



The Dirt Digger



Welcome

...to the latest edition of The Dirt Digger. It's been a while since we've released one of these, so we have lots of news to share!

We've been very lucky here at 12d in that we've been able to keep going throughout the pandemic these past three years, and to help our customers do the same, in particular by providing COVID cloud licences so users could easily work from home. We firmly believe that companies that can help in a crisis have a responsibility to do so – it's always been part of our ethos.

Luckily, most of our clients found ways to keep working through the pandemic and much to our surprise, financial years '21 and '22 resulted in record sales for both 12d Model and 12d Synergy.

Our programming teams shifted to working online but our development continued at a frantic pace, resulting in 12d Model 15 and 12d Synergy 5 being released during the pandemic.

The pandemic also forced us to postpone our 12d Technical Forum and move it online as the 12d Tech Forum 2021. This was a huge success with over 5,000 registrants.

But even though going online proved a success, now that things are opening up again, we look forward to meeting everyone in person.

This issue will feature:

- Reseller of the Year
- New 12d Award
- New photo competition
- The Civil and Surveying Institute unleashes SPOT
- ADAC: Bundy and Beyond
- 12d Tech Forum and Innovation Awards 2021 – review and videos
- What's New in 12d Model 15 and 12d Synergy 5
- Hosted network licences

We look forward to hearing any feedback or news you might have. This will be the final issue in the current format – our next newsletter will have a new look, and will contain the rest of our news we couldn't fit in this time!

Regards,

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Reseller of the Year

The winner of our Reseller of the Year Award for FY22 was...Extra Dimension Solutions (EXDS)!

EXDS also set a record, training over 100 Surveyors from one government department!

Working closely with TfNSW staff and key clients, EXDS has developed tools and workflows that construction contractors are using to streamline output of as-built data for the State's 'RAMS' asset database.

The new 'Metaconnex' tools (available in 12d Model 15) are used for these RAMS procedures, and in workflows used by designers to meet TfNSW DE Framework requirements.

Fantastic work across NSW/ACT/SA, Team!

New 12d Award

We've introduced a new award for educational institutions. The top student in courses featuring 12d Model software will be given a certificate and a free 12-month Subscription Licence of 12d Model software.

Pictured here is Cameron Gardiner from TAFE Queensland (South Bank Campus), one of our lucky winners.



Photo competition: "Where do you use 12d?"

Send us your happy snaps whenever you use 12d Model somewhere unusual, even unusual inside your office! We'll award a free SPOT course to the owners of any images that we post. The funniest and most interesting will be in with the best chance. Send your entries to info@12d.com



The Civil and Surveying Institute unleashes SPOT

In case you haven't heard, the Institute of Surveying and Civil Design Training (ISCDT) has been rebranded as the Civil and Surveying Institute (CSI): www.civilandsurveying.com.

CSI is an authorised 12d Model training centre offering training programs for novices through to experienced 12d Model users.

For instructor-led courses, CSI has online and face-to-face training, either as open courses, or courses restricted to one company. Tailored courses are also available.

CSI realised that not everyone can attend their instructor-led courses and so has added [Self-Paced Online Training \(SPOT\)](#) to its offering.

With SPOT, you work through a course at a time of your choosing, from anywhere in the world - all you need is a Microsoft computer, two screens, an internet connection, and an interest in learning.

Once enrolled in a SPOT course, you can play, and replay, the videos for twelve months, and on successfully completing all the lessons and any associated quizzes, you receive a Certificate of Completion. Most courses also include access to a 12d Model licence for up to six months.

Another service offered by the Civil and Surveying Institute is Proctored exams. In a proctored exam, you are under online supervision and work through, and successfully complete, a number of 12d Model tasks. After passing a Proctored exam, you will receive a Certificate of Competency.



Although Proctored exams are based around 12d Model courses, they are open to anyone, regardless of whether you have taken a CSI course.

So, if you need civil and surveying training using 12d Model, the Civil and Surveying Institute is the place to go.

ADAC: Bundy and beyond

On 1st September 2017, Bundaberg Regional Council (BRC) adopted the ADAC system for As Constructed XMLs for data provided by the Development Industry.

"However, ADAC, as the name implies, is Asset Design and As Constructed...so why doesn't our industry provide 'Design For Construction' in ADAC.XML?" said Adam Johnston, Manager of

Design at Bundaberg Regional Council.

"ADAC no longer needs to be only part of the As Constructed package at BRC ...The goal was to produce an ADAC.XML file from a 12d design so that it could be read into our GIS and accounting systems and supplied to industry so that it could be used by any other system that reads ADAC.XML."

With this in mind, at 12d Solutions, Paul Hardwick and Peter Taynton enhanced the new 12d Model 15 option, Metaconnex, and added extensions to snippets, 12d mapfiles, chains and macro calls, to make this a reality. Mal Peaker then trained the BRC Designers in the new process.

"This process used to be done manually and could take weeks for large projects. Now this only takes hours to achieve, arguably with more accuracy than before," said Adam.

The next logical question is: if we have ADAC at design and at the As Constructed phase, where will this process lead? Stay tuned!

The 12d Tech Forum 2021 was a huge success...and all can now join the fun!

Due to COVID, the **12d Tech Forum 2021** was held as a virtual event and had over 5,000 registrants, so we couldn't have been happier.

The three-day industry event featured over 80 expert speakers. Some of the highlights included keynotes from 12d Founders, Piritahi, SMEC, Arup, technical deep-dive sessions for all 12d users, from basics to advanced training, project Case Studies: City Rail Link, Western Sydney Airport, North East Link, and many more!

The videos of the 12d Tech Forum were available exclusively to registrants for twelve months, but that time has now passed and the videos have been posted as a Free course on the [Self-Paced Online Training \(SPOT\)](#) section of the Civil and Surveying Institute (CSI). If you have [already registered](#) for SPOT, the videos will be there when you next log in.

12d Innovation Awards 2021 results

Although the **12d Tech Forum** had to be held online, the **12d Innovation Awards** were still conducted. The judges were again overwhelmed by the quantity and quality of the entries, and found it exceptionally difficult to decide on the winners.

From clever macros to awe-inspiring projects, our users find ingenious solutions to challenging issues, and push the boundaries of technology, surveying,



engineering, and construction.

The winner of the **Design category** was **Peter Zimmerle** of [Harrison Infrastructure Group](#).

The winner of our **12d Synergy Award** for 2021 was the team from [Premise](#), **Andrew Langdon** and **Glenn Brosnan**.

The winner of the Surveying & Construction category was a joint effort - **Sam Cech** of [Tatras Consulting](#) and **Mark Finlayson** of [Envivo](#).

The winner of the **BIM & Visualisation** category was **Niall Brady** of [Digitise Consulting!](#)

The winner of our **Banishing the Drafting Demon** Award was **Grant Wandel** of [Southern Land Ltd](#).

The winner of the **Water** category was another collaboration of innovators: **Patrick Cavanagh**, **Richard Russell**, **Michael Huan**, and **Brett Hussey**, of [Arcadis](#), [Aurecon](#), and **CPB Acciona JV** (<https://www.cpbcon.com.au/> & <https://www.accionacom.com/>).

Picking the winner of our **Customisation Award for 2021** was an extra tough call. Two entries were deemed to have equal merit, and the Award was shared between two great projects, by **Allan Walker** and **Joshua Allison**, both of [SMEC](#).

The **Overall Winner for 2021** was yet another great piece of teamwork – **Sam Cech** of [Tatras Consulting](#) and **Daniel Ripley** of [Acciona!](#)



Great work, Sam and Dan; that top prize was well-deserved!

More

information on each of the Innovation Awards is also available in SPOT, or you can watch the presentation [here](#).

What's New in 12d Model 15

Well, it's official... **12d Model 15** is another huge release - so many updates across the board.

There are some totally new features, and also improvements and extensions to existing functionality, to allow users to overcome new problems, simplify their procedures, and speed up processing. These features, improvements, and extensions include...

New Project Launcher: a new front screen to create and access projects as well as quick links to the What's New, Reference and Macro manuals, our YouTube videos and 12d.com.

Themes: Previously **12d Model** was shipped with a fixed Main menu and submenu structure but **12d Model 15** comes with Themes for BIM, CAD, Design, Survey, 12d Field, Tin and Water, each with its own menu structure and the choice of icon sizes, so 12d Model can be used on all monitors from tablets to 4K.

Object Tree: In 12d Model 15, names of models, tins, functions and templates can have path names like in Windows with folders and files.

As projects become larger, the number of models, tins, functions and templates rapidly increase and pop-up lists become unmanageable so in 12d Model 15, names of models, tins, functions and templates can have path names similar to folders and files in Windows. This allows items to be easily grouped.

AutoUpdater: when **12d Model 15** is installed by Admin, an AutoUpdater service can also be created so that future subversions can be installed without needing Admin privileges.

Quick Starts for simplifying the creation of roads designs and water networks and simplifying starting up survey.

New MetaConnex for creating and checking of attributes.

Water: Concept Stormwater Design, flooded widths for Dynamic Drainage for full backwater calculations, Water Quality using MUSIC (Model for Urban Stormwater Improvement Conceptualisation) - create, import, and edit MUSIC files, create water mains, on road catchment creator, Inlet capacity curve creator, direct rainfall temporal patterns with losses (ARR 2019, TP108), 2D Quadtree and Subgrid Sampling for better quality results.

Alignment and MTF: new Parts editor in Super Alignment, MTF speed ups and additions with less processing storage space required, many snippet additions, rail regression.

Survey: support for the LINZ rules for NZ, GNSS Vector Reports in NZ.

New Projections file editor including Vertical Datums, new General Conformance option, SDR Improvements, Least Squares Adjustment improvements, Pavement Conformance improvements.

12d Field: support for Leica AP20 Smart pole, standardised icons, improved interfacing with



Topcons

BIM: Read and Write IFC 2x3, 4 and 4x3 files, KML writer improvements, Masonry block retaining wall, Improved handling of Point Clouds

General: Cut and fill between two tins, grid volumes, tins and 3D objects can be created from strings and attributes.

*And the best part? For users on maintenance, there is **no cost to upgrade to 12d Model 15.***

Click [here](#) to watch the **What's New in 12d Model 15 video from the Tech Forum 2021!**

Hosted network licences

12d Solutions can now host your **12d Model 15** network licences for you.

What's New in 12d Synergy 5

Web & Mobile

The first major feature in version 5 is **Web & Mobile**. Stay connected to your 12d Synergy Common Data Environment (CDE) anywhere, anytime, from a phone or a tablet. All you need is the App (either IOS or Android), or a web browser, and an internet connection!



Surveyors or Project Managers can retrieve all their important documents and files while out on site. Users can review their designs while commuting or in between meetings. You

can also upload photos directly from the field where naming conventions will be automatically applied to ensure standards are maintained.

ISO 19650

Further enhancements have been made to 12d Synergy's workflow engine to comply with ISO 19650 standards. Outputs from all file types can be managed through WIP, Shared, Published, and Archived via approval gates. Status codes and revisions are managed along the workflow, and permissions can be applied for access to key areas (i.e., Collaborator access to Shared and Published). Out-of-the-box 12d Synergy's ISO 19650 solution has been developed in compliance with the Transport for NSW (TfNSW) digital framework. Further developments can be made to comply with the standards which your organisation, delivery authority or assigning party have

established. Contact your 12d Synergy account manager for more information.

Collaborator Access

The next major feature is **Collaborators**. This feature allows you to invite third parties to access your information from your own 12d Synergy system, with restricted permissions and in a Read-Only format.



You can bring contractors, developers, and clients outside of your organisation or department to access valuable documents and files. These third parties will only need a free Collaborator license and a web browser to open the data. The entire project team can work and collaborate all from within the same system.

12d Model Customisation

12d Model Customisation files can now be downloaded and transferred onto a non-workspace location, like your standard C drive. Your files are still "checked out" and with simple workflows, local unauthorised changes will be prevented. This provides better support in an offline environment, especially for adoption in new users.

Offline Mail Management

Email management within 12d Synergy has always been a key part of our product. Now you can queue emails for filing while you're offline through your mail app and then everything syncs up, once you reconnect online. This will be extremely handy when you're on the go.

Two-Factor Authentication

You can set a second level of authentication via email or through a mobile authentication app for 12d Synergy users, ensuring greater security measures for your Common Data Environment.

Compressed Downloads

This will really help with home internet connections and users with limited bandwidth. 12d Synergy already supports compression of 12d Model projects and Managed Folders before uploading. Now in Version 5, files and data can be compressed before downloading from your server.

Click [here](#) to watch the **What's New in 12d Synergy 5 video from the Tech Forum 2021!** **More videos from the event are available in [SPOT](#) (if you've [already registered](#) for [SPOT](#), the videos will be visible to you).**



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

12d Model

224c Services – NZ
2Survey – Vic
360 Surveying – SA
3DS Finza Group – Vic
43 Below – NZ
4D Surveys – NSW
4DQ Surveying – WA
A. Khosravi Engineering Services – WA
Acciona Coleman Rail Joint Venture – Vic
Acciona Geotech Group Services – NSW, Qld, Vic
Acor – NSW
AcroPlan – NSW
Active Survey – NZ
AD Design and Consulting – Tas
Adams Shaw – NZ
ADG Engineers – NSW
Advanced Surveys Australia – Qld
Advent Consulting – NSW
ADW Johnson – NSW
AECOM – Qld, WA
Affinity Surveys – NSW
AGS Mapping – Malaysia
AJS Surveys – Qld
AKEL Consulting Engineers – NZ
Alan Sullivan & Associates – Qld
Alex Crowe – Vic
Alexander and Symonds – SA
Alliance Design Group – Qld
Alliance Surveying – WA
Allroads – Qld
Alluvium Consulting – Qld, Vic
AMI Civil Design – Qld
Anki Group – NZ
AR & Associates – NZ
Arcadis – NSW
Arcoss Consulting – NT
Arete Survey Solutions – NSW
ARO Industries – Qld
Aspect Australia – NSW
Asset Survey Solutions – Vic
Astrae – NSW
AT & L – NSW
ATC Williams – Qld
Atol Dreise Consulting – Qld
Auspat Land Survey Australia – Vic
Australian Consulting Engineers – NSW
Australian Utility Solutions – NSW
AVIA Environmental – NZ
AWT Survey – NSW
Axis Spatial – NSW
Axis Consultants – NZ
Ayson & Partners – NZ
BA Surveys – SA
Babbage Consultants – NZ
Barker Ryan Stewart – NSW
Barlow Shelley Consulting Engineers – Qld
Barwon Water – Vic
Base Consultants – NZ
Bax Engineering – Qld
Bay of Plenty Regional Council – NZ
Bechtel – WA
Bellas and Reitano – Qld
Ben Evans – Vic
Benchmark Surveys – WA
Bennett + Bennett – Qld
Beveridge Williams – NSW, Vic
Beyond (Maven Bay of Plenty) – NZ
BG Contracting – NZ
BG & E – Qld, WA
BG Group – Qld
Bleibly Holdings – Qld
Birch Surveys – NZ
Bligh Tanner – Qld
Bloxam Burnett and Oliver – NZ
BMD Group – Qld
Bonisch Surveys – NZ
Bornhorst and Ward – Qld
Boundary Hunter – NZ
Brandon & Associates – Qld
Brisbane Airport Corporation – Qld
BTE Consulting – NSW
BTW Company – NZ
Builder – NSW
Bundaberg Regional Council – Qld
Burchills Engineering Solutions – Qld
Byrne Consultants – NT
Byrne Design – Qld
Byrne Surveys – Qld
CAF Turnkey and Engineering – Spain
Calculated Surveys – SA
Calibre Group – NSW, WA
Callaghan and Toth – Qld
Cameron Gibson and Wells – NZ
Capital Consulting Engineers – NSW
Cardno Group – NZ
Cassowary Coast Regional Council – Qld
CDM Smith – Qld
Charlton Deeg – Vic
Cheal Consultants – NZ
Churchill Land Development Services – NZ
City of Adelaide Council – SA
City of Bussetton – WA
City of Gold Coast – Qld
City360 Engineering – Qld
Civil Focus – NZ
Civil Geospatial Services – Qld
Civil IQ – Qld
Civil Project Solutions – NZ
Civil Services (HB) – NZ
Civil Solutions – NZ
Civil Team Engineering – NSW
CivilPlan Consultants – NZ
CiviTEC – NZ
Civilstorm – Qld
Civix – NZ
CKF Surveys – NSW
Clark Fortune McDonald & Associates – NZ
CLC Consulting Group – NZ
Coastal Civil Designs – Qld
Coastwide Surveys – NZ
Coffs Harbour City Council – NSW
Colliers Engineering and Design – Qld, Vic
Consurv – NZ
Context Engineering – Qld
Contour Consulting Engineers – Qld
Cookson Land Surveying – NZ
Copper Coast Council – SA
Core Spatial – NSW
Cormac Rd Civil – Qld
Coromandel Surveys – NZ
Covey Associates – Qld
CPB Contractors – NSW, Qld, Vic
CPU Ministry of Infrastructure – Solomon Islands
Craig and Rhodes – NSW
Crang Civil Consulting Engineers – NZ
Creo Consultants – Vic
Crossroads Civil Design – NSW
Crushing Services International – WA
CTD Civil Transport Design – NZ
CVD Group – Qld
D & M Consulting – NSW
DAC Projects – Vic
Daly Smith – NSW
Daniel Telford O'Donnell – Qld
Darcson Group – NSW
Davie Lovell Smith – NZ
Davis Ogilvie Professionals (Aoraki) – NZ
DBD Environmental – NSW
de Groot and Benson – NSW
De Nadd Engineering Surveys – WA
De Witt Consulting – NSW
Definition Surveys – NZ
Degolari Smith & Partners – NSW
Dempsey Wood – NZ
Department of Transport and Main Roads – Qld
Development NOUS – NZ

Digital Surveying Solutions – WA
Dixon Homes – Qld
Dixon Surveying – NSW
Douglas Partners – NSW
Downer – NZ
Drayton – WA
Drone and Land Surveying – NZ
Dungog Shire Council – NZ
Durkin Construction – NSW
Dykmans Consulting – Qld
Edegoe Engineering – WA
Elevation Company – NZ
Elite Survey – NSW
Empire Engineering – Qld
Energy Fiji – Fiji Islands
Engineering and Mining Surveys – Qld
Engineering Survey Group – NSW
Engineering Surveys – SA
Engineers Plus – Qld
Engrade Group – Qld
Enspire Solutions – NSW
Envelope Surveying – NZ
ERSCOM – Qld
ESO Surveys – NSW
Everest – NZ
Exegen – Qld
Ezra – NZ
Ferg and Roeds – Qld
Flat Out Surveying – Vic
Flow Defence – Qld
Ford Civil Contracting – NSW
Fortescue Metals Group – WA
Fox Geospatial – Vic
Fredriksen Maclean & Associates – Qld
Frerids Civil Engineering – Qld
Fulton Hogan Group – NSW, Qld, Vic, NZ
Fyfe – Qld
Gandy and Roberts – Tas
Gassman Development Perspectives – Qld
GCA – NSW
Genesis Engineering Consultants – Fiji Islands
GeoMatic – NZ
Geosurv – NSW
Gowatons – NZ
Gertzel – Vic
GMC Surveying – Qld
GR Engineering Services – WA
Graham Surveying – NZ
Greater Shepparton City Council – Vic
Greenfield Technical Services – WA
H & T (2019 - Tomlinson & Carruthers Surveyors) – NZ
Hall Creek Coal – Qld
Hall Contracting – Qld
Haro Designs – Qld
Harper Somers O'Sullivan – NSW
Harrison and O'Sullivan – NZ
Harrison Grierson – NZ
Hatch – Qld
Hawkes Bay Civil Contractors – NZ
Haywey Services – WA
HE Engineers – Qld
HDR – Qld
HEB Construction – NZ
HFC Group – NZ
Hillier – Fiji Islands
Hole Development – NZ
Hopper Development – NZ
Hughes Trueman – NSW
Hydro Electric Corporation – Tas
i Consulting – Qld
ICD Asia Pacific – NSW
Indesco Consulting Engineers – NSW
Inertia Engineering – Qld
Infra Taps – NZ
Infinity Surveys – NSW
Infra-Struct Group – Qld
Infrastructure Nation – NSW
Inovo Projects – NZ
Insight Surveys – Qld
Integral Surveys – NSW
Isaac Construction Co. – NZ
JACO Surveys – Vic
Jacobs Group – Qld, WA
JCA Land Consultants – Vic
JCO Consultants – NSW
JEA Survey – NZ
Jensen Bowers Group – Qld
JFP Urban Consultants – Qld
JJ Barber Holdings – NZ
JJ Civil – Qld
J.K. Construction – NZ
JK Williams & Company – NSW
JME Civil – NSW
John Holland – NSW, Qld, Vic
John Stafford West – NZ
Johnston Civil – NZ
Jones Nicholson – NSW
JRKama – Qld
Juffemans Surveying – NZ
Jurovich Surveying – WA
Justin Lechner – NSW
Kaku Surveying – NSW
K&A Australia – Qld
Kercheval Engineering Australia – WA
Keystone Consultants – Fiji Islands
Kings Karmchang 2014 Co. – Thailand
Klopper Dobos – Vic
Knobel Engineers – Qld
Kotare Consultants – NZ
KR Surveys – WA
Kumpulan Semesta – Malaysia
KW Consultants – NZ
LA and J.A. Maurenbrecher – NZ
Laing O'Rourke – Vic, WA
Lambert and Reibehin – Qld
Land Design – NSW
Land Dimensions – NZ
Land Dynamics Australia – NSW
Land Matters Property Consultants – NZ
Land Surveys No Problems Just Solutions – NSW, WA
LandPartners – Qld
Landpro – NZ
Lands and Survey (Whangarei) – NZ
LCC – NSW
LD Eng – Vic
Leigh Surveys – Qld
Libbet – NZ
Lindsay Dyman – NSW
Linke and Linke – NSW
Locaters – NSW
Logan City Council – Qld
LogGams – Qld
Lund Survey and Civil – Qld
Lynton Surveys – NSW
M8 Group – NZ
Mach1 Contracting – NZ
Machine Enterprises – Qld
Mackay Regional Council – Qld
Macquarie Survey – NSW
Mainland Surveying – NZ
MakerEng – NSW
MANAGE-DESIGN-ENGINEER (MDE) – NSW
Martens & Associates – NSW
Masters Surveying – NSW
Maven Associates – NZ
McCaffrey and Cable Consultants – NZ
McCallum Surveys – WA
McConnell Dowell Constructors – NZ
McDonald Surveys International – WA
McFlynn Surveying – NZ
McKenzie & Co. Consultants – NZ
McMurtrie Consulting Engineers – Qld
Measured Land Surveys – NZ
Metric Surveying – NZ
Michael Crane – Qld
Milanovic Neale Consulting Engineers – Qld
Mine Earth – WA
MinStaff Survey – Qld

Mott MacDonald – ACT, NSW, Qld, Vic
Multi Surveying – Qld
MVR Surveys – Vic
Myall & Co. – NZ
Napier City Council – NZ
Neill – NZ
Newton Denny Chapelle – NSW
Nicholson Surveying – NZ
Northern Hills Drafting – NZ
Northern Surveyors – NSW, Qld
NorthSurv – NZ
NTCADS – Tas
NTS Group – Qld
Offset Surveying – NZ
Onsite Surveying – NSW
Origin Engineering Surveys – Qld
Orion Consulting Engineers – NSW
Orion Spatial Solutions – Qld
Orogen – NZ
Owen Consulting – Qld
Pacific Survey – NSW
Paradigm Civil – NZ
Pavement Management Services – NSW
Pilbara Surveys – WA
Pilbrow Surveying – NZ
PLANIT Engineering – NSW
Point Survey – NZ
Pomelo Consulting – NSW
Precinct Land Consultants – Vic
Precise Surveys – WA
Procto Group – NZ
Project Delivery Partners – SA
Project Surveys – NZ
ProSURV Consulting Surveyors – NZ
Protanz Earthmoving – NZ
PT Arman Resources – Nusa Tenggara – Indonesia
PT Kalimantan Prima Persada – Indonesia
PT Kideco Jaya Agung – Indonesia
PT Kobexindo – Indonesia
Quadrant – Portugal
Queensland Rail – Qld
Queensland Surveying Solutions – Qld
Quest Surveys – NSW
Quickway Constructions – NSW
R&R Design – NSW
Rail Infrastructure Alliance – Vic
Rail Projects Victoria – Vic
Rajamangala University of Technology Krungthep – Thailand
Real Time Survey – NZ
Realsurv Engineering Surveys – NSW, Vic
Recruitment Engineering Services – Qld
Red Earth Engineering – Qld
Red Fox Advisory – Qld
Redland City Council – Qld
Resonant Consulting – NZ
Reyburn and Bryant – NZ
Rio Tinto – WA
Rivo Rivo – Vic
Road and Civil Surveys – NSW
Road Resources – NSW
Roads and Maritime Services – NSW
Robertson Land Surveys – NZ
Roegner and Hamilton Consulting Engineers – Qld
Roy Hill Holdings – WA
RPA Group (Fiji) – Fiji Islands
RPC – NZ
Ruby Developments – Qld
Samana Blue Engineering – Qld
Sanderson Group – NZ
Schick Civil Construction – NZ
Scope Surveying – NSW, NZ
SCF Consulting – NSW
Seymour Whyte – NSW, Qld
Shadforth's Civil – Qld
Simmons Surveys – NZ
Sino – Vic
Simpson Shaw & Co. – NZ
Sino-Thai Engineering and Construction – Thailand
Stevor Civil – NZ
STC Engineers – Vic
SLR Consulting Australia – Qld
SMEC – NSW, Qld, Vic
Southern Horizons Survey – NZ
Southern Land – NZ
Spiire – Vic
SportEng – Vic
Square Peg Surveying – NZ
Stag and Smith – NZ
Sterling and Wilson Solar Australia – NSW
STP Consultants – Qld
Sunrise Surveying – Qld
Superior Surveys – WA
Survey Focus – NSW
Survey Group – WA
Survey Management Solutions – Qld, Vic
Survey Unlimited – NZ
Survey Work – NZ
Surveying Services – NZ
Surveyors @ Work – Qld
Survplanz – NZ
Surus Consultants – NZ
Sydney Survey Management – NSW
TABEC – WA
Tahnee Consulting Services – NSW
Tasman Geomatics – NZ
Taylors Development Strategists – Vic
Technical Spatial – NZ
TEK Land Surveyors – NZ
Terra Group – NZ
Terramark – NZ
Territory Project Management – NT
Tetra Consulting – Qld
The Bathia Group – NSW
The Carmo Group – NSW
The Surveying Company NZ – Hastings, Pukekohe, Wellington
Thornley & Associates – NZ
Tiaki Engineering Consultants – NZ
Titus Consulting Engineers – NZ
TL Survey Services – NZ
Tomkinson Group – Vic
Tonkin Consulting – SA
Trafficworks – Vic
Transport for NSW – Parramatta, Sydney, Wollongong, etc.
Trevor Howard – NSW
Trig Consultants – NZ
Trinity Engineering and Consulting – Qld
Tripp Andrews Surveyors – NZ
TSS Total Surveying Solutions – NSW, NZ
Turnbull Engineering – NSW
UWA Projects – Qld
Usher & Company – NSW
Utility Mapping (Aust) – Vic
Valad Property Group – NSW
Valley Survey Company – NZ
Van Der Meer Consulting – NSW
Vecta – NZ
Vector Survey – Vic
Vera Australia – NSW, Qld, Vic, WA
Verve Projects – NSW
VFT Engineering Surveys – NSW
VG Surveys – NZ
Vision Surveys – Qld
Viv Civil Consulting – NZ
Vukich and Borich – NZ
Wagner Corporation – Qld
Waimea Surveying – NZ
Walbridge Geomatics – SA
Watson Civil Surveys – Qld
Watson Surveying – Qld
Webuild – NSW, Vic
Western Engineering – NSW
Westlake Punnet & Associates – NSW
Wigley and Roberts – NZ
Wilson Contractors (2003) – NZ
WIM Engineering Surveyors – NSW
Wolter Consulting – Qld

Wood and Jepsen Consultants – NZ
Wood & Partners – NZ
Wood Australia – Vic
Worley – Qld, WA, NZ
WRM Water and Environment – Qld
WSP – Qld, Hong Kong, NZ, Philippines, South Africa
WW Surveys – Qld
Xavier Knight – NSW
Xeros Piccolo Consulting Engineers – NSW
Yeomans Survey Solutions – NZ
Zone 50 Engineering Surveys – WA
Zom Surveying – NZ

12d Synergy

2Survey – Vic
Access Land Surveying – NZ
Acciona – Australia
ACS Engineers – Qld
AD Design and Consulting – Tas
AECOM – Qld
Alliance Surveying – WA
AR & Associates – NZ
Arcadis – NSW
ARO Industries – Qld
Aron Survey – NZ
Baseline Group – NZ
Bennett + Bennett – Qld
Beveridge Williams – Vic
BG&E Resources – WA
Bland and Jackson Surveyors – NZ
Bloxam Burnett and Oliver – NZ
Blue Barn Consulting Engineers – NZ
Botany Rail Duplication – NSW
Buck Alexander Surveys – NZ
BTW Company – NZ
Buckton Consulting Surveyors – NZ
Burbury Consulting – Tas
Byrne Consultants – NT
Candor – NZ
Cato Bolam Consultants – NZ
CGO Consulting Engineers – NZ
Charter Keck Cramer – Vic
Cheal – NZ
Civil Focus – NZ
CKL – NZ
CLC Group – NZ
Clarence Valley Council – NSW
Cognswell Surveys – NZ
Contour Consulting Engineers – Qld
Cook Castello Consulting Engineers – NZ
Core Spatial – NSW
Covey Associates – Qld
CPB Contractors – NSW
Creo Consultants – Vic
Cuttriss Consultants – NZ
Daly Smith – NSW
Darwin Engineering – NZ
Daracon – NSW
Darby Partners – NZ
Davis Ogilvie & Partners – NZ
De Nadd Engineering Surveys – WA
Dempsey Wood Civil – NZ
Dungog Shire Council – NSW
Dykmans Consulting – Qld
Eliot Sinclair – NZ
Entura – Tas
EZO Surveys – NSW
FJA – NSW
Fortescue Metals Group – WA
Fraser Thomas – NZ
Fulton Hogan – NSW
Geoworks – NZ
Gold Coast Light Rail – Qld
Goodearthmatters – NZ
Goodman Contractors – NZ
Graham Surveying – NZ
Greenfield Technical Services – WA
Group Development Services – NSW
GT Survey – NZ
Har Design – Qld
Harrison Grierson – NZ
Harrison Infrastructure Group – Qld
Hatch – Australia
HDR – Qld
Horizon – NZ
i Consulting – Qld
Integral Surveys – NSW
Jacobs Group – Vic
JDSI – WA
Kaiga Ora – NZ
Kercheval Engineering Australia – WA
Kingston Partners – NZ
Kingstons Project Management – NZ
Kotare Consultants – NZ
KOL Consultants – NZ
Laing O'Rourke – NSW
Land Matters Property Consultants – NZ
Landpro – NZ
LW Survey – Qld
Mainland Surveying – NZ
McCaffrey and Cable Consultants – NZ
McConnell Dowell Constructors – NZ
McKay Knarston – NZ
McKenzie & Co. Consultants – NZ
Maker Eng – NZ
MinStaff Survey – Qld
Miyamoto – NZ
MI Messenger Alliance – NZ
MTL – NZ
Neil Group – NZ
Ngati Tuwharetoa Geothermal Assets – NZ
Orion Consulting – Australia
Orogen – NZ
Pateron Pitts Group – NZ
PEAKURBAN – Vic
Penlink – NZ
Pritchard Alliance – NZ
Pitt and Sherry – Tas
Plant – SW
Precinct Land Consultants – Vic
Premise – Qld
Quoin Structural Consultants – NZ
RAD Surveying – NZ
Rail Infrastructure Consultants – NZ
Real Time Survey – NZ
Recof – Qld
RIFK Consultants – NZ
RKF Engineering Services – NSW
RPC Land Surveyors – NZ
Scope Surveying – NZ
SCP Consulting – NSW
Seymour Whyte – NSW
Site and Civil Consulting – Qld
Southern Land – NZ
SportEng – Vic
Stantec – NZ
Stratum Consultants – NZ
Summit Survey – NZ
Surveying Services – NZ
TABEC Civil Engineering Consultants – WA
Tas Hydro/Entura – Tas
Tatras Consultants – NZ
Tauranga City Council Accessible Streets – NZ
Taylor Patrick – NZ
Te Ahu a Turanga Alliance – NZ
Te Aranga Alliance – NZ
Terra Group – NZ
Terramark – NZ
Todd Property – NZ
Tonkin + Taylor – NZ
Trans4m Rail – NSW
Verve Projects – Vic
Vitruvius – NZ
Wakatipu Transport Programme Alliance – NZ
Webuild – Australia
Wood & Partners – NZ

