scale pipeline projects was critical to the success of Stage 1 of the North Otago Irrigation Scheme which was delivered on time, on budget and built for generations to come.

**Project**: North Otago Irrigation Scheme Stage 1

**Principal**: North Otago Irrigation Company

**Location**: North Otago – New Zealand

**Completion**: October 2006

**Supplied**: 8.5km of 1145OD and 1.5km of 960OD Sintajoint® MSCL Pipe

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