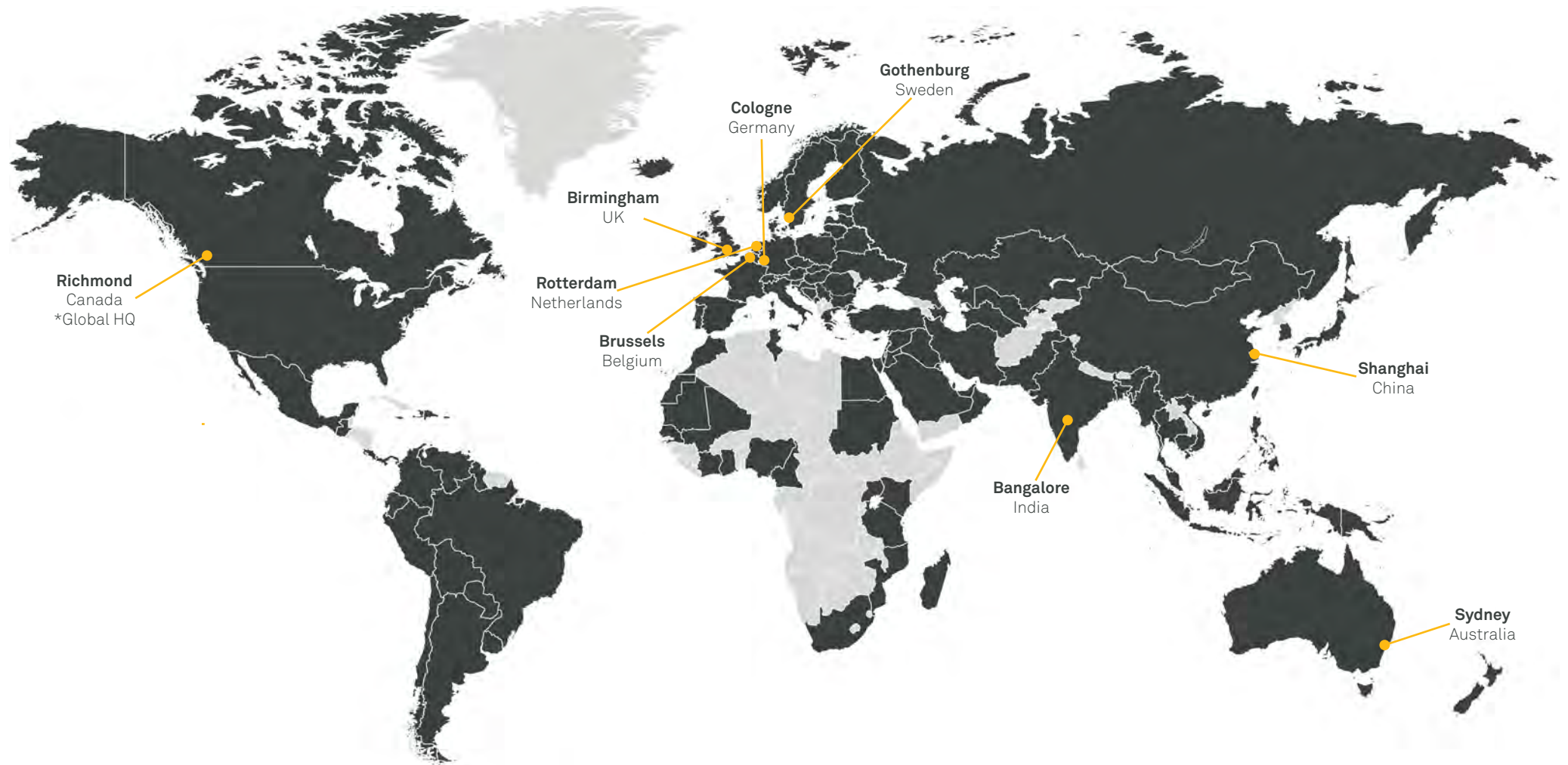


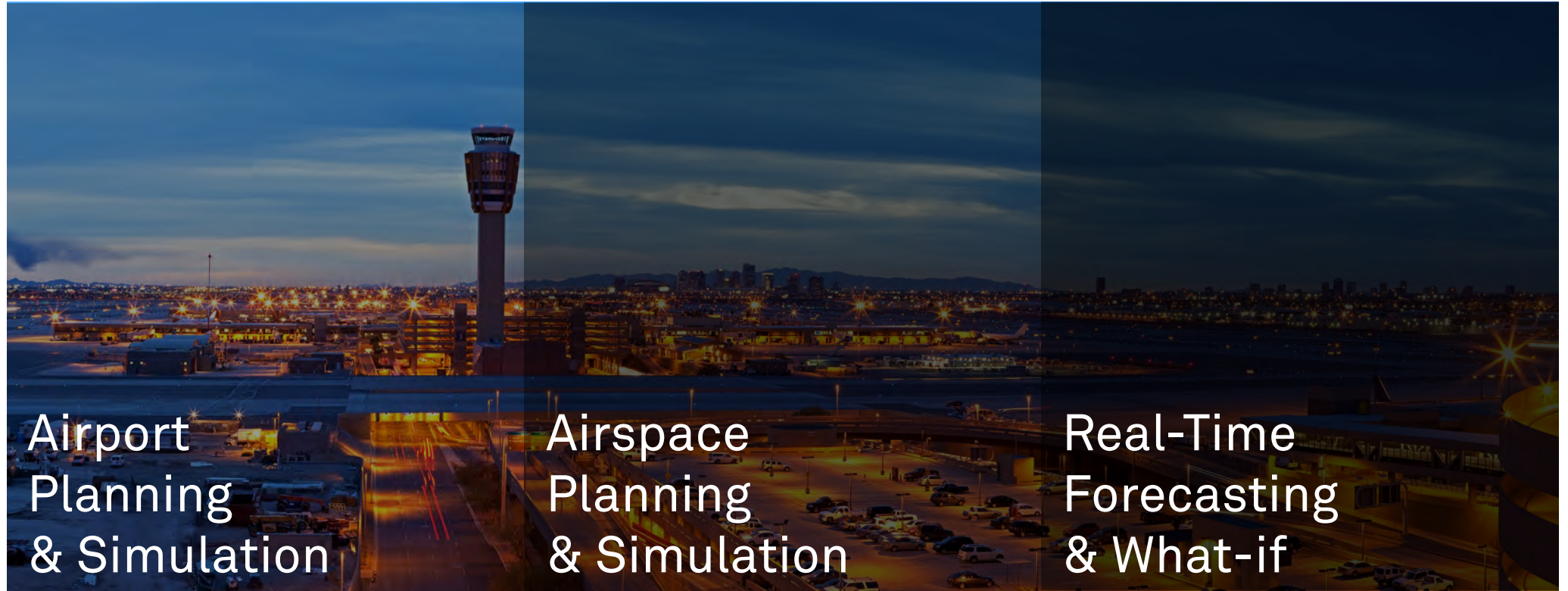


Innovative solutions for
aviation professionals

GLOBAL PRESENCE



PRODUCT SUITE OVERVIEW



SOFTWARE SOLUTIONS

 **AVIPLAN™** EMPOWERING AVIATION PLANNERS
Airside planning, design and operations software

[LEARN MORE >>](#)

 **AIRTOP** ENABLING INFORMED DECISIONS
Seamless airport and airspace modeling and simulation

[LEARN MORE >>](#)

 **SKYSAFE** ENSURING SAFE OPERATIONS
The optimum tool for obstacle clearance compliance

[LEARN MORE >>](#)

 **AEROSTRIPE™** INTELLIGENT AIRSIDE DESIGN
Assuring Standard Marking Compliance

[LEARN MORE >>](#)

 **ADV™** AIRCRAFT SPECIFICATIONS AT YOUR FINGERTIPS
Electronic database with quick and easy access to specifications

[LEARN MORE >>](#)



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. Analyse 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 manoeuvres and more.

Extensive aircraft, bridge and vehicle libraries

Support for 3D surfaces and terrains

Interactive data management

Stand planning and optimization

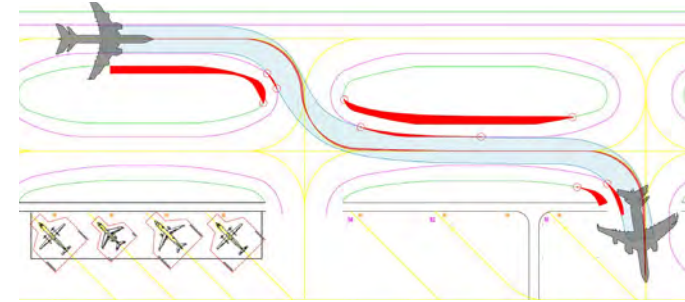
Path construction and analysis



[LEARN MORE ABOUT AVIPLAN HERE!](#)

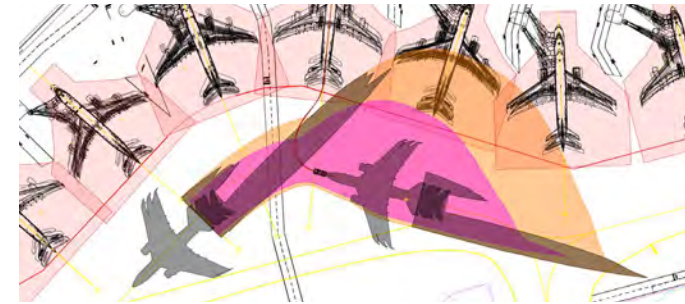
Intelligent Stand Planning

AviPLAN provides airport planning professionals with the tools required to plan and optimize 2D and 3D airplane parking stands, including Multiple Aircraft Ramp System (MARS) stands, in an unrivalled level of detail. Factor in parameters such as the underlying terrain, passenger boarding bridge model, fixed apron services and airplane misparking margins. Leverage built-in software capabilities to optimize airplane parking positions, minimize bridge slope or tunnel extension or even the number of stop bars required.



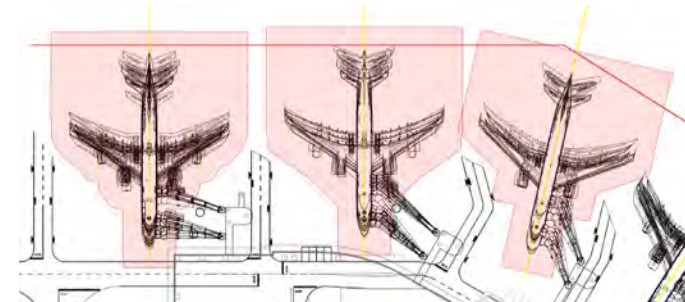
Safe Aircraft Maneuvering

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 CAD geometry or by generating new marking designs.



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.





AirTOP is a leading modeling and simulation platform providing support to assess air traffic and airport complexity, measure controller workload, improve airspace and airport capacity and much more. The modular software provides tools for scenario editing, simulation and reporting for airspace and airport environments through a single sophisticated interface that includes highly interactive 2D maps and 3D views. AirTOP's WIZer modules connect to live data streams to present short-term forecasts of air traffic complexity, controller workload and airport performance indicators, as well as offering real-time what-if-analysis functions to provide airport and airspace demand capacity balancing.

Assess air traffic and airport complexity

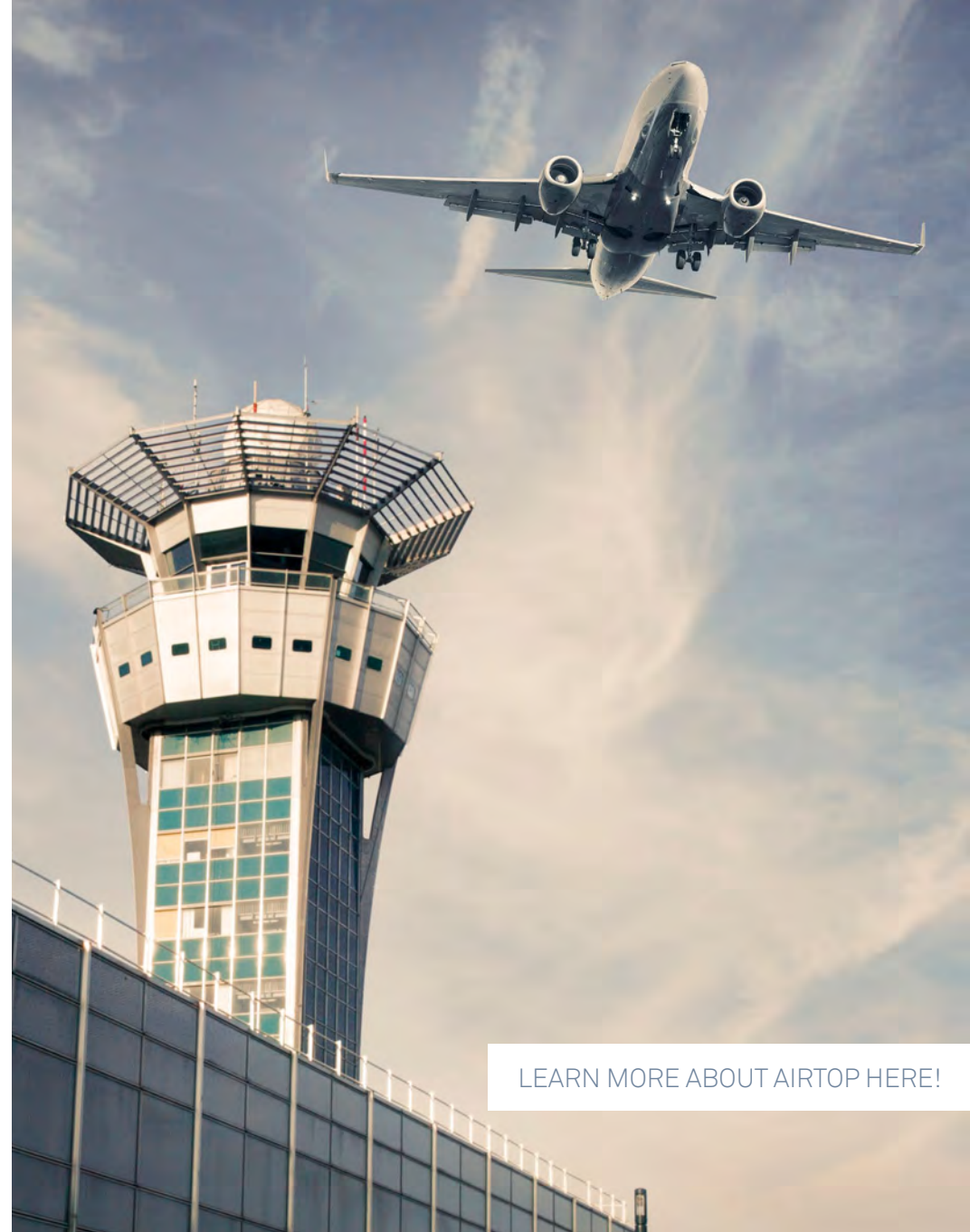
Analyze runway throughput and capacity

Improve airspace and airport capacity

Measure controller workload

Multi platform (Windows, MacOS, Linux)

Terminal simulation, analysis and evaluation



[LEARN MORE ABOUT AIRTOP HERE!](#)

Airspace

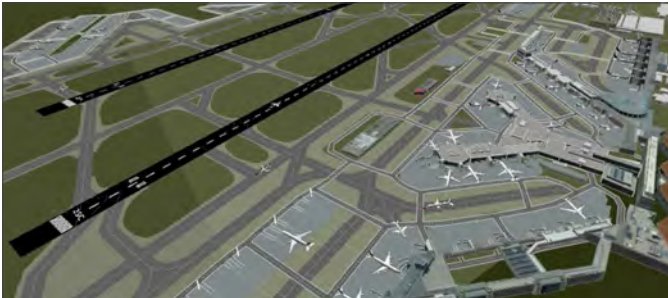
Model, simulate, test, validate and optimize air traffic and airspace structures with AirTOP's airspace modules. The En Route module facilitates rule-based modeling of controller workload (events and monitoring), conflict detection and resolution, letter of agreement, tactical rerouting and level/speed control, sector opening scheme and more. AirTOP realistically simulates all aircraft movements in the airport's control airspace, including all the required departure and approach controller tasks with the TMA/TRACON module. The software's Flow Management module supports the modeling of 4D Trajectory Based Operations (TBOs).

Airport

Assess and enhance airport operations by modelling and simulating passenger terminal, aircraft and vehicle operations, and runway throughput and capacity with AirTOP's airport modules. The Terminal module offers functionality for the rule-based modeling of all passenger terminal processes such as check-in, passport control, security control, baggage claim and retail areas, as well as dynamic calculation of the resource requirements. With the Airside Aircraft module, detailed airside layouts and procedures can be created, modified, simulated and compared, and performance indicators such as fuel-burn, taxi time or runway queues can be reported. To evaluate the effect of ground support equipment on capacity or delays, the Airside Vehicle module can be utilized. The Runway Capacity Analyzer module applies Monte Carlo simulation to calculate runway throughput, making it possible to evaluate existing or future runway capacity.

WIZer

AirTOP's WIZer modules provide live forecasting of future situations and real-time what-if analysis to support decision making. The WIZer ACC module supports area control center supervisors and flow managers with their forecasting of the air traffic situation and sector loads, with the what-if analysis testing alternative sector configurations, altitudes and/or routes. The WIZer Airside module provides decision support to airport tower/taxi/apron controllers and airport operators, by providing an indication if pre-defined performance indicators related to runway, runway system or airside area are forecast to exceed user-defined thresholds.





SkySAFE assists planners and operators to protect airport departure and approach paths, the highest priority for every airport. The software effortlessly creates obstacle limitation surfaces and free zones and analyzes the impact on these surfaces of any obstacle or terrain that has been defined or imported. Surfaces can be depicted based on standards published by ICAO, EASA, FAA, or several national authorities, in a complete 2D or 3D CAD environment. Output is easily integrated into airport layout plans, obstacle maps or certification documentation.

ICAO, EASA and FAA international standards

Single or multiple runway environments

Obstacle data import or manual definition

Obstacle limitation surfaces and free zones

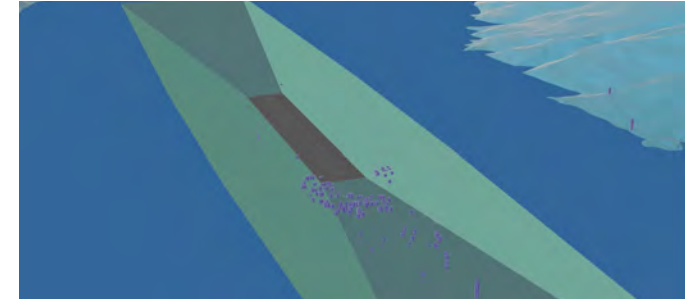
2D or 3D CAD visualization



[LEARN MORE ABOUT SKYSAFE HERE!](#)

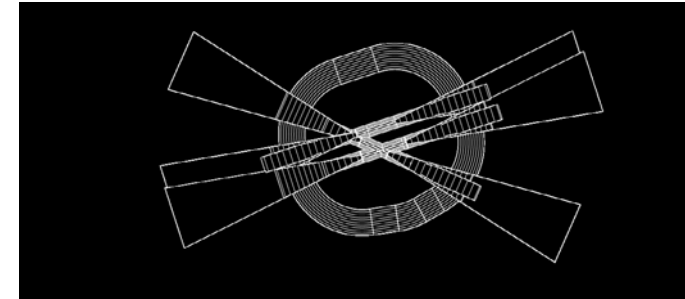
Analysis and Reporting

SkySAFE offers functions for fast and reliable obstacle clearance/interference evaluation. The impact of defined obstacles and terrains can be assessed, including obstacle or terrain height at a given surface and amount of penetration, cross-sections generated, data saved in CAD files as tables, or output exported to Excel for further review.



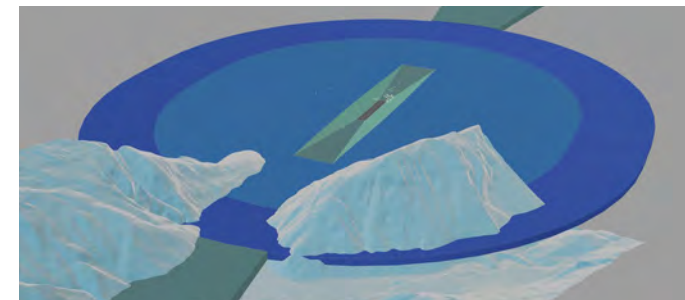
Obstacles and Terrains

With SkySAFE, only a few clicks are required to manually define fixed or temporary objects such as buildings, power lines, lighting pylons, trees, mobile masts or construction cranes. For larger obstacle data sets or terrain/geographical input, import commands are available to quickly and easily generate points to be controlled for interference or compliance analysis.



Operational Environment

Obstacle limitation analysis with SkySAFE begins with generating an accurate model of the airport's operations environment. The software's runway creation tools allow users to define single or multiple runways through manual definition, by selecting a runway profile (CAD geometry), or by importing a coordinate data file. Displaced thresholds, stopways and clearways can be specified to accurately reflect available take-off, landing and accelerate-stop distances. Finally, runways can be categorized and approach/departure scenarios defined for each runway end.





AeroSTRIFE offers a range of features that will significantly improve the way you manage your airside marking projects. AeroSTRIFE will help you with the design of Runways, Taxiways and Aprons using its impressive libraries of both ICAO and FAA markings, standard road text markings and symbols that are pre-drawn to the correct size and shape.

Rule-based markings to ICAO and FAA standards

Comprehensive set of airside markings

Entire runways can be drawn from a single line

3D view ensure markings can be seen

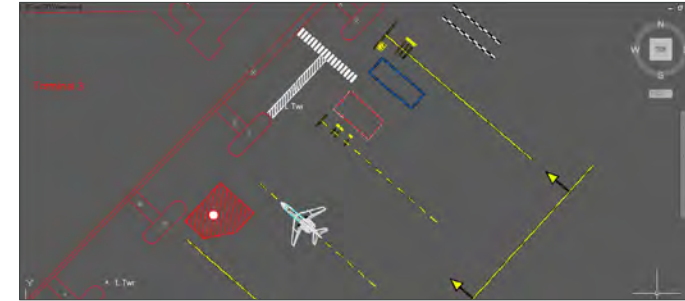
Flexibel labling routines



[LEARN MORE ABOUT AEROSTRIFE HERE!](#)

Complete Airport Markings

AeroSTRIPE allows you to draw a wide range of airport markings from both the ICAO and FAA standards. Whether you are working to meters, millimeters, feet or inches, AeroSTRIPE has the markings at your fingertips. It includes a full library of line types, text and symbols for various territories around the world.



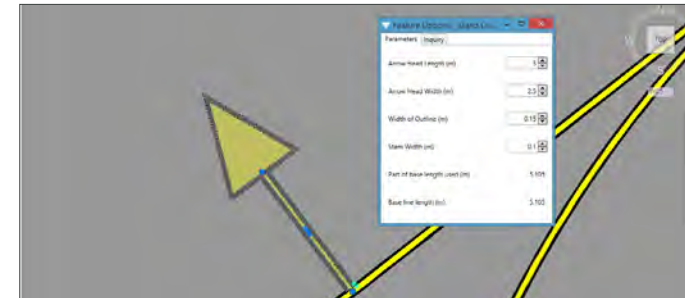
Standard Drawing Format

AeroSTRIPE works with industry standard AutoCAD and Autodesk Civil 3D to transform your drawing production methods. This makes it familiar to use and easy to learn. The standard DWG output file can be easily and quickly shared with your design partners and clients. Your existing knowledge and investment in AutoCAD will be utilized and improved.



Editing with Ease

AeroSTRIPE retains its objects as 'sets of markings', making editing a breeze. Tired of adjusting or redrawing black outlines separately every time the main marking is changed? If so, you will find AeroSTRIPE a pleasure as it automatically redraws the black edge stripes every time main marking is modified.





AIRCRAFT DATA VIEWER

Aircraft Data Viewer delivers accurate and up-to-date aircraft specifications, data that is essential to all aviation professionals. Searching for specifications often means spending precious time looking for relevant information, sometimes without success or certainty that the data is correct. These challenges are easily solved with Aircraft Data Viewer, a Windows® application which presents information on 550+ different airplanes and helicopters in a user-friendly format, including graphics and data tables

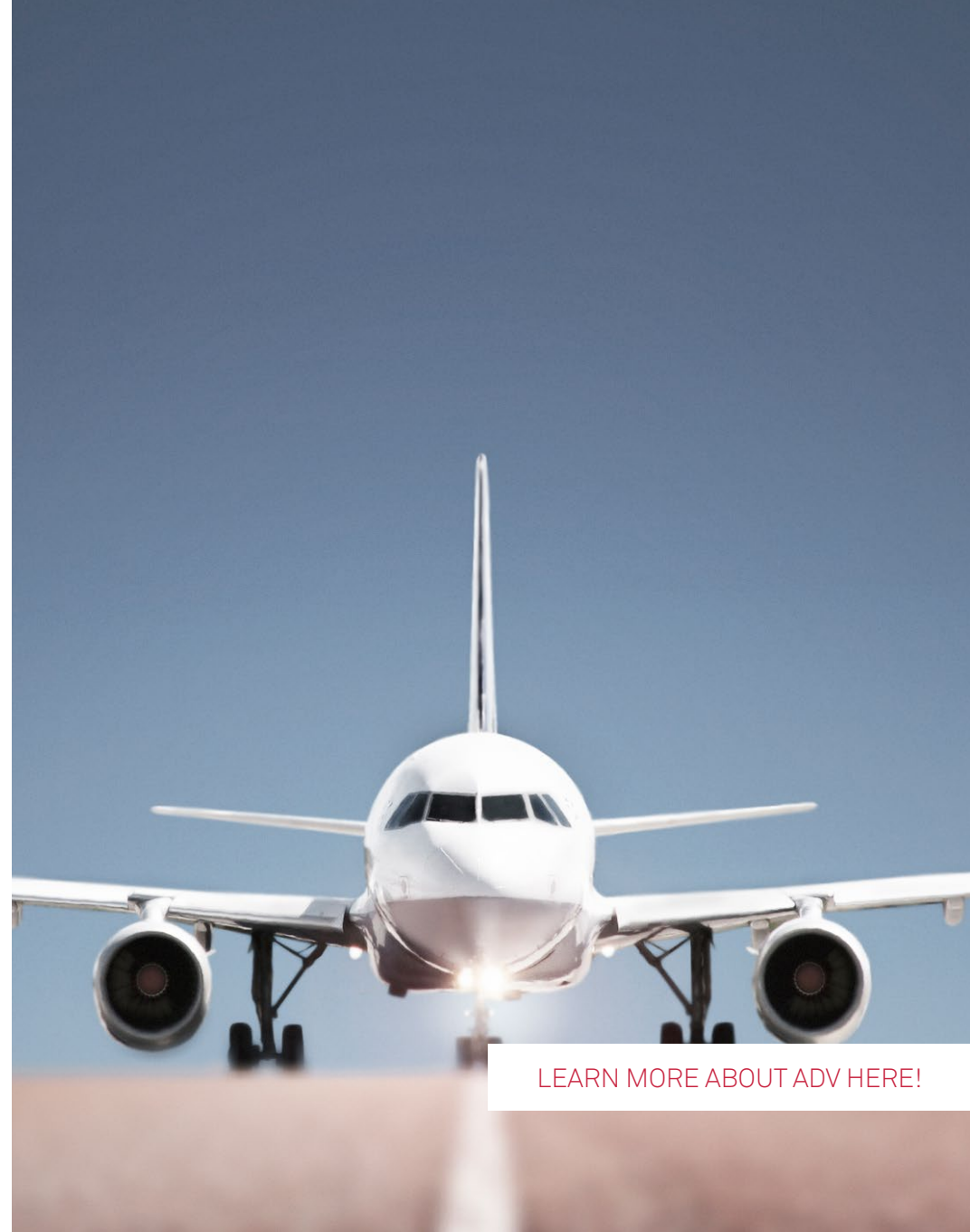
550+ Airplanes and helicopters

Classifications and main dimensions

Airplane jet blast impact profiles

Airplane service connection points

Airplane ground support equipment positions



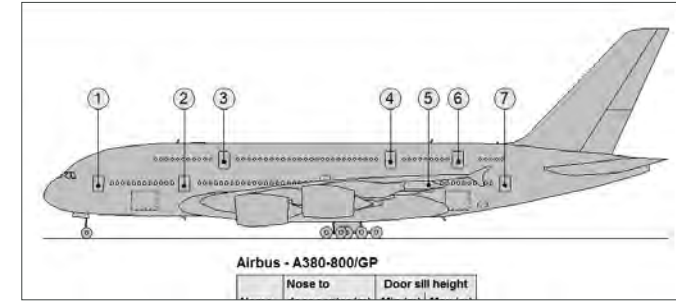
[LEARN MORE ABOUT ADV HERE!](#)

AIRCRAFT SPECIFICATIONS AT YOUR FINGERTIPS

Electronic database with quick and easy access to specifications

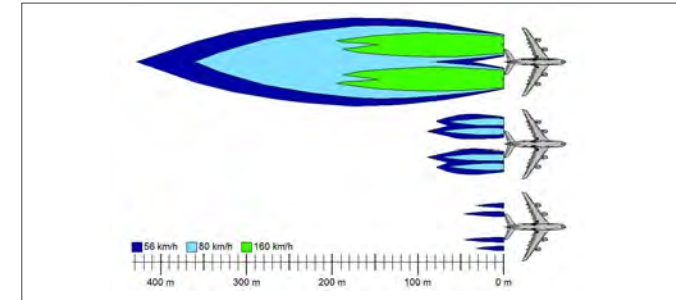
General

The General view displays airplanes and helicopters in top view, and front/side view where available, including measurements. Classification information is presented in an associated table, as well as main dimensions such as overall length, wingspan/rotor diameter and wheelbase. Airplane turning characteristics, weights and seating capacity are also presented where available.



Jet Blasts

The Jet Blast view displays airplanes with their associated jet blast profiles at three engine thrust settings; take-off, break away and idle. The contours are displayed for several wind speed and numeric details can be found in an associated table.



Service Arrangement

The Service Arrangement view shows airplanes together with their associated ground service equipment. The various vehicles such as baggage trains, catering trucks and lavatory trucks are at locations near their respective service points and doors for passengers, cargo and baggage handling.





FORUM & EVENTS

Aviation Forum

At Transoft Solutions Aviation, we believe that it is important to keep up-to-date with our aviation community and also provide a space for airport professionals to interact, share ideas and discuss current topics within the industry.

The Aviation Forum on LinkedIn provides that platform. This is where we share important updates, such as new software releases, upcoming webinars, trainings, events and campaigns. The Aviation Forum is also the perfect place to make your voice heard or connect with other aviation professionals. Interesting topics and news from the aviation industry are brought up for discussion and we encourage our aviation community to join in on the conversation.

[Connect on LinkedIn](#)

[Webinars](#)

[Training](#)

Webinars

Transoft Solutions Aviation regularly host informative webinars for the community of airport professionals. These free, live webinars are a great way for you to learn how our software can help streamline the design process while lowering project costs.

Transoft Aviation offers a full ecosystem of aviation software. Our proven, industry-leading products are critical tools used by airport planners to evaluate their facility's safety and productivity. Our product presentations keep you abreast of software updates and give you the jump on new features and functionalities.

IN FOCUS is an opportunity for you, the airport professional, to get an in-depth look at a relevant topic that may be of interest to you and your business area. We showcase current and thought-provoking aviation topics, presented by knowledgeable guest speakers and internal Transoft Solutions Aviation experts, that will keep you tuned in and engaged.

Training

Whether you're a novice or an experienced user, our training options provide you with a convenient and affordable way to get the most from your software. Live, instructor-led classroom training is one of the best ways to get the expert attention you need to succeed.

A qualified instructor guiding you through important software features and proper usage will have you understanding complex issues easier and picking up skills faster – making for a much more enjoyable and productive learning experience.

We regularly provide instructor-led public classroom training sessions in three main regions; North & South America, Asia-Pacific and Europe, Middle East and Africa. During the current COVID-19 circumstances, we offer online training opportunities.

User Group Meetings

Transoft Solutions User Group Meetings and Mix & Mingle events are hosted regularly in different locations and currently also online.

During these events we hold live product demonstrations and tutorials, invite industry experts to share their experiences, look ahead at Transoft's plans for the future and, of course, provide a forum to discuss industry trends and best practices.

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Transoft Solutions is always open to possible collaborations with our software users and industry peers. Please feel free to reach out to Philippa Johnsson, Product Marketing Manager at philippa.johnsson@transoftsolutions.com, if you are interested in learning more.





Transoft Solutions offers innovative, state-of-the-art software and services for the aviation industry. Whether a project involves airport or airspace modeling, airside planning and design, obstacle limitation compliance or terminal simulation, Transoft Solutions has a solution to help complete the task confidently and accurately in a time-efficient manner.