

# AutoCAD Point Cloud Essentials

## Course Overview

### Digitising from Point Cloud Data in AutoCAD

**Duration 7 hours**



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Title	Description
<b>Point Cloud Basics</b>	
Understanding point cloud and point cloud format for AutoCAD	<ul style="list-style-type: none"><li>▪ Exploring Point cloud data formats that can be used in AutoCAD</li></ul>
Point cloud density and its effect on digitising in AutoCAD	<ul style="list-style-type: none"><li>▪ Considerations for digitising from point cloud data</li><li>▪ Exploring Standard editing operation for point clouds in AutoCAD</li></ul>
<b>Checking and validation</b>	
Point cloud checking and digitising	<ul style="list-style-type: none"><li>▪ Step by step how to check and validate point cloud data in AutoCAD and other software such as Recap before digitising</li></ul>
Point cloud manipulation	<ul style="list-style-type: none"><li>▪ Explore the AutoCAD tools for working with point cloud and manipulating point cloud for ease of digitising</li></ul>
<b>Digitising from Point Cloud</b>	
Techniques of extracting/digitising geometry from point cloud data	<ul style="list-style-type: none"><li>▪ Step by step how to produce floor plans, elevation and topo, 2D drawing from point cloud data.</li></ul>
Geometry extraction management	<ul style="list-style-type: none"><li>▪ Explore the AutoCAD tools techniques to produce clean drawing for final deliverables</li></ul>
<b>Drawing Quality Checking and Delivery</b>	
Quality Checking techniques	<ul style="list-style-type: none"><li>▪ How to check to ensure that extracted 2D drawings are accurate and meet required standards</li></ul>
Annotation	<ul style="list-style-type: none"><li>▪ Exploring manual and automated annotation techniques in AutoCAD</li></ul>