



Staig & Smith Newsletter

**Issue 2
June 2014**



New Technologies



**Staig & Smith's
Special points of interest:**

- New Technologies
- Celebrations



The Quad Copter is a fun tool which we are experimenting with. Officially referred to as an Unmanned Aerial Vehicle, others would call it a remote controlled helicopter. With this instrument, we are able to capture whole sites, which previously were not possible. We have used this for providing aerial photographs in association with "As Built" Plans. We also use the instrument to reconnoitre remote & difficult country to identify suitable boundary locations & assess the suitability of building platforms.



Council Update:

- Thinking of Unit Titles?
- HAIL sites
- NCC woodburners

With the Quad Copter, we are able to capture oblique or vertical photographs or videos. We are also able to remove distortion from perspective to create a true plan view, known as an Orthophoto.

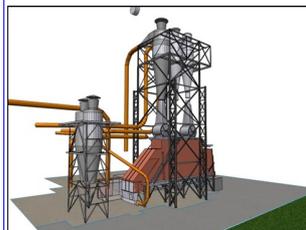
We see this tool as being able to be used for a wide range of applications, whether it is building inspections, visualisation for development & construction monitoring. Outside of our core works, we also consider that the instrument is an asset for real estate photography, sports events & even accident surveying. It is also able to be hired for regular vine/orchard health & maintenance checks.



Next Issue:

Flown Ortho Aerial Photography

3D Laser Scanning is another exciting technology we are using. The scanning enables us to monitor movement of hillsides & capture the exact physical proportions of buildings or objects, all of which is becoming important with changes to our responses to the level of risks. Laser Scanning also provides accurate information to plot gradual deformation on a building or site.



Scan of structure before

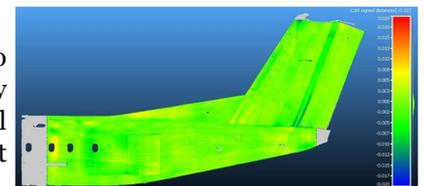
With Laser Scanning, we were able to provide an exact 3D scan of an industrial site, which enabled additions to be prefabricated, minimising scaffolding & craneage requirements, as well as avoiding time delays to complete manual measurements.



Scan after additions added

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 The information contained herein is of a general nature only. If you wish to know more details, or if you want to discuss topics not covered by this newsletter, please contact our office. This newsletter is confidential to clients & staff of this firm. While every effort has been made to ensure accuracy, no liability is accepted for errors of fact or of opinion herein.

We recently carried out aircraft scanning in order to produce a CAD model of the fuselage. The quality of the CAD model can be checked by a digital comparison between the CAD model & the point cloud.



Contact Steve Odinot on (03) 545 6880 to discuss the application of these new tools.



Pop in & visit us at:

Nelson

81 Selwyn Place, Nelson

Christchurch

12 Bealey Ave, Christchurch



Alternatively

you can contact us at:

M: P.O. Box 913, Nelson 7040

P: 0800 807 818

E: enquiries@staigsmith.co.nz

W: <http://www.staigsmith.co.nz>

OFFICE SPACE FOR RENT



Close to cafes & boutiques in Morrison Square, this 80m² ground floor office (3 offices & open plan reception/waiting area) are ready to occupy immediately. Shared amenities & lunchroom with Staig & Smith.

For Lease \$17,000 + GST.

Contact:

Geoff Faulkner - 0272 136 266



!!Celebrations!!

This year some of our staff reach amazing milestones with Staig & Smith.



We are so lucky to have this level of experience & loyalty amongst our staff.

- Lawrie Saunders has been with S&S for 35 years & got married in April.
- Alex Martin has also been with the company for 10 years, & is our youngest Director.



- In May, Jackie McNae became an Accredited RMA Decision-Maker.

Council Updates

Thinking of Unit Titles?



Unit title tenures are required to comply with fire rating of buildings as described in Section 116A of the Building Act 2004. Councils are required to issue a Certificate of Compliance before the new titles can be issued, therefore if the Unit Title Subdivision is over existing buildings, any non-complying wall will have to be upgraded in respect to fire rating before the subdivision can be certified.

Another consideration for unit titling of existing buildings, is where the common wall boundaries should be located in terms of legal maintenance & insurance purposes.

Contact Alex Martin on 027 618 9105 to discuss Unit Title Subdivisions.



Hazardous Activities & Industries List Sites



All Councils have a requirement to investigate, identify & monitor land that has been associated with hazardous activities, such as orchard sprays/sheep dips & industries such as auto repairs & tanneries to assess the potential extent of contamination in the soils & the impact that it may have on human health. Most Regional Authorities now have a list of identified HAIL sites, although these are not exhaustive lists.

Whenever land use changes, be it through earthworks, a new dwelling or subdivision, an assessment must be carried out on whether the site may have contamination that may impact upon human health.

Contact Jane Bayley on 0800 807 818 to discuss whether an assessment will be required for your development.



NCC Woodburners

Currently, the Nelson Air Quality Plan prohibits small scale solid fuel appliances. As part of the local body election, a number of Councillors campaigned they would change the NAQP.

To amend a Plan is an involved process & can take considerable time as the Council must assess the benefits & costs for all the alternatives on the environment as well as on economic, social & cultural effects. It is not possible to just 'write in' an amendment following a Council meeting.

The Council is currently investigating the public request to amend the NAQP prohibition on solid fuel burners. If evidence proves that discharges from woodburners will be able to comply with the National Environment Standard for Air Quality, then Council may continue with a Plan Change, which will be notified for Public Submission.



Contact Jackie McNae on (03) 545 6881 if you wish to be kept informed on the woodburner Plan Change process.