



News from
12d Solutions

The Dirt Digger



Welcome

...to the **June 2016** issue of the **Dirt Digger**. Another exciting edition!

This issue will feature:

- **Technical Preview—12d Model 12**
- **Resellers of the Year—12d Model and 12d Synergy**
- **New credit card facilities**
- **Dynamic Water Supply module**
- **What's New in 12d Model 12 and 12d Synergy 3**
- **12d Field with Trimble instruments**
- **12d International Conference 2016**
- **Case Study: ESQ**
- **12d Innovation Awards 2016**

We look forward to hearing any feedback or news you might have.

Regards,

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Mr Alan Gray

Technical Director

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Conference delegates to receive Technical Preview Version of 12d Model 12

As a new innovation, all users on maintenance who attend the **12d International Conference 2016** will be eligible to download the Technical Preview version of **12d Model 12**.

This will be available straight after the **12d Conference** so that attendees can immediately try the amazing new things they witnessed in **12d Model 12**.

This will also allow you to provide feedback to the programmers before the official release in September 2016.



12d Model Reseller of the Year

The numbers are in and although Qld and NZ pushed hard, Extra Dimension Solutions (ExDS) has done it again...for the second year running, ExDS is the top **12d Model** reseller!

The ExDS team, responsible for sales, support and training in NSW, ACT & SA, continue to bring on many new users as well as expanding the usage of 12d Model amongst our existing users.

A big 'thank you' goes out to all our loyal customers, and a big 'welcome' to our newcomers.

12d Synergy Reseller of the Year

The Kiwi team led by **James Irwin** outclassed everyone for Financial Year 2016 to be the **12d Synergy Reseller of the Year**.

James, who seems to be everywhere around New Zealand, continues to not only expand the use of 12d Synergy amongst 12d Model users, but is now aggressively expanding into other markets. See the Welcome Aboard on P4 for new users.

New credit card facilities

Many of our customers are using Direct Deposit for invoice payments but we have also had requests for credit card payments, especially for smaller amounts such as 12d Conference registrations and Training Courses.

We are pleased to announce that we can now accept credit card payments for Visa, Mastercard and Amex for a fixed surcharge of 2%.

We will be adding the facility to www.12d.com but before then, please contact us if you'd like to use your credit card.



Dynamic Water Supply coming

The release of the new **Dynamic Water Supply** module for 12d Model 12 was announced at the 'What's New in 12d' webinars.

The Dynamic Water Supply module performs hydraulic analysis and models the water behaviour in pressurised pipe networks.

Networks can consist of pipes, junctions, pumps, valves, storage tanks and reservoirs.

Not only can the flow of water, pressure, and height of water in tanks be tracked but also the concentration of chemicals such as chlorine, and water age.

Very large network sizes can be analysed, and system operation can use both simple tank levels or time controls as well as more complex rule based controls.

Multiple demands with their own time patterns (e.g. house connections) and pressure dependent demands such as sprinkler heads are allowed.

Any of the time series results can be presented as graphs to help clarify the workings of the system.

The **Dynamic Water Supply** is an exciting addition to the existing 12d Model modules which now cover the Three Waters trilogy of Water Supply, Stormwater and Waste Water.

What's New in 12d Videos

As we continue to expand our market both in numbers and reach, we are faced with the need to come up with better solutions for servicing these many customers in diverse areas.

So for the upcoming releases of 12d Model 12 and 12d Synergy 3, we gave a successful series of Webinars instead of our traditional What's New Seminars.

The webinars were designed to give our existing users an insight into some of the new features and enhancements coming in both new products.

Both product releases will be showcased in more detail at our upcoming 12d International Conference, but these webinars provided an exciting preview of things to come.

The three 'What's New' webinars are now available online. See www.12d.com for details.



12d Field with Trimble instruments

An exciting new development in **12d Model 12** is the ability for **12d Field** to connect and control the Trimble S series instruments.

Tests have been carried out with S6s and S8s with a variety of prisms, and other S series instruments will follow.

This means that **12d Field** now works with the major robotic instruments from Leica, Topcon (and compatible Sokkias), Sitech and Trimble.

Come along to the 12d Conference in July 2016 to see and try the new Trimble connection, as well as those with Leica, Topcon and Sitech.

12d International Conference 2016—Silver Jubilee Anniversary

1991...Nirvana released 'Nevermind', 'Terminator 2' graced cinemas, Pierre-Gilles de Gennes won a Nobel Prize for Physics...and 12d Model (then 4d Model) was released!

From humble beginnings in the basement of the Gregory household, 12d Model has evolved over the last 25 years into a market leading product throughout Australasia, and we couldn't be prouder.

Two young men – Dr Lee Gregory and Alan Gray – had a vision back in

the late 80s when they started

this process...they wanted

to help civil designers save time and money by

offering them software which was

easy to learn and use,

and which would allow them to design everything

they needed to in one place. In the years that have

passed, 12d has continued to expand from a

concept planning tool to include detailed road and

rail design, land development, highway design,

surveying and 12d Field, urban drainage, Drainage

2D, visualisation, and 12d Synergy, and to expand

the team that helps make that happen. It just goes

to show - when great people make great products,

great success can be enjoyed by all involved!

Our 2016 Conference will mark the Silver Jubilee

anniversary of the release of 12d Model, and we're

very excited that we'll be sharing this momentous

occasion with many of our wonderful users. This

Conference will once again be held at the Brisbane

Convention Exhibition Centre on Sunday 24th,

Monday 25th and Tuesday 26th July, 2016.

Come along and celebrate with us! Register at:

www.12d.com/conference/.



ESQ enhances project delivery with specialised data management



Engineering
Solutions Qld

Civil engineering and project management consultancy, Engineering Solutions Queensland Pty Ltd (ESQ), has increased productivity by enabling team collaboration and providing a central data repository for project-related emails and design files using 12d Synergy.

Established in 2013, ESQ formerly relied on manual processes to manage road design, earth works, drainage and infrastructure modelling projects. As its business expanded, the firm recognised the need for sharing and managing project related tasks, documents, email and data to avoid project bottlenecks.

“The team used their local computer to schedule and record their daily tasks and this information was not shared,” said Mal Peaker, Design Office Manager, ESQ. “Because our Director manages most of the client liaison, a lot of important project data would sit in his inbox. That created an inefficient work system because no one would be notified of potential client project changes unless they were copied on emails.”

With each project comprising numerous design, correspondence and data files—anything from drawings to task notes and communications—tracking the progress of jobs could no longer be accurately managed without direct and timely access to up-to-date information.

“For example, when a client called chasing information on a project, we wouldn’t always know the details behind the request because we wouldn’t have the files needed to review or an effective way of retrieving the background information,” said Peaker. “Since we are such a young company, we were looking to get a data management system so we could keep up with new demands and peak workloads by collaborating throughout the lifecycle of every project.”

Since migrating its projects and data library into 12d Synergy, ESQ has enabled a collaborative and file-sharing environment to provide the firm’s team of seven with the most up-to-date information.



Using 12d Synergy’s Outlook plug-in, ESQ has automated the filing of emails; emails are now attached directly to a job folder which all staff can view and action. ESQ has also introduced a formal documentation process with templates for fee and project proposals, as well as project assessments. Document naming conventions are enforced by the system.

These capabilities are being supported by 12d Synergy’s over-arching revision and version control, which simplifies the process of backup and audits when changes need to be made to a job. This means ESQ can quickly roll back to previous versions of designs created with a geospatial package, such as 12d Model.

2016 12d Innovation Awards

Entries just closed (at the end of May) for our 12d International Innovation Awards 2016—the third such Awards we’ve held.

We had some great entries—prizes will be awarded at the Conference Dinner on 25th July; we can’t wait to show off what our innovative 12d users have been up to!

This time we added a category for 12d Synergy, so there were even more opportunities to win!

Sales & Support

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WA - Survey

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OTHER REGIONS

12d Solutions

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

- 3D World Group – NZ
43 Below – NZ
AAM Group – WA
Acciona Ferrovial JV – NSW
Acciona Infrastructure – Vic, NSW
Acor Consultants – NSW
Adamson Shaw – NZ
ADW Johnson – NSW
AECOM – NSW, Qld, WA; Hong Kong; NZ
Afflux Consulting – Vic
Airey Consultants Ltd – NZ
Airey Taylor Consulting – WA
Alliance Surveying – WA
Allroads – Qld
Alluvium Consulting – Qld, Vic
Aquatec Maxcon – Qld
Aquatech Consulting – NSW
ARC Surveys – Qld
Arup – NSW, Qld
asBUILT – NZ
AT & L – NSW
Aureon Group – SA; NZ
Ausenco – Qld
Auspat Australia – NSW
Axis Consultants – NZ
Ayson & Partners – NZ
Banana Shire Council – Qld
Barker Ryan Stewart – NSW
Barlow Shelley Consulting Engineers – Qld
Beca – NZ
Ben Zwart Land Surveyor – NZ
Bennett and Bennett – Qld
Beveridge Williams – Vic
BG & E Consulting Engineers – Qld, NSW, WA
BG Civil – Qld
BG Group NT – NT
BGC Contracting – WA
Birch Surveyors – NZ
Bitzios Consulting – Qld
BL Civil – Qld
Black EME – Qld
Blacktown City Council – NSW
Bligh Tanner – Qld
Bloxam Burnett and Olliver – NZ
BlueSphere Environmental – Vic
BMD Group – Brisbane
Bouygues Construction Australia – NSW
Breese Pitt Dixon – Vic
Brisbane City Council – Qld
Brookfield Rail – WA
Bundaberg Regional Council – Qld
Burchills Engineering Solutions – Qld
Cadence Consulting Surveyors – NSW
CADS Survey – WA
Cairns Regional Council – Qld
Calibre – ACT, NSW, Qld, Vic, WA; NZ
Candor3 – NZ
Cardno – NSW, Qld, Vic, WA; NZ
Catherine Santos – Vic
Cato Bolam Consultants – NZ
Charlton Degg – Vic
Cheal Consultants – NZ
Churchill Land Development Services – NZ
City of Swan – WA
City of Canning – WA
City of Greater Geraldton – WA
Civil Dimensions – Qld
Civil Geospatial Services – Qld
Civil Solutionz – NZ
CKL Surveys – NZ
Clark Fortune McDonald & Associates – NZ
Clark Land Surveyors – NZ
Coleman Engineering Services – ACT
Complete Urban – NSW
Contour Consulting Engineers – Qld
CPB Contractors – NSW, Qld, Vic; NZ
Craig and Rhodes – NSW
Craig Flowerday Design – NZ
Crushing Services International – WA
Cuttriss Consultants – NZ
D-CEM Co. – Thailand
- Dalton Consulting Engineers – Vic
Dass Australasia – Qld
Davie Lovell Smith – NZ
Dempsey Wood – NZ
Department of Finance and Services – NSW
Department of Primary Industries – Lands – NSW
Detail Survey – ACT
Development Nous – NZ
Douglas Partners – NSW, Qld
Downer EDi Works – NZ
DPTI – SA
Dreise Tucker – Qld
Dubbo City Council – NSW
EBBARC – Qld
Edge Consulting Engineers – WA
Eireng Consulting Engineers – UK
Eliot Sinclair & Partners – NZ
Elite Survey – NSW, Qld
Engeny – Qld, Vic
Engineering Solutions Qld – Qld
Engineering Studio – NSW
Engineering Surveys – SA
Ergon Energy – Qld
ERSCON – Qld
ESO Surveyors – NSW
Ferrovial York JV – NSW
Flat Out Surveying – Vic
Fletcher Construction Company – NZ
FMG Engineering – SA
Frear Surveyors – NZ
Fulton Hogan Group – NSW, SA
Fyfe Pty Ltd – NSW, Qld
Gassman Development Perspectives – Qld
GEO Image Services – NSW
Geo-Metric Surveying – NSW, Qld, Vic
Geocific West Engineering Surveys – Qld
GHD – Qld, Vic, WA
GM-CCS – Qld
Good Earth Matters Consulting – NZ
Graham Surveying – NZ
Grant and Cooke – NZ
Greater Shepparton City Council – Vic
Greenhaven Projects – Qld
Greenhill Engineers – SA
Griffith City Council – NSW
Haigh Consultants – NZ
Halls Fripp Surveying – Qld
Hardy Bros Mining and Construction – NSW
Harrison Grierson – NZ
Harrison Infrastructure Group – Qld
Hassan Mahmood – UAE
Heil Engineering Consultants – Vic
HSV Land Surveys – WA
Hutch Engineering Surveys – Qld
Hyder – NSW, Qld; Middle East; Philippines
i3 Consulting – Qld
Innovo Consulting – Serbia
Inovo Projects – NZ
Insite SJC – Qld
IS Joint Venture – NSW
J. Wyndham Prince – NSW
Jacobs Group – NSW, Qld, SA, Vic, WA; NZ
JCA Land Consultants – Vic
Jones Nicholson – NSW
KB Contracting and Quarries – NZ
Kellogg Brown and Root – Qld, WA
Kercheval Engineering Australia – WA
Kesar Samrai – Qld
Kimbriki Resource Recovery Centre – NSW
King and Campbell – NSW
KLM Spatial – Vic
Kramer Ausenco (Pacific) – Qld
Laing O'Rourke – Qld, NSW
Land Surveys No Problems Just Solutions – Qld, WA
Landmark Surveys – NSW
Lands and Survey – NZ
LD Eng – Vic
Leeton Shire Council – NSW
- Lend Lease Engineering – NSW, Qld, Vic
Lexen – Qld
Locate and Map – NSW
Logan City Council – Qld
Lynton Surveys – NSW
Lysaght Consultants – NZ
McConnell Dowell – Qld; NZ
Mackay Regional Council – Qld
Macmahon Contractors – WA
McMullen Nolan Group – WA
McMurtrie Consulting Engineers – Qld
MANAGE-DESIGN-ENGINEER – NSW
Map and Survey – NSW
Martoo Consulting – Qld
Meinhardt Australia – Vic
Michael Bale & Associates – Qld
Michel Group Services – Qld
Millar Merrigan – Vic
Milne Bay Provincial Government – PNG
Milton Services – SA
MinStaff Survey – Qld
Monteath and Powys – NSW
Morobe Mining – Qld
Morphum Environmental – NZ
Morrison Hershfield – Canada
Morton Bay Regional Council – Qld
Mortons Urban Solutions – Qld
Mouchel Australia – NSW
MPN Consulting – Qld
MWH New Zealand – NZ
Neil Construction – NZ
Nexen Energy ULC – Canada
Nicholson Surveying – NZ
Northrop Engineers – NSW
Onyx Projects – WA
Opus – Qld, NSW; NZ
Orange City Council – NSW
Orogen – NZ
Osborn Consulting Engineers – Qld
Ostwald Bros – Qld
Pacific Survey – NSW
Parioisien Grant & Associates – Vic
Parsons Brinckerhoff – NSW, Qld, Vic
Paterson Pitts Partners – NZ
Pirie Surveying – NZ
Pitt and Sherry – Qld, Tas
Platinum Surveys – WA
Pritchard Francis – WA
PT Eracipta Binakarya – Indonesia
PT Pama Persada Nusantara – Indonesia
PT Paser Tambang – Indonesia
PT Surveyor Indonesia – Indonesia
Pulver Cooper and Blackley – NSW
QH & M Birt – Qld
Quadrant – NZ
Queensland Department of Transport and Main Roads – Qld
Queensland Rail – Qld
Quintec Survey Solutions – NSW
Ralph Moir & Associates – NZ
Rangitikei District Council – NZ
Raster Co. – NZ
Redland City Council – Qld
Reyburn and Bryant – NZ
Rio Tinto – WA
RMA Consulting Engineers – Qld
Road Construction Surveys – Vic
Roads and Maritime Services – NSW
Robert Bird Group – NSW, Qld
ROHI Engineering – Canada
RPC – NZ
RPS – NSW, Qld
SCIRT – NZ
Sedgman – Qld
SEE Civil – NSW
Seymour Whyte – NSW, Qld
Shadforth's Civil Contractors – Qld
SJE Consulting – NSW, Vic
SKS Surveys – SA
SMC – NSW, Qld, SA, Vic
Solo – NSW
South32 Worsley Alumina – WA
Spiire – Vic
- Sunshine Coast Regional Council – Qld
Survey Dynamics – WA
Survey Group – WA
Survey Insight – NZ
Survey Marks – Qld
Surveying The Bay – NZ
Sustainability Workshop – NSW
Swinburne University of Technology – Vic
Synergine Group – NZ
Taylor Miller Consulting – Vic
Taylors DS – Vic
Terrain Surveying – NZ
Tarramark – NZ
TGM Group – Vic
The Surveying Company – NZ
Thiess – NSW
Tomlinson and Carruthers Surveyors – NZ
Tonkin and Taylor Group – NZ
Tonkin Consulting – SA
Toowoomba Regional Council – Qld
Tracc Civil – WA
Traffic Design Group – NZ
TRN Group – NSW
Trojan General Contracting – UAE
TSS Total Surveying Solutions – NSW
UAV Surveys – NSW
UDP Group Services – Qld
Urbanized Civil Design – Qld
Valley Survey Company – NZ
Verve – Vic
VFT Engineering Surveyors – NSW
Water Technology – Vic
Waterman Infrastructure and Environment – UK
Watsons – Vic
Whelans Survey and Mapping Group – WA
Whitsunday Regional Council – Qld
Wigley and Roberts – NZ
Wolter Consulting – Qld
Wood and Grieve – Qld, WA
Wood & Partners – NZ
WorleyParsons – Qld, WA
Wyong Shire Council – NSW
Xenith Consulting – Qld
XRoads – Qld
Yass Valley Council – NSW

And from little acorns,
great trees grow -
Welcome aboard to our
new 12d Synergy
licences and upgrades
from...

Access Land Surveyors—NZ
Aurecon—NSW
Bouygues Construction Australia—NSW
Cato Bolam Consultants—NZ
Cheal—NZ
Cogswell Surveys—NZ
Department of Transport and Main Roads—Qld
Engineering Solutions Qld—Qld
Good Earth Matters—NZ
Graham Surveying—NZ
J. Wyndham Prince—NSW
Landlink—NZ
LD Eng (Land Development Engineering)—Vic
McKenzie & Co. Consultants—NZ
Orogen—NZ
Pitt and Sherry—Qld
RCS Group—NSW
SMC Australia—Vic
Watsons—Vic
WSP Parsons Brinckerhoff—Qld

