

# Autodesk Vehicle Tracking

## Course Description

***Autodesk Vehicle Tracking*** software is a comprehensive transportation analysis and design solution for vehicle swept path analysis. The software enables you to predictably evaluate vehicle movements on transportation or site design projects. In addition, Autodesk Vehicle Tracking includes dynamic parking layout tools to rapidly create and revise parking plans. This course will empower you to undertake complex vehicle movement analysis and generate parking plans, at short notice and with confidence.

<b>Course Duration:</b>	1 Day
<b>Delivery:</b>	Instructor led - maximum 6 participants
<b>Course Times:</b>	9:00 am - 5:00 pm
<b>Software Used:</b>	AutoCAD, Autodesk Vehicle Tracking
<b>Registration:</b>	<a href="#"><u>Register your interest here!</u></a>



## Instructor—Derek Wilson

Derek Wilson is a Civil Engineer who has industry experience in engineering consulting and contracting and has marketed and supported engineering software for the past 25 years. Derek has presented many successful courses on the use of technical software, where he focuses on getting users to understand what they are doing and why, rather than simply learning a set of commands by rote. He has a uniquely in-depth knowledge of Autodesk Vehicle Tracking.

During a stint in the UK, he worked for Savoy Computing where he was responsible for the early development of what became AutoTrack, the predecessor of Autodesk Vehicle Tracking, in the late 1980s. The algorithms developed under Derek's guidance have stood the test of time so well that they remain unchanged to this day, and have provided the solid platform upon which the latest Autodesk Vehicle Tracking software is based.

Derek has marketed and supported AutoTrack in Australia and New Zealand for over 20 years. During that time he created almost all of the Australian content in the software as well as various libraries of useful Australian design vehicles.

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## Prerequisites

Prior to attending this course you should have:

- Experience working with CAD drawings (.dwg files) in AutoCAD or an equivalent CAD package.

Upon completion you will be issued with a **Civil Survey Solutions Certificate of Training**.

## Course Objectives & Content

We want you to leave with maximum confidence that your Vehicle Tracking simulations and designs are accurate, reliable and relevant to the design/assessment task at hand. Not only will we teach you about the various facilities within Autodesk Vehicle Tracking, but we will focus on helping you understand the practical and theoretical implications of the choices you make.

- **The Autodesk Vehicle Tracking overview**
  - Overview of Product modules
  - The Autodesk Vehicle Tracking Interface
- **Swept Path Analysis**
  - Creating swept paths / turning templates
  - Understanding the tools available and different "Drive" modes
  - Use of Dynamic Editing to adjust paths
  - The relationship between AutoTrack and Design Standards
  - Understanding the effects of Settings & Properties
  - Customising the presentation of your results
  - Global editing of path presentation
  - Creation of simple custom vehicles
  - Creating animations
- **Vertical clearance checking**
  - 2D vertical clearance checking
  - Vertical clearance vehicles
- **Parking Area Design**
  - Creating and placing rows of bays
  - Editing individual bays and rows of bays
  - Application of AS/NZS 2890.1-2004 Off-street car parking
  - Application of AS/NZS 2890.6-2009 Off-street parking for people with disabilities
- **Junctions**
  - Basic processes for creating and editing a roundabout