

News from  
12d Solutions



# The Dirt Digger



## Welcome

...to another action-packed issue of the **Dirt Digger**. This edition will feature:

- **Holiday Season Office Closure**
- **Resellers of the Year**
- **12d Blog**
- **Civil BIM updates**
- **12d International Innovation Awards 2018**
- **Engineering Surveying Steering Group**
- **12d International Technical Forum 2018**
- **12d International Technical Forum 2020**

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

Regards,

**Dr Lee Gregory**

Managing Director

[lee.gregory@12d.com](mailto:lee.gregory@12d.com)

**Mr Alan Gray**

Technical Director

[alan.gray@12d.com](mailto:alan.gray@12d.com)

## 12d Sydney Holiday Season Office Closure

We'll close at lunch time on Friday 21st December 2018 and re-open the morning of Wednesday 2nd January 2019...just a short break so we can get back to regular programming (literally for some)!

## Resellers of the Year

Congratulations to our Resellers of the Year for the Financial Year 2018:

The team from ExDS - NSW/ACT/SA (12d Model)

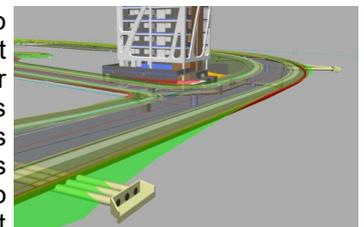
The 12d Queensland team (12d Synergy)

## 12d Blog

In case you've missed it, we've started a [blog](#) on the 12d website, under 'Community'. 12d Synergy has been running [blog posts](#) for some time, and the 12d Model team decided to get in on the action! We'll keep updating the blogs area with interesting tidbits (customer projects, webinars, job offers, etc.), and sharing our favourites on social-media (don't forget to subscribe to our channels to stay up-to-date).

## Civil BIM

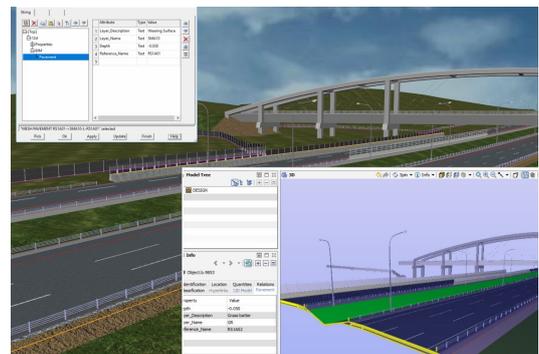
We've had so much great feedback on our Civil BIM features in recent times that we feel it's time for us to really talk about this functionality within our software products.



12d continues to be world leaders in Civil BIM, and our Managing Director, Dr Lee Gregory, attends the six-monthly buildingSMART International IFC Standards summits all over the world, in particular the Infrastructure Room, which is responsible for defining the Open BIM IFCs for alignments, tins, roads, railways, tunnels and bridges. 12d is also involved in Pilot Projects to read and write the proposed Civil IFCs to ensure that they are workable.

Many of our users are successfully using 12d Model and 12d Synergy as their Civil BIM solutions, as showcased in most of the client [talks](#) given at the 12d International Technical Forum 2018.

For all our users on Maintenance, the IFC reader and writer are included in all Bases for the 64-Bit version.



## 12d International Innovation Awards 2018



The judges were very impressed with the amazing entries for this year's Innovation Awards - 100 entries in the end, and judging was a near impossible task!

Thanks again to Calibre for coming on board as our official Innovation Awards 2018 Sponsor. We were so pleased to welcome you as an integral part of our event.

Congratulations to the team at Arup for their **Overall Winning entry** - amazing work! The Arup project used 12d Model for the design of road, rail and drainage, but the innovation entry was for also modelling in 3D all the areas that are traditionally only done in 2D CAD. That is, utilities, signs, kerbs, barriers, road side furniture, line and pavement marking etc. So a complete 3D federated model was produced, and many of the 2D drawings were then generated from the 3D model thus eliminating a lot of 2D drafting.

Niall Brady, Jarred Dickson, Jeremy Harrington, Darren Stewart, and Danny Wilcox have all received their certificates and other prizes, and will be part of our great campaign showcasing the winners over the coming months.

Congratulations to all our other winners, too:

**12d Water** - Duncan Whiteley of WSP

**Customisation** - David Healy & Phillip Stoddart of J. Wyndham Prince

**Surveying & Construction** - Sam Cech of Tattras Consulting

**Design & Visualisation** - Ed Wilson and Philip Campbell of Aurecon

**'Banishing the Drafting Demon'** - Megan Dillon of Mackay Regional Council

**12d Synergy** - Stuart Cook of BG&E

The Business Category prizes went to:

**Small Company** - Mal Peaker of Tipec

**Medium Company** - Bryce Hoffman of Land Surveys

**Large Company** - Aaron Krenkel of Calibre

**Government** - Peter Murray of Brisbane City Council



**Representatives from the winning Arup team!**

Those who weren't at the 2018 Technical Forum may not have heard about Lee's special announcement...a winner from each category of the Awards, and one from each of the business category prizes, will receive one complimentary Full Technical Forum 2020 Package, instead of this prize just going to the Overall Winning Team!

See our [website](#) for more details, including a list of the Highly Commended entries for each category (and a special [blog](#) which includes comments on the Awards from Technical Forum delegates).

The standard of entries was especially high this time around, so all who entered should be very proud!

### Engineering Surveying Steering Group



12d Model and 12d Synergy user Michael (Mick) Connor of Fulton Hogan has been very busy in recent months! Not only is he an integral part of the team that's made the Sydney B-Line Bus Project a reality, he's managed to fit in a great webinar - *12d Synergy and 12d View for Surveyors* - as part of our popular Industry Solutions series. This presentation was based on a talk he gave at our Technical Forum in July. A recording and blog of the webinar can be viewed [here](#).

And now he's found yet another exciting new project...this time it's the formation of an **Engineering Surveying Steering Group** - a panel, including client representatives, of surveyors from across the industry (NSW) - inspired by their drive over the past three years to work towards a more robust framework for survey delivery.

They are currently running quarterly sessions, and would like to extend to interested parties an invitation for **Friday 14th December**. The theme for this session will be around utility management.

To Mick, this is all about 'starting the conversation' - getting the industry talking. He says their clients have always been open to solutions and ideas. Creating a collaborative working group will enable this framework to be realised.

They have representatives from RMS, TfNSW, and 12d Solutions coming along to this session, as well as Gaby Van Wyk (SSSI) who can talk through the revised AS5488 (SUI Guidelines).

12d will showcase some mapping and attributing smarts which can be aligned with SUI 5488 and G71 requirements.

Due to an overwhelming response to this concept, the Survey & Spatial Sciences Institute (SSSI) has expressed interest in sponsorship/endorsement. The team is currently awaiting venue availability, so [contact](#) Mick today to book in and you'll receive all details as they become available!

## 12d Technical Forum 2018 Smashes Previous Records!



Our recent 12d Technical Forum experienced unprecedented registration numbers. We'd previously held six such events since 2005, all at the Brisbane Convention and Exhibition Centre (BCEC). But this time it was different. The previous record for final number of delegates was 448...but this time we ended up with...538!

At this 3-day event (held from 29th-31st July 2018), 12d Solutions highlighted the new features in 12d Model 14 and 12d Synergy 4, and more. We also continued the ever-popular 'Birds of a Feather' breakout sessions on Design, Surveying, Three Waters, and 12d Synergy.

This event was 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. To hear more about what delegates thought of the event, check out our [blog post](#).



The 12d International Technical Forum offered:

- A great opportunity to develop 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

And don't forget...all delegates of the 2018 Technical Forum with licences on Maintenance are eligible to receive a Technical Preview Version of 12d Model 14...contact us if you were there and haven't received yours.

To see some of the footage from this amazing event, as well as write-ups on the talks and on some of the Innovation Awards entries, check out our [Innovation Showcase!](#) We'll also be sharing footage of interviews with some amazing 12d innovators, so stay tuned in coming months.



2018 Innovation  
Awards Sponsor



## 12d Technical Forum 2020

We'd like to take this opportunity to announce our 2020 event - 2nd-4th August...back at BCEC, but this time on the Plaza Level...we've officially outgrown the Boulevard Level! We look forward to seeing you all there.

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0411 601 066 (Design Sales)

[wa.support@12d.com](mailto:wa.support@12d.com)

(08) 9467 2672 (Design Support)

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[vic.support@12d.com](mailto:vic.support@12d.com)

[vic.training@iscdt.com.au](mailto:vic.training@iscdt.com.au)

(03) 9005 7626 (Sales & Support)

##### **QLD & NT**

12d Queensland

[qld.sales@12d.com](mailto:qld.sales@12d.com)

[qld.support@12d.com](mailto:qld.support@12d.com)

[qld.training@iscdt.com.au](mailto:qld.training@iscdt.com.au)

(02) 9970 7117 (Sales)

(07) 3040 7880 (Support)

#### UK, EUROPE, MIDDLE EAST & AFRICA

12d UK

[sales@12d.co.uk](mailto:sales@12d.co.uk)

[support@12d.co.uk](mailto:support@12d.co.uk)

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

#### NEW ZEALAND

12d NZ

[lane@12d.co.nz](mailto:lane@12d.co.nz)

+64 27 477 7787

#### ASIA

12d

[soon.teh@12d.com](mailto:soon.teh@12d.com)

#### AMERICAS

12d Canada

[ben.crawford@12d.com](mailto:ben.crawford@12d.com)

+1 206 905 1464

#### FIJI & PACIFIC ISLANDS

12d NZ

[lane@12d.co.nz](mailto:lane@12d.co.nz)

+64 27 477 7787

#### OTHER REGIONS

12d Solutions

[info@12d.com](mailto:info@12d.com)



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

### 12d Model

360 Civil Consulting – Qld  
 3D Surveys – SA  
 A. Davis Design and Management – Qld  
 Aaron Hick – Qld  
 Aarvee Associates – Qld  
 Acciona Infrastructure – NSW  
 Ace Contractors Group – Vic  
 Acor – NSW, Qld, WA  
 AD Design and Consulting – Tas  
 Adams Consulting Engineers – Vic  
 Adamson Shaw – NZ  
 ADG Engineers (Aust) – Qld  
 Advantage Civil – WA  
 Advent Consulting – NSW  
 ADW Johnson – NSW  
 AECOM – NSW, Qld, WA  
 Affinity Surveys – NSW  
 Agustin Consulting – Vic  
 Alexander and Symonds – SA  
 Align Surveys – NZ  
 Alliance Surveying – WA  
 Alluvium Consulting – NSW, Qld  
 Amey – Vic  
 Andrew Ackerman – WA  
 AR & Associates – NZ  
 Arcadis – NSW, Qld, WA; Middle East  
 Arup – NSW, Qld  
 asBUILT – NZ  
 Ashburton Contracting – NZ  
 ATC Williams – Qld  
 Aurum Survey Consultants – NZ  
 Auspat Land Survey Australia – NSW, Vic  
 Australian Survey Hire – Qld  
 Australian Utility Solutions – NSW  
 BA Surveys – SA  
 Balfour Taylor & Associates – NZ  
 Ballina Shire Council – NSW  
 Barwon Water – Vic  
 Baseline Group – NZ  
 Baw Baw Shire Council – Vic  
 Beca – NZ  
 Benchmark Surveys – WA  
 Bennett + Bennett – Qld  
 Bereza Civil Surveys – ACT  
 Beveridge Williams – Vic  
 BG & E – Qld, Vic, WA  
 BG Contracting – NZ  
 BG Group NT – NT  
 Bloxam Burnett and Oliver – NZ  
 Blue Barn Consulting – NZ  
 Blue Wallace Surveys – NZ  
 BM Engineering Surveys – WA  
 BMD Group – Qld  
 Bonacci Group – NSW  
 Bonisch Surveys – NZ  
 Bouygues Construction – NSW  
 Breese Pitt Dixon – Vic  
 Brisbane City Council – Qld  
 Buckton Consulting Surveys – NZ  
 Bundaberg Regional Council – Qld  
 Buttrose Earth Movers – SA  
 Byrne Consultants – Qld  
 C&R Developments – NZ  
 Calibre – ACT, NSW, Qld, Vic, WA; NZ  
 Cameron Gibson Wells – NZ  
 Canterbury Bankstown Council – NSW  
 Capital Consulting Engineers – NSW  
 Carino – NSW, Qld; NZ  
 Cato Bolam Consultants – NZ  
 CCL 2015 – NZ  
 CDADS – WA  
 Central Coast Council – NSW  
 Central Systems – WA  
 Centreline Surveying – NSW  
 Chariton Degg – Vic  
 Cheal Consultants – NZ  
 Chester – NZ  
 Christchurch City Council – NZ  
 City of Canada Bay Council – NSW  
 City of Gold Coast – Qld  
 Civil Engineering Assignments – UK  
 Civil Project Partners – Qld  
 CivilICE – Qld  
 Civilex – Vic  
 CivilPlan Consultants – NZ  
 Cogswell Surveys – NZ  
 Compton Consulting Services – UK  
 Construction Survey – NZ  
 Consone Consulting – Qld, SA  
 Consurv – NZ  
 CPB Contractors – NSW, Qld, Vic, WA; NZ  
 Craig Pomplun – Qld  
 Creo Consultants – Vic  
 Cuttriss Consultants – NZ  
 D & C Civil – Qld  
 DA Surveying – NSW  
 Dalton Consulting Engineers – Vic  
 Dalton Design and Drafting – Qld  
 Dana ECPM – NSW  
 Davis Consulting and Design – Qld  
 Degotardi Smith & Partners – NSW  
 Dept of Primary Industries (Lands) – NSW  
 Department of Transport & Main Roads – Qld  
 Development Nows – NZ  
 Dixon Surveying – NSW  
 Dormway – Qld  
 Doval Construction – Qld  
 Downer Group – NSW, SA; NZ  
 Drafting Solutions Australia – WA  
 Durkin Construction – NSW  
 E2Designlab – Qld

Eddy Group – NSW  
 Elite Survey – NSW  
 Emgenity – WA  
 Engineering Surveys – SA  
 Empire Solutions – NSW  
 ESO Surveyors – NSW, Vic  
 Eurobodalla Shire Council – NSW  
 Fatuvalu Surveyor – Fiji  
 Flat Out Surveying – Vic  
 FMG Engineering – SA  
 FORM Engineers – Vic  
 Formation Civil – Qld  
 Fortescue Metals Group – WA  
 Fritchley Design and Drafting – WA  
 Fulton Hogan Group – NSW, Qld, SA, Vic  
 Fyfe – Qld  
 Gandy & Roberts Consulting Engineers – Tas  
 Gassman Development Perspectives – Qld  
 GC Surveys – Qld  
 GCA – NSW  
 GD Survey – NSW  
 GE Solutions Consulting – UK  
 GEO Image Services – NSW  
 Geodezja Survey and Spatial – NSW  
 Geosurv – NSW  
 GeoSync – NZ  
 Geoworks – NZ  
 Gilbert Haymes & Associates – NZ  
 GM-CCS – Qld  
 Goldco Civil – Qld  
 Good Earth Matters Consulting – NZ  
 GR Engineering Services – WA  
 Graham Surveying – NZ  
 Green Square Consulting – Qld  
 Greenhill Engineers – SA  
 Ground Developments – UK  
 Gruyere Management – WA  
 GT Survey – NZ  
 GTA Consultants – Vic  
 Hadley Consultants – NZ  
 Halls Frupp Surveying – Qld  
 Hamen Lodia Engineers – Fiji  
 Haro Designs – Qld  
 Harrison and O'Sullivan – NZ  
 Harrison Grierson – NZ  
 Harrison Infrastructure Group – Qld  
 Hatch – Qld  
 Hawkesbury City Council – NSW  
 Heading & Associates – NSW  
 Hilltops Council – NSW  
 Hobart City Council – Tas  
 Hughes & Associates – NZ  
 i Consulting – Qld  
 Infraology – WA  
 Infrastructure and Civil Surveys – NSW  
 Infrastructure Cook Islands – Cook Islands  
 Insight Survey – Qld  
 Integral Surveys – NSW  
 JAC Surveyors – Vic  
 Jacobs Group – NSW, Qld, Vic, WA  
 JCA Land Consultants – Vic  
 JHA Consulting Engineers – NSW  
 JJ Barber Holdings – NZ  
 JJ Ryan Consulting – Qld  
 JK Williams Contracting – NSW  
 Jones and Stanger – NZ  
 Joshua Lynch – Qld  
 Jurovich Surveying – WA  
 KA Civil Design – NZ  
 Kaymak Survey – Qld  
 Kellogg Brown and Root – Qld  
 Kercheval Engineering Australia – WA  
 Keystone Survey – NSW  
 Kier Australia – NSW  
 Kitbag Design – Qld  
 KK Surveying – Qld  
 Klohn Crippen Berger – Qld  
 Knobel Consulting – Qld  
 Kye Mackie – Qld  
 Land Partners NZ – NZ  
 Land Surveys No Problems Just Solutions – NSW, Vic, WA  
 Landmark Surveys – NSW  
 Lands and Survey – NZ  
 LandTeam Australia – NSW  
 Larsen and Toubro – India  
 LD Eng – Vic  
 Lee Civil – Qld  
 Leigh Surveyors – Qld  
 Lend Lease Bouygues JV NCX – NSW  
 Lendlease – NSW, Qld, Vic  
 Lendlease Engineering Acciona Coleman  
 Rail JV – Vic  
 Lim Surveyors – NZ  
 Lindsay Dynan – NSW  
 Linke and Linke – NSW  
 Local Govt Engineering Services – NSW  
 Locaters – NSW  
 Logan City Council – Qld  
 LOM Engineering – WA  
 London Underground – UK  
 Lonergan Surveying – ACT  
 Lysaght Consultants – NZ  
 McCaffrey Engineering Consultants – NZ  
 McFarlane Geomatics Australia – NSW  
 McGrath Civil Survey – NSW  
 McKenzie & Co. Consultants – NZ  
 McMullen Nolan Group – WA  
 Macro Consulting Surveyors – NSW  
 Magellan Space – Qld  
 Main Roads WA – WA  
 Mainland Surveying – NZ

Manage-Design-Engineer (MDE) – NSW  
 Mark Surveys – NSW  
 Martens & Associates – NSW  
 Matt Monk – NSW  
 Maven Associates – NZ  
 Maven Bay of Plenty – NZ  
 MCG Drafting – NSW  
 Measured Land Surveys – NZ  
 Megawide Construction DMCCD – Goa  
 Meinhardt Urban – Qld  
 MG Solutions – NZ  
 MHA Geotechnical – WA  
 Michael Bale & Associates – Qld  
 MEngineers – NSW  
 Millar Merrigan – Vic  
 Ministry of Lands Fiji – Fiji  
 Ministry of Waterways – Fiji  
 MinStaff Survey – Qld  
 MISB Surveyors – NSW  
 MJ Hannam – WA  
 Motion Civil – NSW  
 Mott MacDonald – NSW, Vic, NZ  
 MPF Surveying – NSW  
 MVR Surveys – SA  
 Myall and Thurlow Consultants – NZ  
 NCTIR Alliance – NZ  
 Neilly Group – Qld  
 Nelson Surveys – SA  
 Newcastle City Council – NSW  
 Nexus Surveys – WA  
 Nicholson Surveying – NZ  
 Northern Hills Drafting – Qld  
 NorthGroup Consulting – Qld  
 Northrop Engineers – NSW, Qld  
 NorthSurv – NZ  
 O.M.A.E. Surveyors – NSW  
 Onsite Surveying – NSW  
 Onyx Projects – WA  
 Orange City Council – NSW  
 Orion Consulting Engineers – NSW  
 Pacific Survey – NSW  
 PanAust – Qld  
 Paterson Pitts Partners – NZ  
 Patson & Associates – Fiji  
 Pattle Delamore Partners – NZ  
 Paul Jacuba – Qld  
 peakURBAN – Qld  
 Penrith City Council – NSW  
 Pilbrow Surveying – NZ  
 Pirie Consultants – NZ  
 PLANIT Engineering – NSW  
 Points North Surveyors – NSW  
 Port Macquarie-Hastings Council – NSW  
 Position Partners – Qld  
 Positive Survey Solutions – NSW  
 Premise Group Services – Qld  
 Procivil Consulting – Vic  
 PT Global Makarateknik – Indonesia  
 PT Pama Persada Nusantara – Indonesia  
 PT Pertamina (Persero) DOII-JBB Cirebon – Indonesia  
 Public Transport Authority – WA  
 Quadrant – NZ  
 Quest Surveys – Qld  
 R2 Consulting – NZ  
 Raffki Surveys – NSW  
 Raster Co. – NZ  
 Ray Surveys – NSW  
 Reeds Consulting – Vic  
 Regional Management Group – Vic  
 Resonant Consulting – NZ  
 Results Based Surveying – NZ  
 Reyburn and Bryant – NZ  
 Rhelm – NSW  
 Riley Consultants – NZ  
 Rio Tinto – WA  
 RMA Consulting Engineers – Qld  
 Road and Civil Surveys – NSW  
 Road Construction Surveys – Vic  
 Roads and Maritime Services – NSW  
 RoadNet – Qld  
 Robson Civil Projects – NSW  
 RPS – NSW, Qld  
 RSA Contractors – Qld  
 RTN Drafting Services – Vic  
 RW Surveys – NSW  
 Salini Impregilo (NRW JV) – WA  
 Sasan Safari – Vic  
 Schick Civil Construction – NZ  
 SCP Consulting – NSW, SA  
 Seam Surveys – Qld  
 Sedgman – Qld  
 Seymour Whyte – NSW, Qld  
 Shadforth's Civil – Qld  
 Shawmac – WA  
 Singleton Survey Services – NSW  
 SKS Surveys – SA  
 Smart Structures Australia – NSW  
 SMEC – NSW, Qld, Vic, WA  
 SMEC Urban – Vic  
 South32 Worsley Alumina – WA  
 Southern Land – NZ  
 Spencer Surveys – Qld  
 Spire – Vic  
 SportEng – Vic  
 Sproutt – SA  
 Spyye Surveying Solutions – NSW  
 SRB Consulting – NSW  
 Staig and Smith – NZ  
 Stevenson Surveys – Qld  
 Storm Surveying – Vic  
 STP Consultants – Qld

Sunrise Surveying – Qld  
 Survey Dynamics – WA  
 Survey Dynamics Group – Qld  
 Survey Insight – NZ  
 Survey Work – NZ  
 Surveyors @ Work – Qld  
 SurveyPro – NZ  
 Tanaus Group – NSW  
 Taylors DS – Vic  
 Technical Spatial – Qld  
 Tetra Tech Proteus – WA  
 TGM Group – Vic  
 The Surveying Company – NZ  
 The University of Waikato – NZ  
 Thornley & Associates – NZ  
 Titec – Qld  
 Tomkinson Group – Vic  
 Taskin and Taylor Group – NZ  
 Tonkin Consulting – NT, SA  
 Toowoomba Regional Council – Qld  
 TR Bailie Consulting Surveyors – Qld  
 Tracc Civil – WA  
 TrCAD Design – NSW  
 Tripp Andrews Surveyors – NZ  
 TSS Total Surveying Solutions – NSW  
 Turf – Vic  
 Turnbull Engineering – NSW  
 UAV Surveys – NSW  
 UDY Contracting – NZ  
 Urban Design and Management – Vic  
 Utec Solutions – NSW  
 Utility Scan – NSW  
 Valley Civil – NSW  
 Vector Survey – Vic  
 Veris Australia – NSW, Qld, Vic, WA  
 Verve Projects – Vic  
 VFT Engineering Surveyors – NSW  
 Vincent Kasiano – Qld  
 Vision Surveys – Qld  
 Walker SEP – NZ  
 Wallbridge Gilbert Aztec – SA  
 Workworth Surveyors – NZ  
 Warren Shire Council – NSW  
 Water Modelling Solutions – Qld  
 Watsons – Vic  
 WBHO Infrastructure – Vic  
 Weller Surveying (2016) – NZ  
 WesEng Consulting – NSW  
 West Tamar Council – Tas  
 Wilson Contractors – NZ  
 WMG Engineering Surveyors – NSW  
 WML Consultants – NSW  
 Wollondilly Shire Council – NSW  
 Wolter Consulting – Qld  
 Wood and Jeppen Consultants – Fiji  
 Wood & Partners – NZ  
 WorleyParsons – Qld, WA  
 WSP – NSW, Qld; NZ  
 WW Surveys – NSW, Qld  
 Yeats Consulting – Qld  
 Yeoman & Associates – NZ  
 Zenviron – NSW

### 12d Synergy

Arcadis – NSW  
 Aurecon – Australia & NZ  
 BG&E Cardno JV – Qld  
 Bland & Jackson – NZ  
 Blue Barn Consulting Engineers – NZ  
 Bouygues Construction Australia – NSW  
 Buckton Consultants – NZ  
 Byrne Consultants – Qld & NT  
 Candor3 – NZ  
 Cardno – Qld  
 Cheal – NZ  
 CPB Contractors – NSW, Vic  
 DA Surveying – NSW  
 Dalton Consulting Engineers – Vic  
 Darby Partners – NZ  
 Dempsey Wood Civil – NZ  
 Department of Transport & Main Roads – Qld  
 Empire Solutions – Qld  
 Fulton Hogan – SA  
 GHD Pty Ltd – Qld, NSW, Vic; NZ  
 Graham Surveying – NZ  
 Harrison Infrastructure Group – NZ  
 HDR – Qld  
 J Wyndham Prince – NSW  
 Jacobs Group – Australia  
 Land Surveys No Problem Just Solutions – Vic  
 Landlink – NZ  
 LDEng – Land Development Engineering – Vic  
 McCaffrey Engineering Consultants – NZ  
 McKay Knarston – NZ  
 McKenzie & Co – NZ  
 Ngati Tuwharetoa Geothermal Assets – NZ  
 Orogen – NZ  
 Paterson Pitts Group – NZ  
 Premise Group Services – Qld  
 RKF Engineering Services – NSW  
 Rose Atkins Rimmer – NSW  
 RPC – NZ  
 SMEC – Australia  
 Southern Land – NZ  
 SportEng – Vic  
 Surveying Services – NZ  
 Titec – Qld  
 Tomkinson Group – Vic  
 Veris – Australia  
 Verve Projects – Vic  
 WSP – Australia

