



News from
12d Solutions



Welcome

...to the 'Meaning of Life' edition (if you don't understand that reference, please brush up on your Hitchhiker's Guide immediately!) of the **Dirt Digger**—featuring:

- **Holiday Season office closures**
- **12d Model Training for 2020**
- **FME supports 12dxml**
- **12d International Innovation Awards 2020**
- **12d & ESO on Northern Beaches Hospital Infrastructure**
- **12d International Technical Forum 2020**
- **12d Synergy Roadshow and beyond**

We look forward to hearing any [feedback](#) or news from you!

Regards,

Dr Lee Gregory

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Mr Alan Gray

Technical Director

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Holiday Season office closures



The Sydney Head Office of 12d Solutions will be closed for the holidays from lunch time on Friday 20th December 2019, re-opening the morning of Monday 6th January 2020.

We'd like to wish all those in our extended 12d Family a very happy and safe holiday season!

12d Model training for 2020

You may have noticed that we've added a [2020 Training Schedule](#) to our website for some regions (click on each region for information)—if you'd like to see a course in your region that's not listed, please get in touch!

We're pleased to announce that we've kept our 2020 pricing for training at the 2019 rates; we know it can be hard to keep everyone up to speed, so hopefully that will ease the pressure a little for some of our customers!

FME now supports 12dxml

We have been working with [Safe Software](#) to integrate the reading and writing of our 12dxml format into their FME (Feature Manipulation Engine) product to streamline the conversion and transfer of metadata enabled models between 12d Model and GIS systems.

Following testing by 12d NZ, Locus and Safe with Wellington Water Ltd in their Digital Asset Metadata Management program, Safe announced that FME 2019.2 can read the civil industry standard 12dXML format, and in early 2020 will be able to write 12dXML.

This means 12d Model users can easily export their 3D model and BIM information as 12dXML and FME users can then convert, validate and consume 12d Model data without the risk of losing metadata information between the two entities...so 12d Model users and GIS professionals can seamlessly share any data together!

12d Innovation Awards 2020

The 12d International Innovation Awards 2020 recognises inspired thinking and innovative solutions in civil engineering, surveying and data management. Around the world, our industry faces challenging problems and finds inventive answers. The 12d International Innovation Awards highlights some of the best of those solutions.

Entries close 30th April 2020. The prize pool has actually blown out to well beyond the \$17,000 we originally promised, as Lee has thrown in a Full Technical Forum Package for the 12d International Technical Forum 2022 for each category winner as well as for the Overall Winner!

There'll again be categories, with a new twist: **BIM & Visualisation, Design, Water,**



Surveying & Construction, Customisation, 'Banishing the Drafting Demon', and 12d Synergy.

And of course a giant prize pool worth nearly \$20K!

We'll also award certificates for the best of: **Small Company, Medium Company, Large Company,** and **Government.**

Full details, and Entry Form, [here!](#)

12d, ESO, and the Northern Beaches Hospital

Earlier this year, we caught up with Greg Cech from ESO Surveyors, the Survey Manager on the Northern Beaches Hospital road infrastructure job. Greg has been on that project for over three years, and it was going for approximately a year before he started. All of ESO's work on this project is being done in 12d Model with 12d Field.



As we drove through the project zone, which is just minutes from ESO's lovely Frenchs Forest office space, we could see their great work in action, and just how much things were already taking shape (there's been even more progress since that day!).

Greg confirmed what an exciting project this is to work on, and told us a little about the masses of infrastructure underground – services and such – which of course slowed down the apparent construction for a few months, even though the actual construction was still going on underneath. He said it's getting to a particularly interesting point from a public perspective as bridges are now being constructed, so people coming past will be able to see the bridges, as well as the slot, which is also starting to be constructed and will be a big visual enhancement in the space. The 'slot' is what will come out from Wakehurst Parkway; colloquially it may be known as a 'tunnel', but that's not the technically correct term. Greg told us that it's actually literally a slot that goes up to about eight metres deep, and the east-west through traffic will run in the slot. Local traffic will run up above it.

During the earlier phases of this project, there were massive disruptions to traffic through the area, but it's now flowing much better than before. Greg said he hopes it will only get better as more and more lanes open up to through traffic.

12d Technical Forum 2020

As previously announced, because our 2018 event sold out, we've moved 2020 to a substantially larger space within the Brisbane Convention and Exhibition Centre—we'll be upstairs on the Plaza Level!

At this 3-day event, 12d Solutions will be highlighting new features in 12d Model 15 and 12d Synergy 5, as well as many tips for working with the current versions! We will, of course, continue the ever-popular 'Birds of a Feather' breakout sessions on Design, Surveying, Three Waters, & 12d Synergy.

This event will be an invaluable learning and networking experience for users of 12d products and other industry professionals, in all areas of civil design, surveying and construction, and data management and project collaboration.

The 12d International Technical Forum offers:

- A great opportunity to increase your 12d Model/12d Synergy skills
- The ability to interact with the developers of 12d products
- The chance to network with, and learn from, other 12d users

Pricing

The Full Conference Package for \$850 +GST (Early Bird pricing—get in quickly because the price goes up to \$950 + GST from 15th May 2020!) includes:

- Welcome Event (Add Guest for \$100 + GST during Early Bird)
- Conference Dinner* (Add Guest for \$215 + GST during Early Bird)
- 3 Full Days of Conference Main Sessions
- Conference 'Birds of a Feather' Sessions
- Morning/Afternoon Tea Breaks and Lunches
- 12d Polo Shirt and Other Goodies!

*Includes 12d International Innovation Awards 2020 Ceremony

Registrations are already rolling in—book your place [here!](#)

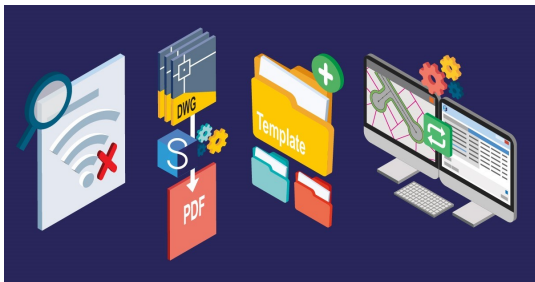
Day passes also available—[contact](#) us for details. Please note we accept credit card payments online for this event.

Dates Sunday 2nd, Monday 3rd and Tuesday 4th August 2020.

Venue Brisbane Convention and Exhibition Centre (BCEC) – Plaza Level (please note new location—upstairs from Boulevard).

More information, including Early Bird pricing breakdown, [here!](#)

12d Synergy news—Roadshows and Releases!



12d Synergy is excited to be launching 12d Synergy 4.3, the final Patch Release for Version 4, in January 2020.

12d Model Features – Enhancing Your Mobility

Offline Data Mode

Offline Data Mode allows all your offlined data to be instantly identified and browsed, both in 12d Synergy and File Explorer. Neat!

Pending Files

Ever forgotten to upload your 12d Model outputs and then lost them? Pending Files intuitively tracks 12d Model output files and automates their upload into 12d synergy...ensuring data isn't forgotten or lost across users' devices.

CAD Automation

CAD to PDF Publisher

CAD Publisher automatically publishes drawings to PDF without opening any DWGs. It's faster, automated, easier and can be performed within 12d Synergy without needing any CAD software. Allowing publishing to be delegated to other departments, freeing your drafters to focus on their core business.

To watch a demo video of our new CAD Publisher tool, [click here](#).

12d Synergy 4.3 has completed the CAD feature set, with the full CAD workflow now managed by 12d Synergy – from document creation to issuing.

Taking Your Business Mobile: 12d Synergy Roadshow

This November, the 12d Synergy team packed their bags and hit the road to present our Australian [Taking Your Business Mobile](#) roadshow. The roadshow was all about helping you to drive your own success through mobility. Whether it's streamlining multi-office collaboration, accessing your data offline, or working flexibly from home.

We had an absolute blast engaging with both current and future 12d Synergy users across Australia. [Watch the highlights here](#).

The Official Roadshow Event Magazine

Dive into 20-pages of in-depth articles and user stories. The magazine summarises all the event presentations, so it's the perfect resource for those who couldn't attend. Request your free digital PDF today: [click here](#).



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OTHER REGIONS

12d Solutions

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

12d Model

2 Develop Urban – Qld
 3D Data Guidance – Qld
 3D World Group – NZ
 Ace Contractors Group – Vic
 Acor – NSW
 Active Survey – NZ
 Adams Consulting Engineers – Vic
 Adamson Shaw – NZ
 ADW Johnson – NSW
 AECOM – NSW, Qld, WA
 Affinity Surveys – NSW
 Afflux Consulting – Vic
 AgDesign – NZ
 Agustin Consulting – Vic
 AJ Lerch Surveys – Qld
 Alexander and Symonds – SA
 Algorry Zappia & Associates – NSW
 Alliance Surveying – WA
 Andrew Ackerman – WA
 Arcadis – NSW, Qld
 Arup – NSW, Qld
 ATC Williams – Qld
 Aurecon Australasia – NSW, NZ
 Auspat Land Survey Australia – NSW
 Australasian Construction and Engineering Surveys – Qld
 Australian Consulting Engineers – NSW
 Axiom Spatial – NSW
 Barr and Harris – NZ
 Barry Gale Engineers – Vic
 BCE Surveying – NSW
 BCS Consulting Engineers – Vic
 BD Survey – NSW
 Beca – NZ
 Bechtel – WA
 Bellwether – Qld
 Benchmark Surveys – WA
 Bennett + Bennett – Qld
 Bereza Civil Surveys – ACT
 BG & E – Qld, WA
 BG Contracting – WA
 BHP Iron Ore – WA
 BIM ONE – Qld
 Birzulis Associates – NSW
 BM Engineering Surveys – WA
 Bonisch Surveys – NZ
 Brazier Motti – Qld
 Brisbane City Council – Qld
 Brown Design and Engineering – Vic
 Bundaberg Regional Council – Qld
 Byrne Consultants – Qld
 CADS Survey – WA
 Calibre Group – NSW, WA, NZ
 Candor3 – NZ
 Cardno – NSW, Qld
 Cardno TGM – Vic
 Centurion Survey – NSW
 CGC Dredging – WA
 Charter Keck Cramer – Vic
 Chester – NZ
 Christchurch City Council – NZ
 City of Charles Sturt – SA
 City of Gold Coast – Qld
 Civil Alliance – Qld
 Civil Engineering and Construction Surveys – Qld
 Civil Engineering Assignments – UK
 Civil Works Solutions – NZ
 CivilScope Engineering – NSW
 CivitEC – NZ
 Civix – NZ
 Coffey Services – NZ
 Cogswell Surveys – NZ
 Consone Consulting – NT
 Construction Survey – NZ
 Cossill and Webley – WA
 Covey Associates – Qld
 CPB Contractors – NSW, Qld, Vic, WA, NZ
 Craig McAllister – Qld
 Creo Consultants – Vic
 Cross River Rail Delivery Authority – Qld
 Cruickshank Surveys – Qld
 D & C Civil – Qld
 D & M Consulting – NSW
 DA Surveying – NSW
 Dalton Consulting Engineers – Vic
 Daracon Group – NSW
 Datacom – NZ
 David Searle Engineering Surveys – WA
 DC Survey and Spatial – Qld
 De Nada Engineering Surveys – WA
 Define Group – Qld
 Degotardi Smith & Partners – NSW
 Dempsey Wood – NZ
 Dennis Price & Miller – Vic
 Department of Infrastructure, Planning, and Logistics – Qld
 Dept of Primary Industries (Lands) – NSW
 Dept of Transport & Main Roads – Qld
 Department of Works – Papua New Guinea
 Digital Surveying Solutions – WA
 Ditchfield – NSW
 Downer Group – NSW, Qld, NZ
 Downer Seymour Whyte JV – NSW
 Drafting Solutions Australia – WA
 Drive Consulting – Qld
 DSQ – Qld
 E2Designlab – Qld
 East Bay Surveyors (2014) – NZ

EDGE (Civil) – Qld
 EDMP – WA
 Element IMF – NZ
 Emerald Hills – NSW
 Engage Consulting Engineers – Qld
 Engineering Geology – NZ
 Engineering Surveying Solutions – NSW
 Engineering Surveys – SA
 Engineers Plus – Qld
 Enspire Solutions – NSW
 Environment Location Systems – Vic
 EPS Consulting Group – NZ
 Equity B B – Qld
 ESO Surveyors – NSW
 Essential Survey Services – Qld
 Everitt and Everitt – NSW
 Exegen – Qld
 F & Z Engineering Surveyors – NSW
 Ferroval York JV – NSW
 Ferrycarrig Civil Contracting – NSW
 FHECOR Ingenieros Consultores – Spain
 Flat Out Surveying – Vic
 Fluor Australia – WA
 FORM Engineers – Vic
 Formation Civil – Qld
 Fortescue Metals Group – WA
 Fraser Thomas – NZ
 Friedman Wilson Surveying – Qld
 Fulton Hogan Group – NSW, Qld, SA, Vic
 Fyfe – Qld
 Gandy and Roberts – Tas
 Ganza Consulting Services – Qld
 Gassman Development Perspectives – Qld
 GD Survey – NSW
 Geleon – Qld
 Geochelle – WA
 Geomatika Politeknik Batam – Indonesia
 Geosurv – NSW
 GHD – Qld
 Gilbert Haymes & Associates – NZ
 GM-CCS – Qld
 Graham Surveying – NZ
 Greenhill Engineers – SA
 H and T (2019) – NZ
 Hail Creek Coal – Qld
 Halls Fripp Surveying – Qld
 Haro Designs – Qld
 Hatch – Qld
 Hawkesbury City Council – NSW
 HCMC University of Technology – Vietnam
 Holden Surveying – Qld
 Hughes & Associates – NZ
 Hume City Council – Vic
 Hydro Electric Corporation – Tas
 i Consulting – Qld
 Infinity Surveys – NSW
 Inovo Projects – NZ
 Insight Survey – Qld
 Integral Surveys – NSW
 Ipswich City Council – Qld
 JAC Surveyors – Vic
 Jacobs Group – NSW, Qld, WA
 JHA Consulting Engineers – NSW
 JJ Barber Holdings – NZ
 JJ Civil – Qld
 John Holland – Qld, Vic
 Jones Nicholson – NSW, Qld
 Jurovich Surveying – WA
 Kaku Surveying – NSW
 Kaymak Survey – Qld
 KCB Australia – Qld
 Kellogg Brown and Root – Qld
 Kevin Hall Civil Engineering Designs – NSW
 Keystone Survey – NSW
 Klopfer Dobos – Vic
 Knobel Engineers – Qld
 KR Surveys – WA
 Kye Surveyor – NSW
 Land Dynamics Australia – NSW
 Land Map – NSW
 Land Surveys No Problems Just Solutions – NSW, Vic, WA
 Land Team Australia – NSW
 Landmark Surveys – ACT, NSW
 LandPro – NZ
 Larsen and Toubro – India
 Latchford Surveying – NZ
 LBS Engineers – Qld
 LCG – NSW
 LD Eng – Vic
 Lee Civil – Qld
 Leigh Surveyors – Qld
 Lend Lease – NSW, Qld, Vic
 Lend Lease Engineering Acciona Coleman Rail JV – Vic
 Lewis Glassick – Qld
 Lindsay Dynan – NSW
 Linke and Linke – NSW
 Livingstone Shire Council – Qld
 Locaters – NSW
 LOM Engineering – WA
 Lonergan Surveying – ACT
 LPD Surveys – WA
 Lycodium Minerals – WA
 Lynton Surveys – NSW
 McConnell Dowell – SA
 McKenzie & Co. Consultants – NZ
 McMahon – SA
 McVeigh Consulting Engineers – Qld
 Mareeba Shire Council – Qld

Mario Ehlich – NSW
 Marshall Scott Surveyors – NSW
 Matt Monk – NSW
 Maven – NZ
 MCG Drafting – NSW
 Measured Land Surveys – NZ
 Meinhardt – Qld; Qatar
 Menal Civil – NSW
 MEngineers – NSW
 MinStaff Survey – Qld
 Misura – NZ
 MKS Civil Engineers – NSW
 MLEI Consulting Engineers – SA
 Moreton Bay Regional Council – Qld
 Mott MacDonald – NSW, Vic
 MPF Surveying – NSW
 Multi Surveying – Qld
 Murrindindi Shire Council – Vic
 MVR Surveys – SA
 Nacap – Vic
 Narrandera Shire Council – NSW
 NCTIR Alliance – NZ
 Neilly Group – Qld
 Newcastle City Council – NSW
 Nexus Surveys – WA
 Nicholas Surveys – Qld
 Northern Hills Drafting – Qld
 Northrop Engineers – NSW
 OM Civil – Qld
 Online Pipe and Cable Locating – NSW
 Onyx Projects – WA
 Orion Consulting Engineers – NSW
 Orogen – NZ
 Owen Consulting – Qld
 Pacific Survey – NSW
 PanAust – Qld
 Parkinson and Parkinson – Qld
 Paterson Pitts Partners – NZ
 Paul Jacuba – Qld
 Paveset Australia – Qld
 PEAKURBAN – Qld
 Penrith City Council – NSW
 Peritas Civil – WA
 Phronis Consulting – Qld
 Pilbara Surveys – WA
 Pinnacle Engineering Group – Qld
 Pirie Consultants – NZ
 PLANIT Engineering – NSW
 Premise Group Services – Qld
 Project Deliver Partners – SA
 PROTERRA – Qld
 PT Inti Kamparindo Sejahtera – Indonesia
 PT Kalimantan Citra Bara – Indonesia
 PT Pama Persada Nusantara – Indonesia
 Public Transport Authority – WA
 Quattro Engineering – NZ
 Quintec – NSW
 R D Gossip – ACT
 Ralph Moir & Associates – NZ
 Raster Co. – NZ
 Red Earth Engineering – Qld
 Red Wing Survey – NSW
 Redland City Council – Qld
 Reeds Consulting – Vic
 Regional Management Group – Vic
 Reid Surveys – Qld
 Results Based Surveying – NSW
 RGH Consulting Group – NSW
 Rhelm – NSW
 Rio Tinto – WA
 Road and Civil Surveys – NSW
 Road Construction Surveys – Vic
 Roads and Maritime Services – NSW
 Rose Atkins Rimmer – NSW
 RPC – NZ
 RPS – Qld
 Salini Impregilo (NRW JV) – WA
 Sasan Safari – Vic
 SCP Consulting – NSW
 Seqwater – Qld
 Seymour Whyte – Qld
 Shadforth's Civil – Qld
 Shawmac – WA
 Shire of Murray – WA
 Singleton Shire Council – NSW
 Singleton Survey Services – NSW
 Sirius Consolidated – NSW
 SLR Consulting – Qld
 Smart Structures Australia – NSW
 SMEC – NSW, Qld, Vic
 Snowden Surveys – NSW
 Southern Land – NZ
 Spiire – Vic
 Spyve Surveying Solutions – NSW
 Stakeout – NZ
 Riley – NZ
 RKF Engineering Services – NSW
 Rose Atkins Rimmer – NSW
 SMEC – Australia
 Southern Land – NZ
 Surveying Services – NZ
 Terra Group – NZ
 Terramark – NZ
 Tomkinson Group – Vic
 Tonkin and Taylor – NZ
 Turnbull Engineering – NSW
 Veris Australia – Australia
 Verve Projects – Vic
 Wood & Partners – NZ
 WSP – Australia

Surveyplanz – NZ
 Swanson Surveying – Vic
 Sydney Airport Corporation – NSW
 Taylors DS – Qld
 Terra Consultants – NZ
 Terra Group – NZ
 Terrasurv – NZ
 Tetra Tech Proteus – WA
 The 4th Little Pig – Vic
 The Hills Shire Council – NSW
 The Surveying Company – NZ
 Titus Consulting Engineers – NZ
 Tomkinson Group – Vic
 Tonkin and Taylor Group – NZ
 Tripp Andrews Surveyors – NZ
 TSS Total Surveying Solutions – NSW
 Tuff Turf – Vic
 Turnbull Engineering – NSW
 UAV Surveys – NSW
 United Civil Construction – NZ
 Upper Lachlan Shire Council – NSW
 Urban Circus – Qld
 Urbanized Civil Design – Qld
 Usher & Company – Qld
 Utec Solutions – NSW
 Utility Mapping (Aust) – Vic
 Veris Australia – NSW, Qld, Vic, WA
 Verve Projects – Vic
 VFT Engineering Surveyors – NSW
 Virtue Construction Surveying – Vic
 Vision Surveys – Qld
 Vitruvius – NZ
 Wallbridge Gilbert Aztec – SA
 Watson Civil Surveys – Qld
 Western Downs Regional Council – Qld
 Western Earthmoving – NSW
 WMG Engineering Surveyors – NSW
 Wolter Consulting – Qld
 Wood Australia – Vic
 Wood & Partners – NZ
 WorleyParsons – Qld, WA
 WSP – NSW, Qld
 WW Surveys – Qld
 Xavier Knight – NSW
 Yeats Consulting – Qld
 Yeoman Associates – NZ
 Zorn Surveying – NZ

12d Synergy

Active Survey – NZ
 AECOM – Australia
 Affinity Surveys – NSW
 Arcadis – Australia
 Bereza Civil Surveys – ACT
 BG&E Cardno JV – Qld
 Blue Barn Consulting Engineers – NZ
 BMD Group – Qld
 BMT Company – NZ
 Buckton Consultants – NZ
 Cardno – Australia
 Cheal – NZ
 CKL – NZ
 Cogswell Surveys – NZ
 Covey Associates – Qld
 CPB Contractors – Australia
 Dalton Consulting Engineers – Vic
 Dempsey Wood Civil – NZ
 Fraser Thomas – NZ
 Fulton Hogan – Australia
 Future Generation Joint Venture – NSW
 GM Civil + Construction Surveying – Qld
 Graham Surveying – NZ
 Greenfield Technical Services – WA
 Harrison Grierson – NZ
 HDR – Qld
 Increva – WA
 Jacobs Group – Australia
 John Holland – NSW
 Land Matters Property Consultants – NZ
 Landlink – NZ
 Landmark Surveys – ACT
 Land Development Engineering – Vic
 Lend Lease Samsung Bouygues JV – NSW
 Logan Water Infrastructure Alliance – NSW
 McCaffrey Engineering Consultants – NZ
 McKenzie & Co. – NZ
 MinStaff Survey – Qld
 Ngai Tuwharetoa Geothermal Assets – NZ
 Orion Consulting – NSW
 Orogen – NZ
 Paterson Pitts Group – NZ
 Pirritahi Project – NZ
 Premise – Qld
 Riley – NZ
 RKF Engineering Services – NSW
 Rose Atkins Rimmer – NSW
 SMEC – Australia
 Southern Land – NZ
 Surveying Services – NZ
 Terra Group – NZ
 Terramark – NZ
 Tomkinson Group – Vic
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 Verve Projects – Vic
 Wood & Partners – NZ
 WSP – Australia

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