

Tonkin & Taylor Uses SharePlus to Respond to Devastating Natural Disaster in New Zealand

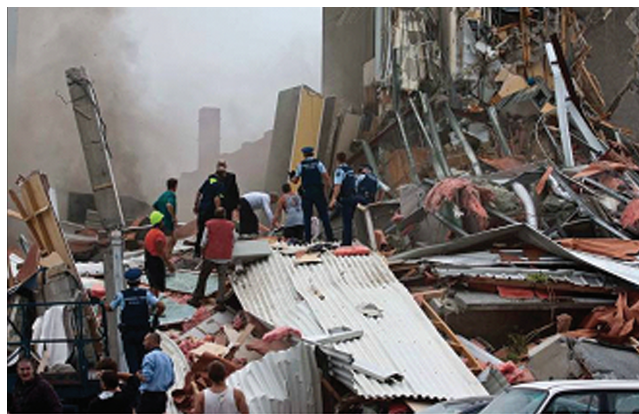
SouthLabs' (now part of Infragistics) SharePlus app helps one engineering firm with national recovery planning after major earthquake.

The Problem

The Canterbury region of New Zealand suffered a series of devastating earthquakes from 2010-2011.

On September 4, 2010, the first earthquake hit Christchurch, the largest city on New Zealand's South Island. The magnitude 7.1 earthquake caused significant damage for the city and surrounding region. Fortunately, there were no direct fatalities.

Disaster struck Christchurch again on Tuesday, February 22, 2011. A magnitude 6.3 earthquake, with an epicenter only 10 kilometers outside of the city, severely damaged many buildings and landmarks. With a death toll of 181, it was the second-deadliest natural disaster recorded in New Zealand's history. New Zealand's government quickly organized an emergency management structure to



deal with rescue operations, and for the first time ever, declared a National State of Emergency. The response was quick and well organized. All government agencies were involved in the rescue operations.

Already vulnerable from two large earthquakes, Christchurch was rocked again by a large aftershock on June, 13 2011. While this resulted in more liquefaction and building damage, no additional lives were lost.



Rattled by three large earthquakes in the short span of nine months, New Zealanders were anxious to begin recovery. Tonkin & Taylor, a well-recognized environmental and engineering consulting firm, was pulled in to survey the damage done and make recommendations regarding land no longer suitable for residential occupation.

However, Tonkin & Taylor rely on

SharePoint for much of their work. Land damage assessment in remote areas with no access to electricity or communications was going to be a challenging task.

“If you are using SharePoint without using SharePlus you are missing out on a world of possibilities.”

Iain Billington
ICS Engineer at Tonkin & Taylor

“Tonkin & Taylor’s work is an essential resource on the road to recovery from the disaster, and we are proud of being able to help.”

Gabriel Lopez,
Product Lead at Infragistics

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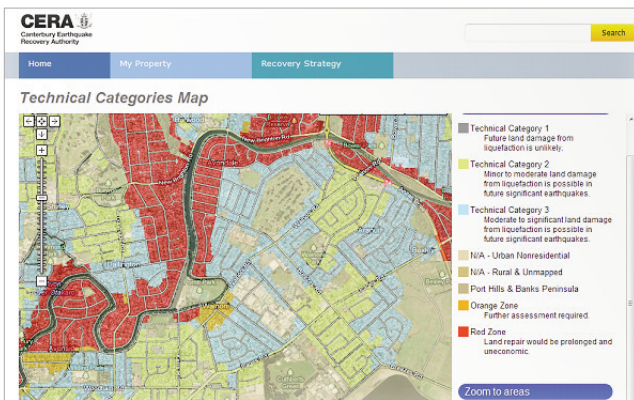
The Solution

Facing an emergency scenario, Tonkin & Taylor began researching potential solutions. They considered the possibility of gathering all data using offline iPads and iPhones on the field, and later processing it back at their headquarters. They contacted SouthLabs, creators of the mobile SharePoint app, SharePlus, for assistance.

With SharePlus installed on their devices, Tonkin & Taylor was able to map both area-wide and individual property damage, and meet the high priority research needs of the New Zealand government. “When we hit a limitation to the app, we contacted SouthLabs to provide custom features. They were very quick at understanding what we needed and coding it up for us,” said Iain Billington, ICS Engineer at Tonkin & Taylor. “They handled all the complexities, delivered a file we could easily distribute to our fleet of iPads, and kept us up to date as new versions were released.”

The Result

Today, Tonkin & Taylor’s effort continues, and the Canterbury Earthquake Recovery Authority publishes the results of their work on the website <http://www.landcheck.org.nz> in order to help property owners determine the status of their land.



rebuilding cost of around NZ\$20–30 billion) in New Zealand’s history. The silver lining of such a tragedy can be found in the quick and efficient response by the New Zealand government and Tonkin & Taylor’s research.

“There is nothing like SharePlus on the market. This application is deceptively powerful, stable and easy to use,” shared Billington. “If you are using SharePoint without using SharePlus you are missing out on a world of possibilities.”



About Infragistics:

As the world leader in user interface development tools and experts in User Centered Design, Infragistics empowers developers to build and style immersive user experiences and rich data visualization in line of business applications across all platforms — Windows Forms, WPF, ASP.NET, Silverlight, jQuery, Windows Phone and SharePoint. Infragistics also has a range of value-added services including UI testing tools, support, training and consulting services. For additional information on Infragistics, products and career opportunities, please visit www.infragistics.com or call us in the U.S. at +1 (800) 231-8588, +1 (609) 448-2000, in Europe, the Middle East, or Africa (EMEA) at +44 (0) 203 405 3260, or in Japan at +81-3-5474-8040.

About Tonkin & Taylor:

Tonkin & Taylor (T&T) is a New Zealand owned, specialist environmental and engineering consultancy providing innovative, cost effective and sustainable project solutions. We are committed to working in partnership with our clients and believe that effective teamwork leads to outstanding results. Our team of specialist engineers, scientists, planners and project managers, together with our track record on major projects, enables us to effectively respond to client needs. We operate across a range of industry sectors throughout New Zealand, Australia, the Asia Pacific region, Africa and the Middle East. Our clients include central and local government, major international lending and donor agencies, commercial organisations, industry, developers, contractors, private individuals and consultants.