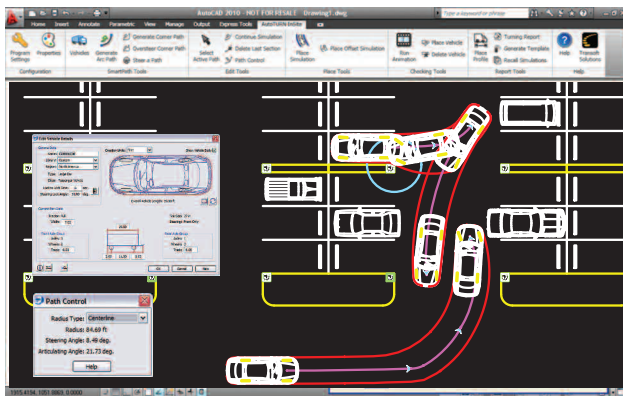


VEHICLE SIMULATION SOFTWARE



AutoTURN Lite is an easy-to-use CAD-based vehicle turn and swept-path simulation software. It is used by architects, transportation engineers, civil engineers and designers to help assess vehicle maneuvers of roadway, highway, and site design projects such as intersections, roundabouts, loading bays and parking facilities. AutoTURN Lite is an economic solution that gathers essential tools for swept-path analysis and allows user to profit from the renown reliability of AutoTURN.

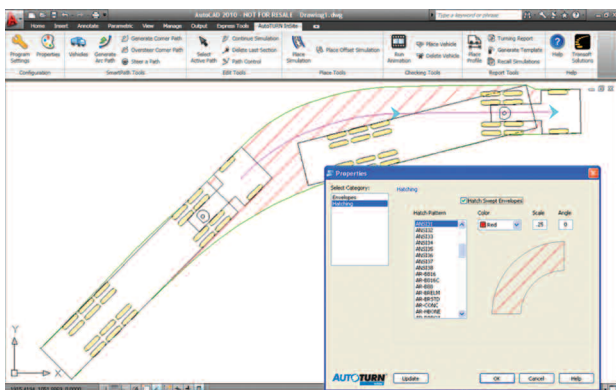


» ESSENTIAL SIMULATION TOOLS

Use **Generate Arc Path** tool to perform vehicle maneuvers and swept-path. Turn simulations can be created by simply dragging your mouse from point to point. The Place simulation command lets you add a simulation to a path thanks to pre-drawn lines such as splines, lines, polylines, arcs and complex chains.

» COMMUNICATE VISUALLY

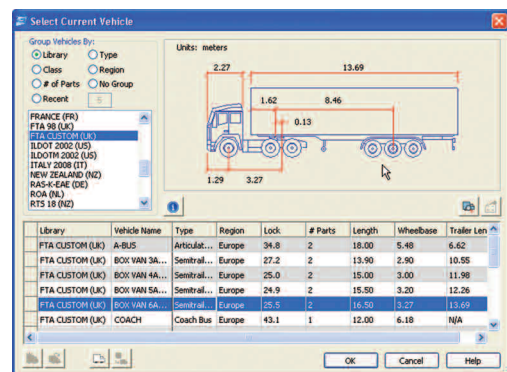
Customize your simulation by selecting **hatching and vehicle draw options** to let your colleagues or clients focus on one particular aspect (tires, vehicle body envelope or horizontal clearances) during presentations or while sharing files. For an even more realistic effect, use the **Run Simulation** tool to visualize your vehicle traverses along a path.



» Generate hatched areas defined by the vehicle body envelopes or vehicle body clearance envelopes for improved visual analysis and presentations.

» ADD VEHICLE LIBRARIES

AutoTURN Lite includes a **library of 4 realistic vehicles** (city bus, delivery van, semi trailer and small car) downloadable from Transoft Solutions' website. The software offers the possibility to expand the library according to your needs by purchasing our national standard vehicle libraries and other extended vehicle libraries. A dialog box allows you to sort vehicles by type, class, region, number of parts, most recently used or vehicle characteristics.



» Scalable vehicle library database which allows users to add all Standard vehicle libraries and Extended vehicle libraries available for purchase.

DESIGNS AHEAD OF THE CURVE



» TURN SIMULATIONS AND SWEEP PATH ANALYSIS

- Generate Arc Path for forward and reverse maneuvers in one continuous motion
- Place vehicle simulations on arcs, polylines, splines and place simulations of different vehicles along the same exact path
- Ability to generate straight path sections while simulating an arc path
- Define and hatch either the vehicle body or the vehicle's outer swept path envelope during a turn simulation
- Perform reverse maneuvers for single part vehicles (reversing two or more part vehicles not supported)

» PRESENTATION CAPABILITIES

- Use realistic vehicles plan profiles for simulations and animations
- Insert dimensioned profile view of a vehicle that shows all vehicles specifications including dimensions and characteristics
- Animations can be looped continuously for demonstrations

» DESIGN ABILITIES

- Draw simulations on current layer
- Place, remove, or recall vehicles, active simulations, and active pathways
- Real-time display for vehicle turn radius at the current speed during design
- Generate vehicle swept-path envelopes from vehicle shapes with chamfered corners (available with purchased vehicle libraries)
- Select from vehicles created with up to 2 external parts

» SPECIAL TRANSPORTATION SYSTEMS

- Ability to numerically input or use the mouse wheel to dynamically control the independent rear steering angle for specialized vehicle configurations
- Simulate 2-part vehicles with telescoping trailers as seen on some logging trucks
- Use specialized 2-part vehicle like the Wind Blade Trailer

» VEHICLE LIBRARIES

- Include a library of 4 vehicles (city bus, delivery van, semi trailer and small car)
- National standard vehicle libraries are available for purchase: US (AASHTO, Caltrans), Canada (TAC), Australia (Austroads), UK, France, Germany, Italy, Netherlands, Austria, Norway, Sweden, Switzerland, Czech, Denmark, South Africa, and New Zealand
- Other vehicle libraries are available for purchase: **AutoTURN Extended Vehicle Libraries** add-on content

» COMPREHENSIVE USER INTERFACE

- View and sort library to show by region, type, number of parts, class, and vehicle characteristics
- Real-time turning radius display options
- Easy to navigate graphic-driven user interface, dialogue boxes, and menus
- Modern, descriptive toolbar with sequential placement of tools on procedural logic (Ribbon Bar for AutoCAD 2010)

» COMPATIBILITY AND LICENSING OPTIONS

- Autodesk® AutoCAD® 2004 – 2016 series of products (except AutoCAD LT)
- Full support for 64-bit operating systems
- Workstation: Windows® XP, Vista, Windows® 7, Windows® 8

AutoTURN Lite is available as a standalone license in the following languages: English, French, German, Italian.

Fully upgradable to AutoTURN.

For more information on AutoTURN
visit our website at
www.transoftsolutions.com

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