AVIPLAN™

EMPOWERING AVIATION PLANNERS
Airside planning, design and operations software

Version Comparison
Not sure which AviPLAN™ version is right for you? Consult the feature comparison below!

Major Features	AviPLAN Turn	AviPLAN Turn Pro	AviPLAN Airside	AviPLAN Airside Pro
LIBRARIES				
2D commercial, cargo and military airplanes and helicopters - top view	●	●	●	●
2D commercial, cargo and military airplanes - front and side views		●		●
3D commercial, cargo and military airplanes		●		●
2D pushback tractors and ground service equipment - top view	●	●	●	●
3D pushback tractors and ground service equipment		●		●
2D critical design airplanes for each FAA, EASA and ICAO group - top view		●		●
2D passenger boarding bridges - top view			●	●
3D passenger boarding bridges				●
Create 2D custom vehicles	●	●	●	●
Create 2D custom passenger boarding bridges			●	●
Create and store groups of airplanes, e.g. airline fleet mix		●		●
PATH CONSTRUCTION				
Simulate 2D aircraft and vehicle maneuvers on a Z=0 plane	●	●	●	●
Simulate 2D and 3D aircraft and vehicle maneuvers on a terrain or Z≠0 plane		●		●
Perform pushback or pull maneuvers with airplanes and compatible tractors	●	●	●	●
Follow nose-gear or cockpit ground markings (CAD line and arc elements)	●	●	●	●
Maneuver manually or specify direction (value or inherited from CAD element)	●	●	●	●
Alternate between arc, direct and oversteer turn types	●	●	●	●
Vary speed and (nose-gear) steering angle, even when reversing	●	●	●	●
Select from multiple construction points, e.g. airplane nose-gear or cockpit	●	●	●	●
Review heads-up display of projected path and airplane or vehicle position	●	●	●	●
Edit/modify path parameters, e.g. turn types and speed	●	●	●	●
View real-time path information, e.g. distance, duration	●	●	●	●
Design nose-gear or cockpit centerline markings		●		●
Set path start/end by clicking objects in existing simulations		●		●
Change steering angle dynamically to optimize maneuvers		●		●
PATH DISPLAY ELEMENTS				
Paths e.g. nose-gear and main-gear, engines, wing tips, pilot's eye	●	●	●	●
3D paths e.g. wing tips, engine undersides, tail tip (minimum/maximum heights)		●		●
Jet blast velocity contours and impact areas for various engine thrust levels	●	●	●	●
ICAO/FAA/EASA/User-defined nose-gear, main-gear or wing tip clearances	●	●	●	●
Service connections and vehicle arrangements	●	●	●	●
Clearance box and engine-intake danger area	●	●	●	●
Vehicle body and wheel envelope	●	●	●	●
Static airplane/vehicle at set point(s) along path	●	●	●	●
Nose-gear or cockpit centerline marking		●		●
Path sections (split into multiple sections) showing e.g. jet blast transition		●		●
STAND DESIGN (CONTACT AND REMOTE) AND PARKING				
Park static 2D aircraft and vehicles on a Z=0 plane	●	●	●	●
Park static 2D and 3D aircraft and vehicle maneuvers on a terrain or Z≠0 plane		●		●
Design 2D contact or remote stands on a Z=0 plane			●	●
Design 2D and 3D contact or remote stands on a terrain or Z≠0 plane				●

TRANSOFT SOLUTIONS

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Major Features

	AviPLAN Turn	AviPLAN Turn Pro	AviPLAN Airside	AviPLAN Airside Pro
Specify bridge characteristics, e.g. envelope limits, cabin rotation and stairs			●	●
Specify settings for docking parameters, e.g. maximum slope			●	●
Specify a margin of error to allow for airplane misparking			●	●
Define (manually) and/or reposition stop lines, using range indicator assistant			●	●
Drag airplane(s) along lead-in line and monitor bridge slope and other results			●	●
Review heads-up display when (re)positioning bridges, lead-in or stop lines			●	●
View detailed real-time numerical results, including warning indications			●	●
Add multiple bridges and lead-in lines (MARS)				●
Define apron service installations, e.g. fuel pits, 400 Hz and conditioned air				●
Automate stop line creation process (considers all specified parameters)				●
Automate airplane positioning (considers all specified parameters)				●
Automate stop line usage (minimize number of stop lines used)				●
Automate bridge slope or length minimization				●
Clearance violation alert on a stand, e.g. between airplane(s) and/or bridge(s)				●

DISPLAY ELEMENTS FOR STAND DESIGN AND PARKING

	AviPLAN Turn	AviPLAN Turn Pro	AviPLAN Airside	AviPLAN Airside Pro
Service connections and vehicles, clearance box(es), engine-intake area(s)	●	●	●	●
Bridge envelope(s), parked and docked bridges, airplanes and vehicles			●	●
Lead-in line(s) with stop lines, (custom) labels and limits (front and rear)			●	●
Airplane cloud and merged clearance box (all airplanes on a lead-in line)			●	●
Fuel pit(s) and other installations, with safety and/or operational radius				●

AIRSIDE DESIGN

	AviPLAN Turn	AviPLAN Turn Pro	AviPLAN Airside	AviPLAN Airside Pro
FAA, EASA or ICAO airplane classification and minimum clearance regulations	●	●	●	●
Airplane filtering and sorting options, compare and/or select critical airplane(s)	●	●	●	●
Fillet Design: Define taxiway intersection routes/entries		●		●
Fillet Design: Create fillet, shoulder, critical engine lines for critical airplanes		●		●
Clearance violation alert between stands, e.g. when (re)positioning a stand		●		●

REPORTING

	AviPLAN Turn	AviPLAN Turn Pro	AviPLAN Airside	AviPLAN Airside Pro
Create Microsoft Word® (.odt) and/or CAD text path reports	●	●	●	●
Create Microsoft Word® (.odt), Excel® (.csv) and/or CAD text stand reports			●	●

ANIMATION AND VISUALIZATION

	AviPLAN Turn	AviPLAN Turn Pro	AviPLAN Airside	AviPLAN Airside Pro
Animate 2D airplane, helicopter and vehicle movements in CAD drawing	●	●	●	●
Animate 3D airplane, helicopter and vehicle movements in CAD drawing		●		●
Create 2D and 3D presentations with multiple simulations		●		●
Sequence/Set start and stop times for each simulation session		●		●
Follow a moving object or pan between fixed camera positions		●		●
Display static objects and path elements before and after animation		●		●
Set properties for simulation sessions in presentation, e.g. fill color, line types		●		●
Select playback speed and display elapsed time in presentation		●		●
Set frames per second and video codec type to reduce AVI file size		●		●
Record presentations to AVI for playback using any compatible movie player		●		●

DATA MANAGEMENT

	AviPLAN Turn	AviPLAN Turn Pro	AviPLAN Airside	AviPLAN Airside Pro
Set colors, line type, layer/level and other properties for display elements	●	●	●	●
Create and store property templates, independent from drawing	●	●	●	●
Export/Share custom bridges and vehicles	●	●	●	●
Store simulations with unique names and manage using folders	●	●	●	●

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Duplicate simulations within a drawing and place on desired location	●	●	●	●
Import simulations from the user database and place in a (new) drawing		●		●
Store presentations with unique names and manage using folders		●		●
Export/Share simulations for use in other drawing(s) and/or CAD platform(s)		●		●

COMPATIBILITY AND TECHNOLOGY

	AviPLAN Turn	AviPLAN Turn Pro	AviPLAN Airside	AviPLAN Airside Pro
Workstation: Windows® Vista SP2, 7 SP1, 8/8.1 and 10	●	●	●	●
Network server: Microsoft® Server 2008, 2008 R2, 2012, 2012 R2 and 2016	●	●	●	●
Autodesk: AutoCAD® 2010 - 2018 including verticals (except AutoCAD LT)	●	●	●	●
Bentley: MicroStation® V8i and CONNECT Edition; PowerCivil® V8i; MicroStation® PowerDraft® V8i and CONNECT Edition	●	●	●	●
Bricsys: BricsCAD® V14 - V17 (Pro and Platinum versions only)	●	●	●	●
License server with user permissions and license checkout (borrow)	●	●	●	●
Automatic license updates (e.g. for MAP extensions)	●	●	●	●
Software notifications when software or library updates are available	●	●	●	●
Workstation Silent Install / Windows® Installer (MSI)	●	●	●	●

Valid from 21 September 2017 until further notice

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