

Different Versions For Different Needs

➔ **AeroTURN Pro** for performing airside vehicle simulations, designing of terminal gates, and docking of aircraft to gates via passenger boarding bridges.

➔ **AeroTURN** is available in a base version for fast and efficient evaluation of aircraft ground maneuvers.

Major Features	AeroTURN Base	AeroTURN Pro
AIRSIDE SWEEP PATH AND TURN SIMULATIONS		
Aircraft ground maneuvers and swept path envelope	•	•
SmartPath tools with 3 interactive drive modes	•	•
Generate arc/corner; reverse arc/corner; oversteer corner simulations	•	•
Aircraft pushback and towing simulations with tractor and towbar	•	•
Tracking points on or off aircraft	•	•
Place simulation on or offset to CAD geometry	•	•
Maximum effort turning and steerable main gear (for supported aircraft)	•	•
Support vehicle ground maneuvers and swept path envelope		•
AIRSIDE DESIGN		
Jet blast envelope creation	•	•
Insert templates of ground service arrangements	•	•
Aircraft symbols (fueling, service points, safety clearance boxes)	•	•
Display user-defined radius around aircraft fueling points	•	•
ICAO Codes and FAA Grouping	•	•
BRIDGE DOCKING CAPABILITIES		
Rotunda to aircraft or aircraft to rotunda docking simulations		•
SmartBridge slope calculations and 'HUD' onscreen view		•
Dock the same passenger boarding bridge to selected aircraft doors		•
Change passenger boarding bridge or aircraft models on-the-fly		•
GATE DESIGN		
Create and save data on multiple gates		•
Design multiple bridge docking on a single aircraft		•
Automatically draw and label stop bars with serviced aircraft		•
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		•
Choose from a list of filtered PBB able to dock to aircraft in a defined gate		•
LIBRARIES		
Aircraft (customizable)	•	•
Towbar and towbarless pushback tractors (customizable)	•	•
Passenger boarding bridges (customizable)		•
Ground support vehicles (customizable)		•
REPORTING		
Generate InVision data to support docking and maneuvering animations	•	•
Run airside animations	•	•
Aircraft turn simulation report	•	•
Docking reports		•
Gate reports (gate matrix, aircraft, bridge, apron, and lead-in tables)		•
Generate static turning templates		•

• Generic tractor provided in AeroTURN Base



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