



# AVIPLAN<sup>TM</sup>

**EMPOWERING AVIATION PLANNERS**

AVIPLAN 2.0  
THE START OF A NEW ERA  
LOOK INSIDE!





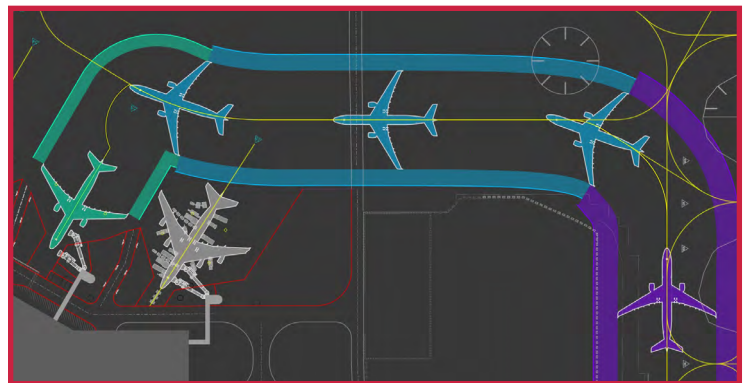
**AVIPLAN®, with renowned market-leading technology at its core, delivers a unique feature-set tailored to meet the specific challenges faced by today's airside planning, design and operations professionals.**

**Analyze aircraft and support vehicle movements on airport aprons and taxiways, plan complex docking scenarios with multiple passenger boarding bridge - lead-in-line -airplane combinations, assess jet blast impacts and safety clearances, simulate complex pushback maneuvers and more.**

## EFFICIENTLY COMPLETE AIRSIDE STUDIES

### **SAFE AIRCRAFT MANEUVERING**

AviPLAN's powerful 2D and 3D maneuver simulation tools allow users to define and adjust parameters such as aircraft/vehicle type, turn types and angles, construction points and offsets, speeds and much more. Analyze jet blast impacts, assess taxiway fillets or control clearance compliance, either by following existing nose-gear or cockpit ground markings (CAD line and arc elements) or by generating new marking designs.



*Simultaneous maneuvers in 2D and 3D*

including more than

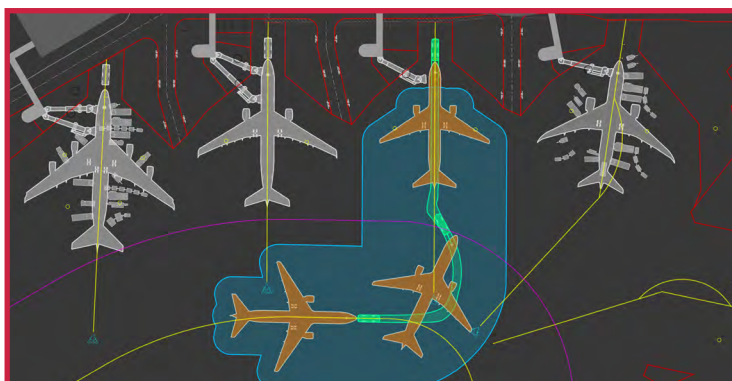
**550+**

different aircraft



export into

**2D** and **3D**  
movies



*Accurately simulate airplane pushback and pull maneuvers*

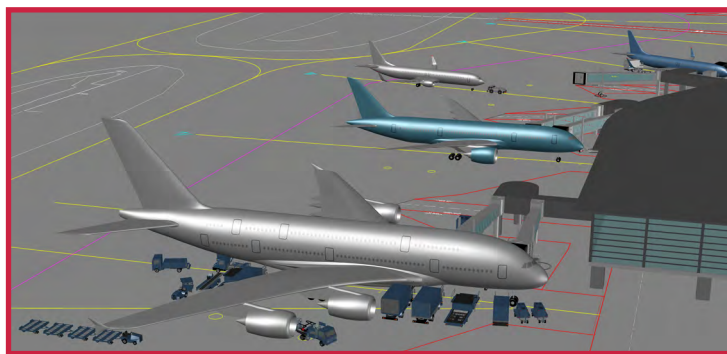
### **ACCURATE PUSHBACK MANEUVERS**

AviPLAN's dependable path simulation algorithm allows users to accurately simulate complex airplane-towbar/towbarless tractor pushback maneuvers in 2D and 3D. Ensure that minimum safety clearances are respected and that no undue strain is placed on equipment when executing maneuvers on the tarmac.



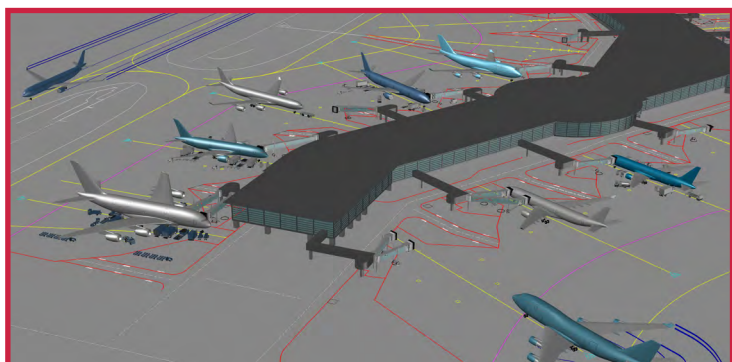
## INTELLIGENT STAND PLANNING

AviPLAN provides airport planning professionals with the tools required to plan and optimize 2D and 3D aircraft parking stands in an unrivalled level of detail. Factor in parameters such as apron slope and grade, passenger boarding bridge model, fixed apron services and airplane misparking margins. Leverage built-in software capabilities to optimize aircraft parking positions, minimize bridge slope or tunnel extension or even the number of stop bars required. The software will guide users through the design process, ensuring that no key aspect is overlooked.



*Leverage advanced optimization functionality to plan contact and non-contact stands in an unrivalled level of detail*

## SIMULATE COMPLEX DOCKING SCENARIOS IN 2D AND 3D



*Create dynamic movie presentations to communicate technical output to stakeholders in style*

## REPORTING AND VISUALIZATION

Fully integrated within AviPLAN comes a tool-set for converting technical aircraft maneuver and docking simulation analyses into professional movies in 2D and 3D. Ideal for visualizing complex technical results, illustrating capacity issues or simply adding credit to a stakeholder pitch, this output will speak for itself. Further, AviPLAN also includes tools to produce detailed Microsoft Word® and Excel® reports with text and graphic details or to add text data tables directly into CAD drawings.

## FOUR TAILORED VERSIONS AVAILABLE

### AVIPLAN AIRSIDE PRO

Advanced **aircraft maneuver and parking stand simulation** and visualization

### AVIPLAN AIRSIDE

**Aircraft maneuver and parking stand simulation** essentials

### AVIPLAN TURN PRO

Advanced **aircraft maneuver** simulation and visualization

### AVIPLAN TURN

**Aircraft maneuver** simulation essentials

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# AVIPLAN 2.0

## THE START OF A NEW ERA

In AviPLAN 2.0 we introduce 3D capabilities, both for the movements and aircraft stands in the airside areas. It increases the accuracy of the design and has been incorporated in a flexible and user friendly way. If necessary, every airplane, vehicle and bridge can be visualized in 3D.

**New!** Terrain Support

**New!** Docking Automation

**New!** User-defined Elements

And much more!

