



Innovation ways reap rewards for Ceres



Engineering

B&C BUILDERS & CONTRACTORS Ceres NZ

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A demolition and asbestos removal company who specialise in cleaning up the aftermath of New Zealand's most severe natural disasters, including the Christchurch earthquakes, have won two national awards.

Ceres New Zealand were awarded the Environmental Best Practice award for their services on the Christchurch QEII Park land remediation, and NZDAA Contractor of the Year – the overall award for the event – by the New Zealand Demolition and Asbestos Association (NZDAA) in November last year.

Ceres business development and marketing manager, Rebecca Marley says the NZDAA awards show-cased a wide range of demolition and asbestos removal projects undertaken by contractors over the past year.

"The case studies Ceres submitted for the awards demonstrated the innovative solutions we deliver on demolition and asbestos remediation projects nationwide," says Rebecca.

On the QEII Park project Ceres developed a system to remediate the asbestos contaminated material on-site, which resulted in a considerable cost saving to their client and benefitting the environment by reducing the amount of contaminated material sent to the landfill.

In Wellington they worked on a rapid demolition project at Molesworth Street. "This building was structurally compromised as a result of the 13 November 2016 earthquake and was immediately demolished utilising Ceres' CAT 385 high-reach demolition excavator," says Rebecca.

At the Chatham Islands, on Waitangi Wharf, Ceres were asked to tackle pile cutting. "Our specialist concrete cutter designed an underwater hydraulic wire-saw to remotely cut piles at the base, before being removed by crane."

Some of the most challenging, but rewarding work Ceres undertook included

using implosion on damaged Christchurch buildings. Implosion is a controlled demolition technique, which involves strategic placing of explosive material and timing of the detonation, causing the structure to collapse onto its own footprint within seconds.

"Ceres saw implosion as a valuable methodology for both Radio Network House and the former Christchurch Central Police Station. These were the first and only building implosions carried out in New Zealand. There were many challenges faced in the planning and execution on these projects, such as dilapidation surveys and protection of adjacent buildings, including the Christchurch City Council Offices," says Rebecca.

Ceres New Zealand was established in early 2011 as the New Zealand arm of the U.S. company, Ceres Environmental Services, Inc. Ceres has over 40 years' experience in disaster relief as one of the largest and strongest international recovery companies.

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Ceres NZ carried out the urgent demolition of 61 Molesworth Street, Wellington shortly after the November 2016 Earthquake utilising their CAT 385 high-reach excavator.



The idea to complete

The idea of concept to complete project is not new, and through there are numerous examples of famous architects and builders. Herod in 4BC, considered "the greatest builder in Jewish history". He is famous for his colossal building project throughout Judea.

His was one of intense planning, verification, build and completion. Despite his brilliance the concept

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risk management was not a core concept he embraced. People were expected to be replaced by another man, and the realisation of the finished project key objective.

In the modern era, concept to complete has influencers which are no longer to be negated. The backers and clients and regulators and count now involved at varying stages in successful and safe completion.

An important process step of the risk management expert in the stages has now bought another to projects. A correctly planned project which has considered risk as a primary consideration now ensures better rather than the traditional fix-it concept of yesteryear.

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