



1 Engineers working on the various site calculations. 2 View from the chairlifts. 3 Inspection of the chairlift operating base site.

CHRISTCHURCH ADVENTURE PARK

ENGEO for Select Evolution

Project Location: Christchurch



The Christchurch Adventure Park (CAP) is a 900 acre outdoor adventure facility located in the Port Hills of Christchurch that was developed by Select Evolution and is owned by Port Hills Leisure Limited.

The CAP is the world's first purpose built, chairlift accessed mountain bike facility and also includes four ziplines up to 1.1 km long and 186 m high.

ENGEO worked on the project from April 2014 until opening in December 2016. The services included geotechnical engineering for buildings, chairlift and zipline foundations, rockfall hazard assessment, hydrological modelling and environmental monitoring.

The construction period was originally intended to be 20 months, however owing to funding timeframes this was compressed into eight months. The tight timeframe meant ENGEO had to undertake investigations and design during the actual construction phase without impacting on construction sequencing or quality.

This was achieved through having close, collaborative client and contractor relationships, and by taking a highly pragmatic approach to all aspects of our work.

While there was no single aspect of this project that was entirely new in terms of engineering design, ENGEO's approach to the project was innovative in the way we managed our aspects of the project. CAP opened on time and within budget on 20 December 2016.

The client has worked with several engineering firms in Christchurch and has on many occasions stated that ENGEO is the only company they would continue to work with in the future.

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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