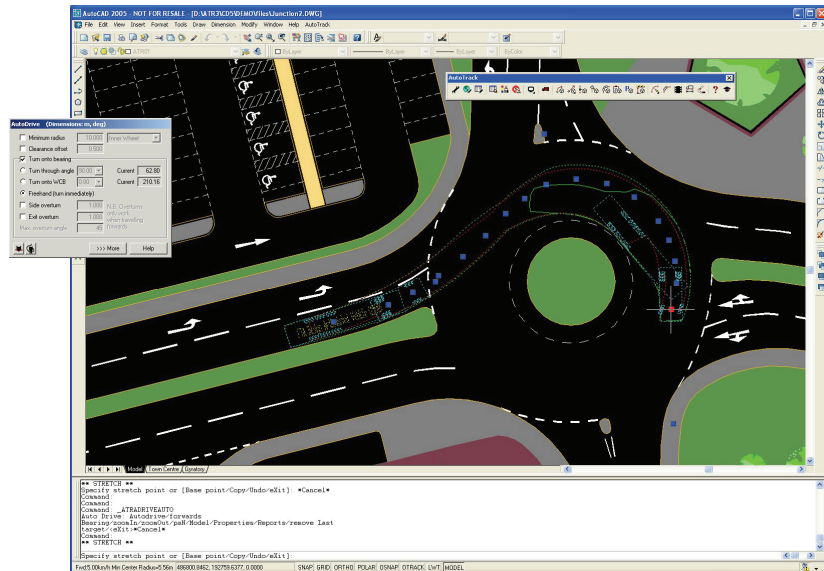


# AutoTrack<sup>2</sup>

64-bit version  
 for Highway Design

AutoTrack has been the leading vehicle swept path analysis program since the late 80's running first on 16-bit Windows 3.1 and then on 32-bit Windows 95 right up to Windows XP. Now, with Windows Vista, we've taken another giant step to 64-bit processing. What's more, close collaboration with Autodesk means that AutoTrack 8 is also fully natively compatible with both the 32 and 64-bit versions of AutoCAD 2009.



## Features

- Multiple camera angles in 3D animations New in v8.0**  
 3D Animations provide so much greater insight into a manoeuvre than a static 2D image. The beauty of our system is that it works 'out of the box'; everything is automatic from the creation of the 3D vehicle shape to the viewpoint which, by the way, can be a drivers eye view. Now you can even save camera positions and switch between them during playback. (Note: 3D animation only available in AutoCAD versions).
- Acceleration and deceleration in animation New in v8.0**  
 Now your animations can be even more realistic with acceleration and deceleration at the start and end of your paths and at all changes of speed.
- Wing mirrors New in v8.0**  
 Add wing mirrors when needed with a single check box. It's now really quick and easy to see if, and how, they affect the space required.
- Partial self steering and direction New in v8.0**  
 Self-steered axles can now be specified in one direction only and the new self-steering friction factor let's you model partial self-steering.
- Full width tyre tracks New in v8.0**  
 Check the path of the inner wheels by enabling full width tyre tracks.
- Predictive Turning** (not available in Lite version)  
 Until now deciding where to place target points in AutoDrive has required a certain amount of guesswork; now, Predictive Turning gives you a glimpse into the future so you can see where the vehicle will be able to get on the next step before you've even confirmed the current one. It's been nicknamed 'the cat's whiskers' and so it is!
- Library Explorer data sorting**  
 Find a suitable vehicle quickly with sortable data columns in the Library Explorer. And you can decide which data is relevant to you and display only those columns. It's even possible to compare vehicles in different libraries.



*"The best just got better"*  
 Meb Merali  
 BP

# AutoTrack

for Highway Design



"Awesome"  
Roger Weld  
New York State DoT

- **AutoDrive Side & Exit overturns** (not available in Lite version)

AutoDrive allows you to turn through a smooth user definable arc, through a given angle or onto a specified bearing. Now you can add editable overturns with side and/or exit offsets. Unlike other systems, these overturns can be dynamically edited to fine tune them without redoing the manoeuvre.

- **Vertical Clearance mode** (not available in Lite version)

The unique vertical clearance mode takes AutoTrack way ahead of even its closest rivals. Now you can check ground clearance and headroom with just a few mouse clicks. Select the vehicle and set the ground clearance and overall height, then select a polyline representing the road profile, and AutoTrack does the rest. AutoTrack stops the analysis if vertical articulation angles are exceeded.

- **Advanced vehicle modelling capabilities**

AutoTrack allows individual axle geometry no matter how many axles and any axle can be self-steered or retracted. It can also model Pendel axles and Independent (or Tandem) bogies as used on many heavy load movers. It is the **only** program to support steering linkages that vary with speed **and** articulation angle.

- **Dynamic editing**

Dynamic editing is an incredibly powerful feature that is unique to AutoTrack. It allows changes to be made to the path alignments as the project develops, using the original settings and vehicle capabilities, without having to regenerate the entire path. And because the path is recalculated dynamically it avoids the potential distortions introduced by scaling or stretching.

- **Template Wizard**

The Template Wizard generates templates of any vehicle turning any angle at any radius. And now you can even specify the transition criteria and add side and/or exit overturns. Templates may be inserted in the drawing, printed or saved to disk for use later.

- **Support for AutoCAD 2009 and MicroStation XM**

AutoTrack is supplied with versions for all versions of AutoCAD from AutoCAD 14 to the 64-bit AutoCAD 2009 (including vertical derivatives) and all versions of MicroStation from 95 to XM. If you don't have either system then there's a stand-alone version too!

- **National design vehicles standards included**

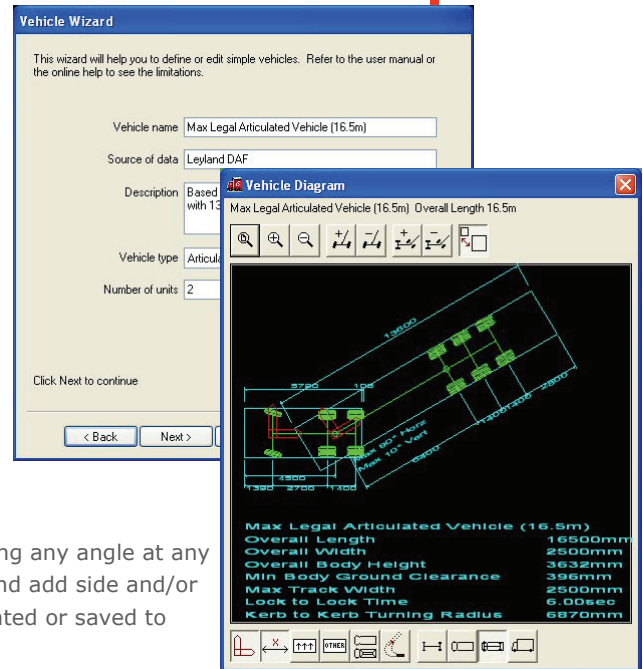
AutoTrack includes national design vehicle standards for UK, US, Canada, Australia, New Zealand, Sweden, Netherlands, Norway, South Africa, Germany, Austria & Switzerland.

- **Vehicle Wizard**

The vehicle wizard is just one of two editors built in to AutoTrack. It takes you through the process of vehicle definition or editing in a logical sequence.

- **Easy to use**

Features such as the Introduction screen and the run-time tutor guide you through the program and help you to be productive as quickly as possible. The skill level controls how many prompts you see and can be set according to level of expertise, automatically adjusting as you improve. And the multimedia tutorial shows you rather than tells you how to do things.



## Benefits

- **Able to model almost any steered vehicle**
- **Very fast to generate swept paths allowing "what-if" type analyses**
- **Movie file output for presentation to non-AutoTrack users (now in 3D too!)**
- **Recognised by virtually every local and regional authority in the UK**
- **AutoTrack data is portable between AutoCAD, MicroStation or stand-alone versions**
- **Single user and network user licences available**

**autodesk**  
authorised developer



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