

case study: Amethyst Hydro



project: Amethyst Hydro Pipeline

client: IPLEX Pipelines

location: New Zealand

product: Flowtite GRP and Fittings

manufacture & supply: 500m of DN1000 PN16 SN5000, 500m of DN1000 PN25 SN5000, 600m of DN900 PN32 SN10000, 50m of DN1000 PN25 SN10000

value: < \$1m

year of project: 2011—2012

description: The Amethyst River Hydro Scheme, located on the West Coast of New Zealand's South Island, is being built for Westpower and on completion in early 2013 will provide a peak output of 7MW. The project is a 'run of river' scheme so no dam and storage lake is required. The water taken from the river is diverted through a 1 kilometre tunnel through the mountain, via the penstock pipework and into the turbine before making its way into the Whanganui River.

These pipes were supplied in 11.5m lengths and transported via 40 foot shipping containers. The ability to handle high pressures at larger diameters whilst maintaining a larger bore and cost competitiveness is the reason for selection of Flowtite GRP.

