



BUSINESS AREA: MOBILE APPS & IT

Case Study

SnowyLive

We partnered with energy company Snowy Hydro Limited to create the “Snowy Live” app for phones and tablets.

Integrated with Snowy Hydro’s data, the app enables Apple users to access lake level, snow depths and water release information in real-time, wherever they are.

Snowy Hydro operates within the iconic Snowy Mountains, a popular tourist destination and valuable agricultural region in New South Wales. They schedule controlled water releases to meet the energy needs of the National Electricity Market, potentially affecting lake and river levels. Snowy Hydro also manages a number of snow fields and provides updates on snow depths throughout the snow season.

The app provides water level information for three lakes, Eucumbene, Jindabyne and Tantangara and water release data for three dams, Jindabyne, Tantangara and Khancoban. It provides snow depths for Spencers Creek, Deep Creek and Three Mile Dam. To make the app more convenient, since most people will only be interested in one lake, dam or snow field at a time, we ensured users could select the lake(s) or dam(s) or field(s) they are most interested in and ‘favourite’ them. For example, if a user was interested in Lake Jindabyne, they could select this lake as a favourite.

Access to this lake’s data is then available directly from the home page, both as a “favourite” but also showing the current lake level, snow depth or water release rate in a scroll area above the buttons. In addition to displaying real time information, the Snowy Live app is also a valuable source of information for tourists visiting the Snowy Mountain region. It contains web links and contact information for the Snowy Hydro Visitor Facilities and caravan and camping parks, helping tourists plan their visit.

Customer Profile

www.snowyhydro.com.au

Company

Snowy Hydro Limited

Location

New South Wales

Industry

Water Management

Product

SnowyLive

Solution

A HTML5 mobile app developed to run on iOS and Android phones and tablets, integrated with real time data published by Snowy Hydro.

Benefits

- Supports iOS and Android from one code base
- Seamlessly integrated with real time data published by Snowy Hydro Limited
- Allows users to customise the display to the information they are most interested in



The Issue

Prior to the release of the Snowy Live app, people could access information through Snowy Hydro's website, however the app makes this information conveniently available to tourists holidaying in the region and to farmers planning their agricultural activities. The app integrates real time data from Snowy Hydro into the app, meaning there is no need to re-release the app whenever changes occur. It is an immediate, cost-effective solution for people visiting or living in this region. Snowy Live was built using HTML5 technology. This means the app is built using web technologies and then compiled into native apps for Android and iOS. Using this approach, we only had to write the code once, which is both quicker and cheaper than

The Solution

Spatial Vision developed the Snowy Live app using HTML5 technology which enables a single code base to efficiently be deployed to both types of phones. Snowy Live is a user-friendly, interactive and customisable app that provides real-time lake levels, water release and snow depth information, drawn directly from the Snowy Hydro Limited web site. In addition the app provides a directory of visitor and camping facilities as well as important safety information.

Key features include:

-  Application that works across Android and iOS
-  Displays authoritative data published in real time by Snowy Hydro Limited
-  Information once downloaded is cached on the device for offline viewing
-  Ability to select favourite lakes, dams or snow fields and have the information displayed on the home screen for easy access

The Benefits

- ✔ Works from the same data source as the Snowy Hydro website
- ✔ Easy to use for a non-technical audience
- ✔ Runs natively on mobile phones and tablets
- ✔ Shared HTML5 codebase between iOS and Android allowed for quicker and more cost effective development
- ✔ Cost effective solution - no proprietary software licensing costs

We created an app that integrates with real time data to assist users.

[Can we help you?](#)

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