



# From Pointcloud to Models – A Sketchup and Undet Solution

## Introduction

In recent years, Building Information Modeling (BIM) is getting more attention, and thus, creating models for BIM applications is getting more popular as well. On top of that, a very quick and effective way of capturing reality is via laser scanning, thus creating as-built models from laser scan data (pointcloud) is the most efficient method. This course aims to provide trainees with an overview and general knowledge regarding creating models from pointcloud using a solution provided by Trimble Sketchup and the Undet plugin.

## Course Details

### *Introduction to Sketchup*

- ✓ User interface and Navigation
- ✓ Shading

### *Manipulating Objects*

- ✓ Selecting Objects
- ✓ Moving, rotation and scaling objects
- ✓ Showing faces and edges
- ✓ Advanced Selection

### *Drawing in Sketchup*

- ✓ Lines 2D / 3D
- ✓ Rectangles
- ✓ Circles / Polygons
- ✓ Arcs
- ✓ Eraser
- ✓ Push/pull function
- ✓ Offsets
- ✓ Follow Me tool

### *Measuring and Labelling*

- ✓ Tape Measure tool
- ✓ Protractor
- ✓ Labels and dimensions

### *Undet for Sketchup Introduction*

- ✓ Using the Undet Indexer
- ✓ Attaching Pointcloud to Sketchup
- ✓ Pointcloud Manipulation using Undet in Sketchup
- ✓ Shading Pointcloud
- ✓ Feature extraction

## Target Audience

This course suitable for all personnel whose requires process point cloud data in their trade or occupation

## 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)

## APPLICATION FORM

<b>Please Select:</b>		<b>From Pointcloud to Models – A Sketchup and Undet Solution</b>
<b>A) PERSONAL PARTICULARS</b>		
Name (as in NRIC/Work Pass):		
NRIC/FIN No.:	Date of Birth:	Sex: Male / Female
Nationality:	Mobile No.:	
Email:		
Address (as in NRIC):		

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

<b>C) REGISTRATION / PAYMENT</b>		
Course Fee	Course Fee – S\$400 ( After GST, S\$428.00)	Applicant's Signature
		Date:
<b>SPONSORED BY COMPANY**:</b>	<b>YES / NO</b>	<b>Employer's Signature</b>
<b>NOTES:</b> <ul style="list-style-type: none"> <li>Full payment must be made before commencement of course.</li> <li>Cheque should be made payable to "GPS Lands (Singapore) Pte Ltd"</li> </ul>		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.