

Legacy Version Comparison

➤ **AeroTURN Pro** has been continually improved and extended based on feedback from industry.

Major Features	V2.0	V3.0	V4.0
AIRSIDE SWEEP PATH AND TURN SIMULATIONS			
Aircraft and Support vehicle ground maneuvers and swept path envelope	•	•	•
SmartPath tools with 3 interactive drive modes	•	•	•
Place simulation on or offset to CAD geometry	•	•	•
Aircraft pushback and towing simulations with tractor and towbar	•	•	•
Tracking points on or off aircraft	•	•	•
Aircraft pushback and towing simulations with towbarless tractor		•	•
Maximum Effort Turning / Steerable Main Gear (for supported aircraft)		•	•
2D conflict detections to obstacles within aircraft/vehicle envelopes			•
Automated update of placed simulations to changes in path geometry			•
AIRSIDE DESIGN			
Aircraft symbols (fueling, service points, safety clearance boxes)	•	•	•
Jet blast envelope creation (Level Conditions)	•	•	•
Insert templates of ground service arrangements	•	•	•
Display user-defined radius around aircraft fueling points	•	•	•
Place Stationary Aircraft	•	•	•
Engine Intake Danger Areas			•
Conditional Velocity Contours (Slope Conditions)			•
BRIDGE DOCKING CAPABILITIES			
Rotunda to aircraft or aircraft to rotunda docking simulations	•	•	•
SmartBridge slope calculations and 'HUD' onscreen view	•	•	•
Change passenger boarding bridge or aircraft models on-the-fly	•	•	•
Shift the Docking Point on the Aircraft (Typically Leading Edge of Door)		•	•
Define Min/Max Lift Column Heights with Each Docking Simulation		•	•
GATE DESIGN			
Create and save data on multiple gates	•	•	•
Drag multiple aircraft along a lead-in line to a single stop line	•	•	•
Generate overall envelope of operations for selected aircraft	•	•	•
Choose from a list of filtered aircraft able to dock to a defined gate	•	•	•
Design multiple bridge docking on a single aircraft		•	•
Choose from a list of filtered PBB able to dock to aircraft in a defined gate		•	•
Automatically draw and label stop bars for serviced aircraft		•	•
Automated update of docking simulations to lead-in or Gate Data			•
Define Fuel Pits - Report on Aircraft Positioning outside of Fueling Operation			•
Report on violation of minimum wingtip spacing between adjacent aircraft			•
LIBRARIES			
Passenger Boarding Bridges	~290	~320	~450
Aircraft including detailed plan view drawing	~200	~380	~450
Helicopters (Library update to be available shortly after product release)		~40	~40
Aircraft Symbol Drawings (Velocity Contours / Service Points)	878 / 146	878 / 146	1448 / 241
Ground Support Vehicles	~100	~150	~243
Towbar and Towbarless Pushback Tractors	~35	~70	~76
Aircraft and Tractor Combinations for Pushback Maneuvers	~1175	~2200	~4000



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REPORTING & PRESENTATION			
Turning Report - Export or Place Aircraft or vehicle Turn Reports in Drawing	•	•	•
Run Aircraft or Vehicle Animations / Generate InVision Data	•	•	•
Gate Reports – (Export Aircraft and Bridge Data as .CSV)	•	•	•
Docking Reports – Placed in Drawing or exported to MS Word		•	•
Gate Reports – (Export Gate Matrix, Apron, and Lead-In Data as .CSV)		•	•
Dynamic 2D Obstacle Conflict Reporting			•
Docking Reports – Report Fueling Operational Fueling Distance			•
Manage InVision Data			•
CUSTOMIZATION			
Create Custom Aircraft	•	•	•
Use Custom Aircraft Plan View and Supporting Aircraft Symbols	•	•	•
Create Custom Ground Support Vehicle	•	•	•
Use Realistic Vehicle Plan Views or Chamfered/Filletted Vehicle Shapes	•	•	•
Create Custom Vehicle Types (New Steering and Axle Configurations)			•
Create Specialized Vehicles with Linkage Steering Relationships			•
TECHNOLOGY\COMPATIBILITY			
Generate InVision Data to support Docking and Maneuvering Animations	•	•	•
Workstation Silent Install / Windows® Installer (MSI)	•	•	•
License server with user permissions and License Checkout (Min: 2-LAN)	•	•	•
MicroStation® V8i		•	•
Workstation: Windows® Vista or Windows 7 (32-Bit or 64-Bit)		•	•
AutoCAD® 2013 (32-bit or 64-Bit)			•
Automatically check for and apply licensing updates			•

