



News from
12d Solutions



The Dirt Digger



Welcome...

to the **December 2011** issue of the **Dirt Digger**. Here we are again, and what a year 2011 has been!

Our programmers have been very busy, working away on 12d Model 10. The rollout is scheduled for the New Year, in the wake of a series of very successful 'What's New In 12d Model 10' seminars

In this issue we will also look at:

- 12d Model 10 goes Beta
- Sales Region of the Year
- 12d Surveyors winning awards
- 12d helps rebuild Christchurch
- 12d Field Update
- 2012 User Conference

The **Sydney Head Office of 12d Solutions** (which ships 12d Model, and issues invoices, nodes files, Practise authorisations and Forum validations) **will be closed** from the afternoon of Thursday 22nd December 2011 and will re-open the morning of Tuesday 3rd January 2012. If you have any urgent problems over the break, please leave a phone message on **+61 2 9970 7117** or email **support@12d.com ... and have a wonderful holiday season!**

Regards,

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Managing Director
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Mr Alan Gray
Technical Director
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Stop Press!

It's the news you've been waiting for...

12d Model 10 has commenced its Beta phase, getting ready for release in the first quarter of 2012. See "What's New in 12d Model 10' Seminars" on p2 for more details.



Sales Region of the Year

Critical Image in WA and Extra Dimension Solutions in NSW/ACT/SA pushed hard, but Queensland has done it yet again ... and was "Sales Region of the Year" for Financial Year 2011.

The Global Financial Crisis grinds on, but the 12d ranks continue to swell, and we give a 'big welcome' to all our new comers (see Page 4 - 'Welcome Aboard' - for some of the customers who've purchased or upgraded in recent times).

12d surveyors win awards

Congratulations to Tony Bitz from Queensland Transport and Main Roads, who has won the APSEA 2011 award for Spatial Professional of the Year, awarded by the Surveying & Spatial Sciences Institute (SSSI). And more congratulations to Andrew Perry of Tauranga and Todd Airy of Christchurch, who have both won the Bogle Young Surveyor of the Year awards.

The awards — which were presented at the Surveying and Spatial Sciences Conference 2011 held in Wellington, NZ — acknowledge the great achievements these surveyors are making.

\$15,000 for clever users

The first **12d Innovation Competition** will open in January with a prize pool worth \$15,000 — including \$5000 first prize, \$2000 second and \$1000 third, plus training packages for the winners' companies.

To enter, you'll tell us how you used 12d in an innovative way to solve a problem or to develop a new way of doing things.

Entry forms and full details will be on the 12d and



EXDS websites from January 1. Stay tuned...

12d helps rebuild Christchurch

The \$2 billion rebuilding of Christchurch is one of the biggest and most complex civil engineering projects New Zealand has ever seen.

The city was hit by four major earthquakes over 10 months, the magnitude 6.3 quake in February 2011 being the most destructive.

It resulted in the loss of 181 lives, and caused unprecedented damage that left the 376,000 residents without even basic infrastructure and services.

The massive rebuild task has started, and the design teams at work on restoring the devastated infrastructure could have used any civil software.

But they chose 12d Model -- because it provides the best integrated package for surveying, preliminary and detailed design, construction and producing as-built drawings.

The project is being carried out by the Stronger Christchurch Infrastructure Rebuild Team (SCIRT), an alliance involving Christchurch City Council, Canterbury Earthquake Recovery Authority (CERA), New Zealand Transport Agency (NZTA), City Care, Downer, Fletcher Construction, Fulton Hogan, and MacDow New Zealand. It will also see major involvement from GHD, URS, Sinclair Knight Merz, Beca Opus and Eliot Sinclair.

And 12d Model will be helping the SCIRT teams across the alliance tackle a huge amount of work, in a project that will take at least five years.

An estimated \$2.5 billion worth of replacements or repairs are needed to more than 200km of roads and 800km of pipes for water, wastewater and stormwater, as well as a large number of water reservoirs, bridges and public parks.

"12d Model is being used as the civil engineering database and for all the civil engineering functions including the surveying, drainage and sewer design and road design," 12d Solutions Managing Director Lee Gregory said.

"To help with the vast rebuild effort, 12d NZ are currently conducting "train the trainer" courses for drainage and civil design, and training for the SCIRT 12d Lead Designers.

"All the surveying is being done for SCIRT by consultants using 12d Model," he said.

New Zealand government Earthquake Recovery Minister, Gerry Brownlee, said Canterbury had been amazingly resilient over recent months, with residents willing to make changes to meet the challenges of the devastated areas.



"Through earthquakes and snowstorms the city is still getting up and going to work," Mr Brownlee said.

"Despite all they've been through I believe confidence is growing among Cantabrians, and with good reason."

'What's New in 12d Model 10' Seminars

'What's New in 12d Model 10' Seminars have already been held in Queensland, Victoria, Western Australia and New Zealand.

The incredible number of new features and enhancements made for a packed agenda. Highlights included Components, Named Parts, Apply Many Manager, 12d Field and 12d Drainage enhancements, GIS interfacing and Timelines.

The seminars provided valuable feedback before 12d Model 10 was finalised. Stay tuned for the new feature called "Snippets"!

Further seminars will be held in **NSW, SA, ACT, UAE, UK, Ireland and Europe** in 2012.

12d Field Update

Welcome on board, Trimble

Through an agreement with Trimble and Sitech Australia, 12d Field in 12d Model 10 supports the SPS 630, 730 and 930 series of Total Station instruments when running on the Trimble tablet PC and radio.

Leica update

Leica and C.R. Kennedy have released the CS25 tablet with daylight readable screen, fast processor, and heavy duty battery for a full day's usage. The Surveyors' model CS25 is also available with a built in RH15 radio to connect with the TS15 Total Station and a sealed 12d dongle housing for weatherproofing.

Topcon communication solution

Topcon has released a new pole/prism mounted "Quick Lock RC-4 System with integrated robotic radio" for total station communication. A tablet PC connects via Bluetooth to the RC-4, which transmits to and receives from the Image Station, 9000 and Quick Station. This removes the need for a radio attached to the tablet PC to communicate with the instrument.



12d® Model Conference 2012

INTERNATIONAL USER CONFERENCE

Registrations are already rolling in for the 2012 12d Model International User Conference, to be held on **Sunday 29, Monday 30 and Tuesday 31 July 2012**, in the new 'Grey Street' section of the **Brisbane Convention and Exhibition Centre**.

The Conference theme will be **'Bringing it all together'**.

We are proud to announce two industry leaders — Brown Consulting and C.R. Kennedy — as Sponsors of the Conference Dinner.

BROWN Smart Consulting With a track record dating back almost 60 years, Brown Consulting has experience across a diverse range of projects, locally and internationally, including urban development, roads and traffic, building and structures, water and the environment, town planning, and surveying.

Brown Consulting — who were Conference sponsors in 2007 and 2010 — have many exciting projects underway, including: Belconnen to Canberra City Busway, ACT; Ballina Bypass, NSW; and Six Mile Creek, Qld.

C.R. KENNEDY SURVEY SOLUTIONS C.R. Kennedy Survey Division has many involvements with industry events, partnerships and sponsorships. They consider their involvement with 12d Solutions to be an important partnership, not only because of the compatibility of the products, but also because of the increasing Leica customer demand for 12d Software, both in the office and out in the field.

Sponsorship of the 12d User Conference allows us to spotlight the level of technical and corporate expertise in our field, and reinforces to your client base that 12d Model will do everything to help you provide them the quality, stability, support and the final result they expect. Sponsorship opportunities are available in the following categories: Website package; Web and Email Package; Welcome Event Package; and Gold Package. Please contact us at conference@12d.com for more details.

Visit www.12d.com/aus/conference for more information.

Who Attends The Conference (Role Type)?

Civil Engineers and Designers (over 50%), Surveyors (14%) and a variety of other delegates including Asset Managers, Technical Officers and Staff, and Business Development Managers. GIS, government, media and hardware/instrument suppliers are also represented in our list of delegates.

Who Attends The Conference (Role Level)?

Top Level Managers (19%), Advanced Users (51%), Basic Users (28%), Other (2%).

We look forward to announcing our guest speakers, Birds of a Feather topics, and much, much more, so stay tuned!

**Results taken from the 12d Model International User Conference 2010 Survey. 118/422 delegates responded, and a scoring scale of 1-10 was used where 1 = Poor and 10 = Extremely satisfied.*

Survey Question	Rated > 7/10 *
Venue satisfaction	Over 90%
Topic rating	82.2%
Speaker rating	85.6%
Birds of a Feather sessions	83.05%
Conference Pack	83.05%
Overall satisfaction	88.13%
Attend future conference	93.22%

Sales & Support

AUSTRALIA

NSW, ACT & SA

Extra Dimension Solutions
support@exds.com.au

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(02) 9453 9449 (Support)

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(08) 9574 6816 (Support)

WA - Survey

12d Solutions
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QLD & NT

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ASIA

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JAPAN

Forum8

anita@forum8.co.jp

Ph. +61 2 9130 1448 (Sales)

MALAYSIA - Design

Astasoft

caru@astasoft.com.my

Ph. +60 3 8075 6133 (Sales)

FIJI

Lukemine Enterprises

lukemine@connect.com.fj

Ph. +679 337 0858 (Sales)

OTHER REGIONS

12d Solutions

info@12d.com



Welcome Aboard to our New Licences and Upgrades from...

- 4M Civil – WA
 AAM Group - WA
 Abigroup – NSW, Qld, Vic, WA
 Access Land Surveying – NZ
 Acclaim Consultants – NZ
 Acor Baseline Consultants – Qld
 Acor Consultants – NSW
 AD Drafting – Vic
 ADW Johnson – NSW
 AECOM – NSW, Qld, Vic, WA; NZ
 Aerodrome Management Services – WA
 Al Hamra Construction Co. – UAE
 Al Jaber Construction – UAE
 Allroads - Qld
 Alluvium Consulting – Qld
 Apex Surveying – NZ
 Argot Consultants – Vic
 Arup – Qld
 Asset Mapping and Surveying – NSW
 Aurecon Group – Qld; NZ; UAE
 Ausenco – Qld
 Auspat Australia – NSW
 Australian Survey Hire – Qld
 Axis Consultants – NZ
 Babbage Consultants – NZ
 Baker Drafting Services – WA
 Barkley Engineering – WA
 Barry Gale Engineers – Vic
 Bay of Plenty Regional Council – NZ
 Beca – NSW, Qld, Vic; NZ
 Bereza Civil Surveys – ACT
 Bert Kroon & Associates Consulting Engineers – NZ
 Beveridge Williams – Vic
 BG & E Consulting Engineers – WA
 BGC Contracting – WA
 Big Fish Estimating – WA
 Bloxam Burnett and Oliver – NZ
 BMD Group – Brisbane, Townsville
 BMT WBM - Qld
 Boland Survey and Design – Qld
 Bornhorst and Ward – Qld
 Boulder Planning – NZ
 Brandon & Associates – Qld
 Brierty Contractors – WA
 Briscoe Resources – NSW
 Brock & Associates – Qld
 Brown Consulting – ACT, NSW, Qld, Vic
 Bruce Alexander Surveyors – NZ
 Buckton Consultants – NZ
 Bundaberg Regional Council – Qld
 Buro Happold – UK
 Byrne Surveyors – Qld
 C Surveys – NZ
 C4 Advanced Solutions – Abu Dhabi
 Calibre Projects – WA
 Calibre Rail – Qld, WA
 Cardno – NSW, Qld, Vic, WA; NZ
 Cassowary Coast Regional Council - Qld
 Cato Bolam Consultants – NZ
 Central Surveys – NZ
 Centrepoint Surveys – NSW
 Charles O'Neill – Qld
 Charter Keck Cramer – Vic
 CHill Surveys – NSW
 Chris Smith & Associates – Vic
 Christchurch City Council – NZ
 CID Consultants – WA
 City of Whyalla – SA
 City of Wodonga – Vic
 Civil Contractors – Qld
 Civil Services – NZ
 Civil Site Services – NSW
 CKL Surveys – NZ
 Clark Land Surveyors – NZ
 Coffey Geotechnics – NSW
 Coffs Harbour City Council – NSW
 Complete Urban – NSW
 Construction and Development Surveys – WA
 Costin Roe – NSW
 Covey & Associates – Qld
 CPG – Vic; NZ
 CQ Soil Testing – Qld
 Craig and Rhodes – NSW
 Custom Spatial Solutions – SA
 Cuttriss Consultants – NZ
 Daracon Group – NSW
 Dararath Theam – WA
- Darkcloud – Qld
 Davies Lovell Smith – NZ
 Davis Consulting and Design Company – Vietnam
 de Groot and Benson – NSW
 De La Salle University – Philippines
 Demeyne Aviation – ACT
 Denliquin Council – NSW
 Dennis Price and Miller – Vic
 Department of Environment and Resource Management – Qld
 Department of Military Works – UAE
 Department of National Roads – Fiji
 Department of Transport and Main Roads – Qld
 Development Engineering Consultants – WA
 Dinas Pu-Tamben Prov Kepri – Indonesia
 DKS Consulting – Qld
 Downer EDi Works – Qld, WA; NZ
 DPI – Construction Division NT – NT
 DTEI – SA
 Duncan Consultants – NZ
 Dutco Construction Co. – UAE
 Dynamic Satellite Surveys – Qld
 e2 Environmental – NZ
 Ed. Zublin AG Abu Dhabi – UAE
 Electro Magnetic Detection Services – Malaysia
 ElectroNet Services – NZ
 Eliot Sinclair & Partners – NZ
 Emerson Stewart – WA
 Empire Engineering – Qld
 EnergeX – Qld
 Engenium – WA
 Engineering and Mapping Surveys – Qld
 Engineering Surveys – SA
 ESO Surveyors – NSW, Vic
 ETS Group – Qld
 Fastnet Engineering Services – WA
 FK Gardner & Sons - Qld
 Flame Tree Developments – NZ
 Flat Out Surveying – Vic
 Fluor Australia – WA
 Fraser Coast Regional Council – Qld
 Frogzy – NZ
 Fugro Spatial Solutions – WA
 Fyfe – SA
 Galfar Engineering and Contracting – Oman
 GEO Image Services – NSW
 Geo-Metric Surveying – NSW, Qld
 George Callister – Vic
 GHD – Qld, Vic
 Gladstone Regional Council – Qld
 Glenfield Junction Joint Venture – NSW
 GM-CCS – Qld
 GNS – NZ
 Gold Coast City Council – Qld
 Greenfield Technical Services – WA
 Greenhill Engineers – SA
 Ground Developments - UK
 Hadley Consultants – NZ
 Halcrow - Qld
 Halls Frupp Surveying – Qld
 Hanger and Kelly – Qld
 Hard and Forester – NSW
 Harrison Grierson – Qld; NZ
 Hawker Moss Surveyors – WA
 Hepburn and Thorpe – Qld
 Hewatt Earthworks – ACT
 Hibiscus Contractors – NZ
 Highland Infrastructure Group – Qld
 Hinterland Surveys – Qld
 Hopkins Consultants – NSW
 Horizon Surveys – WA
 Hughes Trueman – NSW
 Hyder – Qld
 I² Consulting – Qld
 ICW – Incidental Civil Works – NSW
 Indesco Consulting Engineers – ACT
 Infinity Surveys – ACT
 Insight Survey – WA
 Intelara – Qld
 Ipswich City Council – Qld
 Irwinconsult – Vic
 Jacobs Group - Qld, Vic, UK
 Japher Kiongoli – NSW
 JDSi – WA
 John Holland Group – Qld
 J.P. Engineering Surveys – Qld
- Juffermans Surveying – NZ
 Karim Lihb – NSW
 Kehoe Myers – Qld
 Kellogg Brown and Root – Qld, WA
 Khansaheb Civil Engineering – UAE
 King and Campbell – NSW
 KN Group – Qld
 L & M Consulting Services – NSW
 Lamb and Molloy – NZ
 Lambert and Rehbein – Qld, Vic
 Land Development and Exploration – NZ
 Land Dimensions – NZ
 Land Surveys No Problems Just Solutions – Qld, WA
 Landmark Surveys – NSW
 LandPartners – Qld
 Laser Services – Qld
 Leighton Abigroup JV – Qld
 Leighton Contractors – NSW, WA; NZ
 Lester Franks – Qld
 Locaters – NSW
 Logan City Council – Qld
 Luxonline – Vic
 Lynton Surveys – NSW
 Lysaght Consultants – NZ
 M S Gawadar Development Authority – Pakistan
 McCormick Rankin Cagney – Qld
 McCracken Surveys – NZ
 Mackay Regional Council – Qld
 Mackay Surveys – Qld
 Macmahon Contractors – WA
 McMahan Servivces – SA
 McPherson and Goodwin – NZ
 Main Roads Western Australia – WA
 Martens & Associates – NSW
 Martin Harris – Vic
 Mas Civil Surveys - NSW
 Meeres Civil Engineering – UK
 Melbourne Airport – Vic
 Millar | Merrigan – Vic
 Minconsult – Malaysia
 Mine Survey Services – WA
 MinStaff Survey – Qld
 MJM Solutions – NSW
 Monteath and Powys – NSW
 Moreton Bay Regional Council – Qld
 Morvale Developments – Qld
 MPA Surveying – Qld
 MPN Consulting – Qld
 MS Design and Drafting – Vic
 Murray & Associates – Qld
 Murrumbidgee Irrigation – NSW
 MWH – Qld; NZ
 MYD Consulting Engineers – NSW
 Nassir Ali – WA
 Newell Engineering Group – Qld
 Newnham Karl Weir & Partners – NSW
 Nexalides – UAE
 NQ Civil Design Solutions – Qld
 Ocean Park Consulting – Qld
 OMAE Surveys – NSW
 O'Neill Surveying – NZ
 Onyx Projects – WA
 Opus – Qld; NZ
 Origin Energy - Qld
 Ostwald Bros Civil – Qld
 Otago Polytechnic – NZ
 Pacific Survey – NSW
 Paroissien Grant & Associates – Vic
 Parsons Brinckerhoff – NSW, Qld, Vic; Philippines
 Paterson Pitts Partners – NZ
 Pesora Metro – Malaysia
 Phillip Xeros – NSW
 Pirie Surveying – NZ
 Praxis Global – WA
 Precision Survey Group – NSW
 Projectum – ACT
 Projenz South Island – NZ
 Projex North – Qld
 ProSurv – NSW, Qld
 Proteus Engineers – WA
 PT Duta Graha Indah TBK – Indonesia
 PT Kalimantan Citra Bara – Indonesia
 PT Pama Persada Nusantara – Indonesia
 PT Penajam Prima Coal – Indonesia
 PT Tambang Batubara Bukit Asam – Indonesia
- Public Transport Authority – WA
 Pyrenees Shire Council – Vic
 Queensland Rail – Qld
 Queensland Urban Utilities – Qld
 Rafiki Surveys – Qld
 Rangitikei District Council – NZ
 Reed Constructions Australia – NSW
 Reburn and Bryant – NZ
 Richard Wood – Vic
 Riley Consultants – NZ
 Rio Tinto – WA
 Roads and Traffic Authority – NSW
 Robert Bird Group – Qld, Vic
 Rose Atkins Rimmer – NSW
 RPC – NZ
 RPS – Brisbane, Cairns, Gladstone, Mackay, Sunshine Coast (Qld)
 RPS Aquaterra – WA
 Ryan Consulting Group – NSW
 Sagittarius Mines – Philippines
 SEE Civil – NSW
 Shadforth's Civil Contractors – Qld
 Shick Construction and Cartage – NZ
 Sinclair Knight Merz – NSW, Qld, SA, Tas, Vic, WA; NZ; UK
 SKS Surveys – SA
 S.L. Nolan – Vic
 Smart Civil – NSW
 SMEC – NSW, Vic, Qld, WA; Hong Kong
 SMEC Urban – Vic
 SNC-Lavalin – Qld, WA; Indonesia
 SNL Survey – Qld, WA
 Somerset Regional Council – Qld
 South Burnett Regional Council – Qld
 Southern Land CKL – NZ
 SPIE CAPAG Australia – Qld
 Stringer Surveys – Qld
 Sunshine Coast Regional Council – Qld
 Surex – NSW
 Surveyors North – NZ
 Sydney Water – NSW
 Synergy Positioning Systems – Qld
 TABEC – WA
 Tadro Dixon – WA
 Tenix Alliance – Qld
 Terraco – Vic
 TFA Project Group – Qld
 TGM Group – Vic
 The Otago Surveying Company – NZ
 The Surveying Company – NZ
 Thiess – NSW, Qld, WA; Indonesia
 Thiess John Holland Airport Link Project – Qld
 Thiess United Group Joint Venture (Trackstar Alliance) – Qld
 ThinkSpatial – Vic
 Timaru District Council – NZ
 Tomlinson and Carruthers Surveyors – NZ
 Tonkin Consulting – NT, SA
 Toowoomba Regional Council – Qld
 Topografo – NZ
 Townsville City Council – Qld
 Traffic Design Group – NZ
 Twenty20 Surveys – WA
 URS – NSW, Qld, Vic, WA
 Vassallo Constructions – Qld
 VDM Group – NSW, Qld, WA
 VFT Engineering Surveyors – NSW
 VLine – Vic
 Waimakariri District Council – NZ
 Walker Surveyors – NZ
 Wallbridge and Gilbert – SA
 Warner Land Survey - UAE
 Waterman Group – UK
 Watsons – Vic
 Weber Consulting – NZ
 Westera Partners – Qld
 Whelans Survey and Mapping Group – WA
 Wilkinson Shaw & Associates – Qld
 Wilson Survey Group – Qld
 Winward Structures – Vic
 Woden Construction – NSW
 Wood and Jepsen Consultants – Fiji
 Wood & Partners – NZ
 WorleyParsons – NSW, Qld, Vic, WA; Qatar
 WRM Water and Environment – Qld
 Xcel Surveying – WA
 Yeltuor Enterprises – Qld
 Youngs Consulting Civil Engineers – Vic

