



From topographical surveying to as built surveying

- Please introduce your company.

NZ Survey Consultant Sdn Bhd is a qualified licensed land surveying company in Malaysia; it is incorporated in year 2002. The company provides numerous survey related consultancy services which mainly involved in land surveying such as building construction survey and laser scanning for BIM to scan old existing buildings. We also have been using Topcon equipment such as total station, GNSS and the latest technology which is the Terrestrial laser scanner GLS-2000 (S).

- Why did you choose the GLS?

The GLS are used for Topography Surveying, Utility and Laser Scanning Work for The Preparation of Building Plan for The Shah Alam Great Mosque (Sultan Salahuddin Abdul Aziz Shah Mosque). The GLS offers a quick, simple, and effective way to capture 3D point cloud data at a high speed without sacrificing the accuracy desired by today's demanding professionals. It has has a one-touch operation for the non-specialist, and an advance function that satisfies the survey professional that is used to the occupation and backsight operation.

- How do you use the GLS?

For this project, GLS was used to create as-built plan and building plan for large mosque in Malaysia using the traverse method.

- How did you improve your work productivity?

GLS can provide a high speed and accuracy scan. It is very easy to use and capturing high quality point cloud data. We also like the accurate and easy point registration method. Thanks to the scanner's intuitive design, we were able to complete the site work within 45 days. The less time for compared to conventional method is 90days. This shows that laser scanner method led to the most productivity compared to conventional method.

- Cost-effectiveness

The Topcon products are cost-effective and meet our needs.

Company:
NZ Survey Consultant Sdn Bhd

Objective:
To produced as-built plan and building plan

Location:
MASJID SULTAN SALAHUDDIN ABDUL AZIZ SHAH / SULTAN SALAHUDDIN ABDUL AZIZ SHAH MOSQUE

Project:
KERJA UKUR TOPOGRAFI, UTILITY DAN LASER SCANNING BAGI PENYEDIAAN PELAN BANGUNAN MASJID BESAR SHAH ALAM (MASJID SULTAN SALAHUDDIN ABDUL AZIZ SHAH) / TOPOGRAPHY SURVEYING, UTILITY AND LASER SCANNING WORK FOR THE PREPARATION OF BUILDING PLAN FOR THE SHAH ALAM GREAT MOSQUE (SULTAN SALAHUDDIN ABDUL AZIZ SHAH MOSQUE)

Instrument:
GLS-2000 (S) 3D Laser Scanner

Subsidiary/Dealer:
Topcon Positioning Asia (Malaysia) Sdn Bhd



Md. Rahman
Surveyor



Abdul Yazid
Surveyor