Training Course

Faro S series&Scene-Open Class (Three days)

Tecterra Training Centre

Trainer: Mohamed Hassanein

Course Description:

This course is designed to demonstrate how to get the most out of Faro 3D laser scanner, data processing and creating different deliverables. The course presents the fundamentals of scanning, data collection techniques, planning a project and process the scanning data in addition to sample of different deliverables which could be created from the scan data. This enables users to efficiently scan and process the site big or small to achieve the expected accuracy, and prepare the collected data for further processing and modelling down the stream efficient and smoother workflow.

Students will learn how to:

- Evaluate and plan a scanning project
- Configure the scan for optimal scan parameters
- Utilize different techniques of registration
- Data transfer to PC and preparation for process
- Registration of the scanned data in an integrated point cloud
- Different techniques for Data verification of authenticity (QA/QC)
- Colorization and improvement of colour mapping to point cloud
- Different application-based workflows.

Total hours:

24 hours

Prerequisites:

This course is indispensable to anyone seeking to leverage the strengths of 3D laser Scanning technology into a cohesive surveying systems. Whether you are learning to use your Faro Focus 3D and scene system for the first time, or learning to use what you have more efficiently, you will find this class well worth your time.

Additional Information:

For more details about our training courses, please contact us by:
Website: www.cansel.ca/en/training
E-mail: info@cansel.ca
Toll-Free: 1-888-222-6735

Training agenda:

This training includes two short breaks (15 minutes each) and a lunch break (1 hour)

Topic	Subject
Introduction	• Welcome/Introduction • Overview of the training schedule
Fundamentals	• Scanner spec review • Technology Basics
Set up the Scanner	• User Interface • Setting up the parameters
Field data collection	• Planning a scanning project • Target based and Target less approaches • Operational aspects of scanning • Field notes • Hands-on projects
Field data processing I	• Import scans and other data • Clustering • Different view options • Simple Data Manipulation • Filtering Data & Clean up • Target recognition
Field data processing II	• Registration (Cloud to Cloud) • Registration (Target based) • Accuracy Review & Visual QA/QC routines • Colourization • Export Options
Different application-based workflows	• Scene Apps Workflow • Autodesk Recap Workflow • Faro AsBuilt Workflow • Faro VirtuSurv Workflow
Review and questions	

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