

# Leica Geosystems **TruStory**

## Moving beyond data



**Latitude Surveying, established in 2003, is a multidisciplinary consultancy offering cadastral surveying, land development, construction support and topographic survey services. Investing in Leica Captivate solutions enabled Latitude Surveying to extend their capabilities to terrestrial photogrammetry and BIM. With New Zealand becoming increasingly complex and the need for better infrastructure growing daily, the need to capture, digitalise and visualise infrastructure projects quickly, easily and accurately is more important than ever before. That is why Trevor Davey, Licensed Cadastral Surveyor at Latitude Surveying, adopted the new Leica Captivate solution to meet these growing needs.**

Leica Captivate is the industry-revolutionising software for a variety of measurement instruments, including MultiStations and total stations, creating the most realistic

3D experience with familiar apps and easy-to-use touch technology. The future of surveying is Leica Captivate; it is the survey industry's only touch-technology software with the world's first self-learning total station, bringing live-stream intelligent cloud-based imagery into the field.

"After purchasing a Leica Viva TS16 total station, a Leica CS20 Controller and a Leica Viva GS14 GNSS antenna, our projects run faster and are much more efficient. The measurement instruments using Leica Captivate give us a platform to complete any survey task and ensure we are recession-proof by allowing us to provide BIM services in the future," says Trevor.

For Latitude Surveying adopting Leica Captivate software technologies has meant it can provide clients with fast and accurate data realisation for a diverse array of projects. It also means they can avoid costly returns to the site, and save clients time and effort. Latitude can now make better decisions on-site by comparing virtual design data with real work conditions



### ■ **Company**

Latitude Surveying delivers high standard services in all aspects of land surveying  
<http://www.lats.co.nz/>

### ■ **Challenge**

Using Leica Captivate solutions to extend capabilities of terrestrial photogrammetry and BIM

### ■ **Location**

Tauranga, New Zealand



### ■ **Equipment Software**

-Leica Captivate

### **Hardware**

-Leica Viva TS16  
-Leica Viva GS14  
-Leica CS20



■ **Benefits:**

- Increasing efficiency by assuring the quality of 3D data directly in the field
- Better decision-making on-site by comparing virtual and real data
- Providing clients with fast and accurate data
- Saving time and money by avoiding returns to site

and increase efficiency by assuring the quality of work in 3D directly in the field.

“We can now visually check on-site the completeness of our job, ensuring that we have captured all the data we need and avoid costly returns to the site, saving our clients significant costs,” said Trevor.

“As a smaller company, it has definitely been worth our investment in this new Leica Geosystems solution. The Captivate software used with the measuring instruments allows us to step outside of

traditional cadastral surveying and offer our clients additional services. The Leica TS16 is extraordinarily intuitive and quick, has a colour touchscreen, and is very easy for one surveyor to use in-the-field.”

Global Survey, the local Leica Geosystems representative and supporting the Latitude Surveying firm, provides Trevor and his team with professional after-sales support. “The high quality of our Leica instruments ensures the very best results for our clients,” concluded Trevor.