



News from
12d Solutions

The Dirt Digger



Welcome

...to the **December 2013** issue of the **Dirt Digger**.

We have a packed issue this time!

In this issue we will look at:

- **Update: 12d Synergy**
- **Welcoming new 12d team members worldwide**
- **V11 Sneak Preview**
- **12d Drainage 2D**
- **ADAC**
- **12d Model International User Conference 2014**
- **12d Innovation Awards 2014**
- **The 12d Reseller meeting held in April**
- **12d on YouTube**

We look forward to hearing any [feedback](#) or news you might have.

Regards,

Dr Lee Gregory

Managing Director

lee.gregory@12d.com

Mr Alan Gray

Technical Director

alan.gray@12d.com

Welcome, Cameron Novini

12d has always been committed to helping the community, and to recruiting quality employees. We've found a way to marry those two concepts—through [AS Capable](#), an



employment service that specialises in providing

Asperger's Syndrome training and recruitment.

With the support of AS Capable, we hired

Cameron Novini, who has fast become an

invaluable member of the 12d team. AS Capable highlights that the key to success for

employers of people with Asperger's

Syndrome is to learn about the unique

strengths and support needs of each

employee, and to respond to the individual

needs, which has all been made possible by

accessing support from professional services.

[Here](#) is a video produced by Autism Spectrum Australia as part of their recent We Belong campaign, which features the story of Cameron joining our team.

V11 Sneak Preview...



Trimeshes are coming...

12d[®] Synergy Update

The latest product from 12d Solutions—12d Synergy—is now in Beta phase, readying for full release early in 2014.

12d Synergy is a data management and project collaboration tool which runs completely independently of 12d Model. This new product has wide-ranging uses within an organisation, and is not designed to be solely used by technical staff.

12d Synergy will house your entire job: folders, files, tasks and even relevant email correspondence, creating a single repository for all important information, including a running commentary—a single source of truth.

Stay tuned for upcoming free 12d Synergy seminars and further information on the official release...

Contact us for a demo today!

12d[®] Model

Do more with your software



12d Drainage 2D

In light of the popular response to the 'What's New in 12d Model 10 Water' seminars in Perth, Brisbane and Melbourne earlier this year, we'd like to take this opportunity to outline some of the features of 12d's new Drainage 2D and TUFLOW Interface modules and their integration within 12d Model.

12d Model quickly creates the TUFLOW ground surface (xf4/xf8 grids) for Drainage 2D analysis.

Time graphs of the results (elevation, depth velocity, or hazard results) are available on demand anywhere on the results grid, after the Drainage 2D run is complete.

Velocity vectors, depth contours and hazard areas can be presented in plan views and water levels viewed in sections.

12d Model Visualisation creates animated 3D presentations of the Drainage 2D results.



The TUFLOW tcf file editor puts the TUFLOW commands and parameters at your finger tips and you can edit files, update GIS files and xf4/xf6 grid, launch TUFLOW, read results and view check files all from one panel.

A major help for all Drainage 2D users, novice and experts, is the **RoadFlow** option which provides a quick start, going from a 12d tin to running Drainage 2D in minutes

And the Drainage 2D fully integrates with 12d's dynamic 1D drainage module.

12d office in Vancouver

To support our growing number of users in North and South America, 12d Solutions has opened an office in Vancouver, Canada, and Mark Poynter, a very experienced 12d Model user, has come on board to support, sell and train throughout the Americas. If you want to introduce your company to 12d, or are looking for work in the region using 12d, please [contact](#) Mark today.

ADAC update

The IPWEA standard ADAC (Asset Design and As Constructed) is fast becoming the standard As Constructed data format nationwide.



Working with Qld Councils, the 12d ADAC interface is now in its Beta phase. Some of the benefits of the 12d approach to ADAC are:

Data Fidelity – the ADAC Schema is completely reflected inside 12d Model's parametric objects and hierarchical attributes so that there is no ADAC data loss. All data in 12d Model is in **3D**.

Integrated Work Flow – the collection and generation of ADAC data is integrated into the normal 12d Model Design-Construct-As-Built work flow

Round Tripping – 12d Model can write AND read ADAC XML files. That combined with 12d Model's ADAC data fidelity makes round tripping of data a reality.

Data Reuse – 12d Model maximises data reuse and minimised manual editing.

No Additional Cost – 12d-ADAC is part of the relevant 12d Model modules and is included free of charge for customers on annual maintenance.

12d International User Conference 2014

Registrations are already rolling in for the 2014 12d Model International User Conference, to be held on **Sunday 27, Monday 28 and Tuesday 29 July 2014**, in the Grey Street section of the **Brisbane Convention and Exhibition Centre**.

At this Conference we will be highlighting all the new features in 12d Model 11, and much more. There will again be breakout sessions on Design, Surveying, and Water and Drainage, as well as a new one on 12d Synergy, so [register](#) today!

Call for User Papers

We're currently accepting papers from users who'd like to speak at the Conference or have their work presented. We have slots for User papers of different lengths (e.g. 10, 15 or 30 minutes).

If you are interested in presenting a paper and/or poster at the Conference, please [email](#) 12d.



2014 12d Innovation Awards

Due to the overwhelming success of the inaugural 12d Innovation Awards, we will again be running these Awards, with the prizes to be awarded at the 12d Model User Conference Dinner.

This time there will be separate categories for small firms, large companies and government. So get your thinking caps on - we'll be accepting these very soon!

Asia Reseller meeting 2013

12d Solutions conducted a Partner Meeting in Kuala Lumpur in April



to representatives from SoftFactory (Korea), PT Asaba (Indonesia), Jinsoon Yap Survey Solutions (Malaysia), Global Construction Solutions (Jordan), DK Outsource (Singapore), Anwaar Almostakbal (Libya) and SDM (Thailand).

During the Meeting, 12d introduced its new Partner Portal and how it will be using Video Conference technology to support its partners globally for training and customer presentations.

New Australian 12d team members

12d Solutions is pleased to welcome another three members to our hard-working team:

Paul Hardwick—Qld Training and Support—Paul has been working hard in Qld to support and train our Surveyors in that region; .

Tim Brooks —Qld Training and Support — Tim has also joined the Qld team, concentrating on training and support for our Designers.

Paul and Tim are wonderful assets to the 12d Support team.

Dr Soon Teh—12d Channels and 12d Synergy—Teh will be promoting 12d Synergy in Australia and globally.

A huge welcome to all our new team members!

12d on YouTube

Both 12d Solutions and our NSW Distributor, ExDS, continue to be active in creating and uploading wonderful videos to YouTube.

Recent additions to the [12dModelSoftware](#) YouTube channel include the 'Getting Started for Design' and 'Getting Started for Surveying' playlists, containing many informative and interesting new videos, and the [12dTrainer](#) channel now contains over 240 great videos as part of these [courses](#) available [online](#). Be sure to subscribe to these channels.

Our aim is to create material that you are interested in, so if you have any ideas of videos or content that you would like to see, [email](#) us today.

Sales & Support

AUSTRALIA

NSW, ACT & SA

Extra Dimension Solutions

admin@exds.com.au

Ph. (02) 9452 6771 (Sales)

(02) 9453 9449 (Support)

WA - Design

Critical Image/12d WA

wa.sales@12d.com

Ph. 0411 601 066 (Sales)

wa.support@12d.com

(08) 9574 6816 (Support)

WA - Survey

12d Solutions

graham.wirth@12d.com

Ph. (02) 9970 7117 (Sales & Support)

VIC & TAS

12d Victoria

vic.sales@12d.com

vic.support@12d.com

Ph. (03) 9005 7626 (Sales & Support)

QLD & NT

12d Queensland

qld.sales@12d.com

Ph. (02) 9970 7117 (Sales)

(07) 3040 7880 (Support)

UK, EUROPE, MIDDLE EAST & AFRICA

12d UK

sales@12d.co.uk

support@12d.co.uk

Ph. +44 (0) 845 051 0372 (Sales & Support)

NEW ZEALAND

12d NZ

lane@12d.co.nz

Ph. +64 27 477 7787 (Sales)

+64 4 564 3288 (Support)

ASIA

12d

soon.teh@12d.com

AMERICAS

12d Canada

mark.poynter@12d.com

Ph. +1 604 676 1706

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...

- AAM Group – WA
 ABC Consultants - NSW
 Abigroup Limited – NSW, Qld, Vic, WA
 Abu Dhabi Municipality - UAE
 Acor Consultants – NSW
 Adamson - NZ
 ADW Johnson – NSW
 AECOM – NSW, Qld, WA; NZ
 AGTEK Development Company - USA
 Al Tharawat Contracting - UAE
 Alan Liddle - NSW
 Allroads Pty Ltd – Qld
 Alluvium Consulting – Qld, Vic
 APH Contracting - WA
 Arman Larmer Surveys - PNG
 Asset Mapping and Surveying – NSW
 Aurecon Group – Qld; NZ
 Ausenco – Qld
 Auspat Australia – NSW, Qld
 Australian Rail Track Corporation - NSW
 AVMAP - NSW
 Axis Consultants - NZ
 Babbage Consultants - NZ
 Baghdad City Council - Iraq
 Bangkok Thomburi University - Thailand
 Baulderstone – NSW
 BCL Surveyors Ltd – NZ
 BCS Consulting Engineers - Vic
 Beca – Vic; NZ
 Bennett + Bennett - Qld
 Bereza Civil Surveys – ACT
 Beveridge Williams – Vic
 BG & E Consulting Engineers – Qld, WA
 BG Contracting - NZ
 BGC Contracting – WA
 Black Creek Engineering Surveys - NSW
 BMD Group – Qld
 Bolte Civil - NSW
 Bonacci Group Pty Ltd – NSW, Qld
 Boral - Vic
 Bouygues Travaux Publics - NSW
 Brandon & Associates – Qld
 Breese Pitt Dixon – Vic
 Brown Consulting (Aust.) – NSW, Qld, Vic
 Bundaberg Regional Council – Qld
 Cairns Regional Council - Qld
 Calder Harris Surveyors - SA
 Calibre Projects – WA
 Calibre Rail – WA, Qld
 Candor3 – NZ
 Cardno – NSW, Qld, Vic, WA; NZ
 Cassowary Coast Regional Council - Qld
 Cato Bolam Consultants – NZ
 Central Highlands Regional Council – Qld
 Cheal Consultants – NZ
 China Railway 1st Group - Fiji
 City of Greater Geraldton - WA
 City of Swan - WA
 Civil Drafting Services - Qld
 Civil Solutionz Ltd – NZ
 Civil Team Engineering - NSW
 Civil Technology - WA
 CJ Porter Surveys – Qld
 Clarence Valley Council - NSW
 Cogswell Surveyors - NZ
 Complete Urban - NSW
 CPG – Vic
 Craig and Rhodes – NSW
 Cross Geomatics - Qld
 Curtin University - WA
 Cuttriss Consultants Ltd – NZ
 Dalton Consulting Engineers - Vic
 Daracon Group – NSW
 Davie Lovell Smith – NZ
 Davis Ogilvie & Partners - NZ
 DC Pro Engineering - Sharjah
 De Nada Engineering Surveys – WA
 Department of Finance and Services - NSW
 Department of Military Works - UAE
 Dinas Tata Ruang Dan Tata Bangunan Pemko - Indonesia
 Downer EDi Works – NZ
 Downes Survey Group - Qld
 DPTI – SA
 Dubbo City Council – NSW
 Dutco Construction Co. - Oman
 East Bay Surveys - NZ
 Eliot Sinclair & Partners – NZ
 Emerson Stewart – WA
 Engenium – WA
 Engineering Surveys – SA
 Engineers Plus - Qld
 Ensurv - NZ
 Ertech Pty Ltd – WA
 ESO Surveyors – NSW
 Eurobodalla Shire Council - NSW
 Fifth Generation Mining - Qld
 Fletcher Construction Company - NZ
 Fluor Australia – WA
 Fortescue Metals Group – WA
 Fox & Associates - NZ
 Fraser Coast Regional Council - Qld
 Frear Surveyors - NZ
 Fulton Hogan Group - NSW
 Fyfe - SA
 Gary McLean - WA
 GEO Image Services – NSW
 Geo-Metric Surveying – NSW, Qld
 George Bourne & Associates – NT
 GHD – Brisbane, Melbourne
 GM-CCS – Qld
 Grant and Cooke - NZ
 Greenhaven Projects - Qld
 Halcrow - Qld
 Halls Fripp Surveying – Qld
 Hard and Forester – NSW
 Hardy Bros Mining and Construction - NSW
 Harrison Grierson - Qld; NZ
 Heaphy Surveying - NZ
 Henry and Hymas - NSW
 Highland Infrastructure Group - Qld
 Horizon Surveys - WA
 Hughes & Associates - NZ
 Hyder – NSW, Qld
 Indesco Consulting Engineers – ACT
 Integran - Qld
 J. Wyndham Prince – NSW
 JDSi Pty Ltd – WA
 JKS Trading - Malaysia
 John Holland Group - NSW, Qld
 Jones Nicholson - NSW
 JPH Surveys - NSW
 Kardon Consultants - NZ
 Kellogg Brown and Root – WA, Qld
 Kevin Lonergan - NSW
 Khansaheb Civil Engineering - Dubai
 King and Campbell - NSW
 KiwiRail - NZ
 Kramer Ausenco - Solomon Islands
 Laing O'Rourke - Qld
 Lane and Marine Surveying - NZ
 Land Dimensions - NZ
 Land Surveys No Problems Just Solutions – WA, Mackay
 Landmark Surveys - NSW
 Leighton Contractors – NSW, WA, Qld; NZ
 Lim Surveyors - NZ
 Linders Meten and Peilen - The Netherlands
 Logan City Council – Qld
 Lynton Surveys Pty – NSW
 Lysaght Consultants – NZ
 Lustof - NSW
 McDowall Affleck - WA
 Mackay Regional Council – Qld
 McKinnon Earthmoving - Vic
 Macmahon Contractors - WA
 McMurtrie & Associates - Qld
 McPhan Civil Surveys - NSW
 Main Roads WA - WA
 Mark Fornera - Qld
 Martens & Associates - NSW
 MCM Design and Management - Vic
 Meinhardt - Vic
 Melbourne Airport - Vic
 Memorial Park Alliance - NZ
 Millar Merrigan – Vic
 Ministry of Environment & Water - UAE
 MinStaff Survey – Qld
 Monteath and Powys – NSW
 Mortons Urban Solutions – Qld
 MPA Surveying – Qld
 MPN Consulting - Qld
 Multi Surveying – NSW
 MWH - NZ; India
 Napier City Council - NZ
 Narrandera Shire Council - NSW
 National Airports Corporation - PNG
 Newnham Karl Weir & Partners - NSW
 Nexus Surveys - WA
 Nicholson Surveying - NZ
 Office of Environment and Heritage - NSW
 Opus - NSW, Qld; NZ
 Origin Energy - Qld
 Ostwald Bros Civil – Qld
 Pacific Survey – NSW
 Pan United - Malaysia
 Paroissien Grant & Associates - Vic
 Parsons Brinckerhoff – NSW, Qld, Vic
 Paterson Pitts Partners – NZ
 PDC Design - WA
 Peter Lucena & Associates - NSW
 Peter Watson - Qld
 PIHA (Mineral Resources) - WA
 Pipeline Construction Services - NSW
 Pirie Surveying - NZ
 Pitt and Sherry - Vic
 Precision Survey Group - NSW
 Pritchard Francis - WA
 ProMet Engineers - WA
 ProSurv - NSW, Qld
 Proteus EPCM Engineers - WA
 PT Bhumi Rantau Energi - Indonesia
 PT Kalimantan Prima Persada - Indonesia
 PT Kitadin Tandung Mayang - Indonesia
 PT Pama Persada Nusantara – Indonesia
 PT Tambang Batubara Bukit Asam – Indonesia
 PT Waskita Karya - Indonesia
 Public Transport Authority – WA
 Pulver Cooper and Blackley – NSW
 Quality Roding and Services (Wairoa) - NZ
 Queensland Department of Transport and Main Roads – Qld
 Queensland Rail – Qld
 R & C Surveys - NSW
 Rail and Road Professional Services - NSW
 Ras Al Khaimah Municipality - UAE
 Ray Surveys – ACT
 RD Consulting - Vic
 Reed Constructions Australia - NSW
 Rennie Golledge - NSW
 Reyburn and Bryant – NZ
 RHM Consulting Engineers - NSW
 Riley Consultants - NZ
 Rio Tinto – WA
 Rivland Surveyors - NSW
 RJS Dynamic Systems - WA
 RMA Consulting Engineers - Qld
 Road Construction Surveys - Vic
 Roads and Maritime Services – NSW
 Robson Civil Projects – NSW
 RPC – NZ
 RPS – Brisbane, Cairns, Gladstone, Mackay, Newcastle, Sunshine Coast
 RPS Aquaterra - WA
 RTN Drafting Services - Vic
 Samsung Engineering and Construction - South Korea
 SCIRT – NZ
 Sedgman - Qld, WA
 Sedgman Yeats Consulting - Qld
 SEE Civil – NSW
 Sellick Consultants - NSW
 SEMF - Tas
 Seoyeong Engineering - South Korea
 Shamrock Civil Engineering - Qld
 Shawmac - WA
 Simon Palmer - Vic
 Sinclair Knight Merz – Adelaide, Brisbane, Melbourne, Perth, Sydney; NZ
 SJE Consulting - Vic
 SKS Surveys – SA
 SMEC - ACT, NSW, Qld, Vic; Hong Kong
 SNC-Lavalin - WA; Canada; Indonesia
 Sommerfeld Jensen Campbell - Qld
 Southfront Consulting - SA
 SPIE CAPAG - Qld
 Spiire New Zealand - NZ
 STP Consultants - Qld
 Street Developments - NZ
 Sunshine Coast Regional Council – Qld
 SurDevel - NSW
 Survey Dynamics – WA
 Survey Group – WA
 Survey Marks – Qld
 Sydney Catchment Authority - NSW
 Tahlee Consulting Services - NSW
 Taylor Miller Consulting - Vic
 Taylor Thompson Whitting - NSW
 Terraco - Vic
 Tetra Consulting - Qld
 TGM Group – Vic
 The LandPlan Group - Vic
 The Surveying Company - NZ
 Thiess – NSW; Indonesia
 Tim's Design and Drafting - NT
 Timaru District Council - NZ
 Ticon - NSW
 TMK Consulting Engineers - SA
 Tomlinson and Carruthers Surveyors – NZ
 Tonkin and Taylor Group – NZ
 Toowoomba Regional Council – Qld
 Tracc Civil - WA
 Traffic Design Group - NZ
 TRN Group - NSW
 TRS Enterprises - NSW
 TrueSouth Survey Services - NZ
 TSS Total Surveying Solutions - NSW
 UDP Consulting Engineers – Qld
 Urban Design and Management - Vic
 URS – NSW, Qld, Vic; NZ
 Vassallo Constructions - Qld
 VDM - Qld
 VEKTA - NSW
 VFT Engineering Surveyors – NSW
 Victorian Green Work - Vic
 Wallbridge and Gilbert - SA
 Water Technology – Vic
 Watsons - Vic
 Wave Engineering Solutions - WA
 Wellington Regional Council - NZ
 Wellington Shire Council - Vic
 Westera Partners - Qld
 Whelans Survey and Mapping Group – WA
 Wilson Survey Group (Qld) – Qld
 Woden Construction - NSW
 Wood and Grieve – WA
 Wood & Partners – NZ
 Woodbury Haulage and Earthmoving - NSW
 Woodside Energy – WA
 WorleyParsons – NSW, Qld, Vic, WA
 Xcel Surveying - WA
 Zorn Surveying - NZ

