Affordable. Reliable. CAD.

MicroSurvey CAD

Introduction

The land surveying industry is always looking for ways to improve productivity and efficiency. Being able to save time and effort in processing field data back in the office will make a big difference to the bottom line. This course aims to do just that by providing a "Field to Finish" workflow, allowing plan production directly from the data collected in the field without the need to export data to another CAD package for finishing and plotting. With MicroSurvey CAD's in-built COGO and calculations tools, almost all surveying related computations could be done as well, thus providing a complete and essential tool for the professional land surveyor.

Course Details

- Introduction to MicroSurvey CAD (MSCAD)
- Software Installation and Licensing Options
- Configurations and Setting of Template for first-time usage
- General MSCAD Navigation and Usage
  - ✓ Project Manager
  - ✓ File Structure & Extensions
  - ✓ IPN/IPD/IPE
- Smart Points in MSCAD
  - ✓ Using the Single Point Editor to manually enter points
  - ✓ Importing / Exporting from ASCII file
  - ✓ Listing Points (Active Coordinate Editor)
  - ✓ Auto Add Points to Objects
  - ✓ Labelling of Points & Lines
  - ✓ Creation of Coordinates and Lines Table
- CAD Edit Lines / Curves Routine
- COGO and Areas Functions in MSCAD
- 2D Helmert's Transformation
- Importing/entering Raw Data from total stations into MSCAD
  - ✓ Misclose computation and adjustment of traverses
- Introduction to AutoMap
  - ✓ Creation of features in AutoMap
  - ✓ Automatic line joining in AutoMap
- Surface Modelling and Volume Computation in MSCAD
  - ✓ Creation of a Digital Terrain Model using CAD entities and data
  - ✓ Applying break lines and boundaries to the surfaces
  - ✓ Volume calculations
  - ✓ Creating contours and cross sections

Notes to Trainees

Trainees are encouraged to bring their own laptops as there are limited computers for the training. Trial licenses of the software will be provided if own laptops are available. No prior experiences necessary, however, some surveying and CAD drafting knowledge are helpful

Target Audience

This course is suitable for anyone whose is keen on getting a deeper understanding of the many advanced tools available in the latest version of the MicroSurvey CAD.

Course Fee

S$ 400.00 (Before GST)

Enquiry

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Training Venue

No 35 Jalan Pemimpin #05-02,
Wedge Mount Industrial Building,
Singapore 577176.

- The nearest MRT Station would be Marymount Station (Exit B)

GPS Lands (Singapore) Pte Ltd
35 Jalan Pemimpin #05-02 Wedge Mount Industrial Building Singapore 577176
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Email: enquiry@gpslands.com

APPLICATION FORM

Please Select:		**CREATING DELIVERABLES WITH MICROSURVEY CAD**

A) PERSONAL PARTICULARS		
Name (as in NRIC/Work Pass):		
NRIC/FIN No.:	Date of Birth:	Sex: Male / Female
Nationality:	Mobile No.:	
Email:		
Address (as in NRIC):		

B) EMPLOYMENT PARTICULARS	
Company's Name:	
Company's Address:	
Tel No.:	Fax No.:
Email:	
Position:	

C) REGISTRATION / PAYMENT		
Course Fee	**Course Fee – S$400 (After GST, S$428.00)**	**Applicant's Signature** Date:
SPONSORED BY COMPANY:**	**YES / NO**	**Employer's Signature**
NOTES: • Full payment must be made before commencement of course. • Cheque should be made payable to "**GPS Lands (Singapore) Pte Ltd**"		Name: Date: Company Stamp:

FOR OFFICIAL USE ONLY

Commencing Date:	Course Batch #:
Cheque No.:	Amount:

**NOTE: GPS Lands reserve the rights to cancel or postpone the Course.