

Reference Project

Energy

Industrial Coatings: Kaimai Hydro Power Station

Location Kaimai Hydro Power Station, Tauranga

Date 2000, 2001 and 2004

Client Trustpower NZ

Abseil Access Ltd were chosen to provide a coatings and corrosion survey of the interior steel surface of the twin penstocks. Each penstock descends for 700m down a steep slope to feed the main turbines

Due to operational requirements, the project had to complete within 5 day periods during turbine overhaul.

All corrosion sites were marked and recorded as well as adhesion and DFT testing of the existing coating. Work began immediately on the corrosion sites with power tools working to ST2. All sites had 2 coats of high build epoxy applied following an Altex specification.

The top section of the concrete conduit feeding the penstocks was included in the 2004 inspection. In this section, each of the 80 joints were water blasted clean and mastic filler applied.

Projects like this involving confined space, working at heights, poor ventilation, power tools and epoxy paints present a unique combination of problems and hazards.

