

High Definition Scanning – What’s the Buzz?

Vanda Kadlecikova and Rowan Hallam (New Zealand)

Key words: Engineering survey; Laser scanning; Point Cloud; Cyclone; P40; P20; Leica; Woods Laser Scanning

SUMMARY

The rapid adoption of high definition scanning (HDS) continues to generate a lot of buzz. There are no doubts that laser scanning is taking a leading position in the Geomatics world. Over the past 2-3 years, a boom in the Laser Scanning industry has occurred leaving many wondering which direction it will take. In times of modernization, automatization and where Health and Safety plays such a crucial role in the work we do, HDS technology has proven to be in an irreplaceable position in the market.

Laser Scanning, even during its short period of its existence, has been going through trendy changes – as the market has changed. Scanners, software and methodology always promptly responded to these changes. Initially scanners were primarily used in plants, but they quickly expanded into architecture, transportation, forensics and much more including post-earthquake (post-disaster) applications. Laser Scanning provides a quick and exact evaluation of environments and situations using an innovative solution.

Woods is a leading professional services company with two New Zealand offices located in Auckland and Christchurch. We became one of the first companies to introduce 3d laser scanning into the New Zealand marketplace and have now proved ourselves to be a leading provider, creating a dedicated, specialised department: Woods Laser Scanning. Within our team we have the skills, capability and capacity to provide our clients with collectively more than a decade of laser scanning experience, both locally and internationally.

This presentation will walk you through Woods laser scanning portfolio of projects showing the diverse range of applications that laser scanning has led us to. Not only interesting applications associated with Christchurch after the earthquake, but also a whole diverse world of applications

including aircraft modelling, the movie industry, tunnels, visualisation, railway, monitoring, aviation, civil and structural infrastructure, plant amongst other interesting industries.

High definition scanning is creating a buzz and as Terence Howard said ‘When you hear buzz around the beehive, you know they’re making honey in there’.

High Definition Scanning – What’s the Buzz? (8162)
Vanda Kadlecikova and Rowan Hallam (New Zealand)

FIG Working Week 2016
Recovery from Disaster
Christchurch, New Zealand, May 2–6, 2016