



Developed by Airport Planners, for Airport Planners

AVIATION NEWSLETTER

SUMMER
EDITION
2019

Summer is just around the corner in our part of the world and we're longing for some lazy days in the sun! If you're looking to meet up with our Aviation experts during summer you'll find us at the AAAE Annual Conference in Boston and the Airport Modernization Summit in Bengaluru. In August we've got our next IN FOCUS coming up and we are very proud to present our friends at Runway Safe, another Gothenburg based company, as our guest speakers. Transoft Solutions User Group in Munich is now four months away, make sure to reserve your seat at the event not to miss out on this great opportunity!

Compatibility and News in AviPLAN 2.3

AviPLAN 2.3 has been released, the latest version of our airside planning, design and operations software. The release introduces compatibility with AutoCAD 2020 and BricsCAD V19 as well as several refinements.

In the Design Path command it is now possible to allow 'Turn on the spot' for all airplanes, whereas in previous versions it was restricted to smaller airplanes only. We recommend using this extended feature with care. In normal circumstances the pilot will first initiate movement before turning the nose wheel so excessive stresses are avoided.

For the turning simulation, the nose wheel angle and wheel base are very important. Manufacturers show the turning capability in the documentation in various ways and for AviPLAN 2.3 we have gone through a major exercise to align it. In the process the maximum (physical) nose wheel steering angle has been introduced. AviPLAN uses, in the Design Path command, the maximum effective steering angle, usually some degrees lower than the physical angle. In practice this difference can be reduced by asymmetric thrust and/or differential braking. For a number of aircraft, turning with higher nose wheel angles is only possible when applying these techniques and the software clearly shows this in an information message. For the B747 models including the latest B747-8 and

B747-8F the impact of the body gear steering has been remodeled in close collaboration with Boeing.

AviPLAN 2.3 contains the latest ICAO regulations for which significant changes were introduced through Annex 14, Volume 1, Amendment 14 in AviPLAN 2.2. Recently ICAO has incorporated the latest amendments in ICAO Annex 14, Volume 1, Eight edition, and this is how it is referred to in AviPLAN 2.3. In case you would like to maintain the values from the older regulations, we recommend setting the

appropriate clearance values and store these in a template in Session Manager 

Learn more about AviPLAN and our range of Aviation software at:

www.transoftsolutions.com/airport-infrastructure

Or check out our upcoming AviPLAN Public Training opportunities at:

www.aviplan.com/training



LIVE WEBINAR
Release of AviPLAN 2.3

Airside planning, design
and operations software

[Register Here >>](#)

"One of my philosophies included hiring compatible people who would work hard, be empowered to the extent possible, while at the same time truly enjoying their work and interactions with others."

Milton Carrasco, President and CEO, Transoft Solutions



The Transoft Solutions Story

Part 3/3

One can project the future of airport planning and design based on current trends – such as the increased use of mobile devices, advancements towards real-time feedback and results, increased cloud collaboration, and use of new technologies such as unmanned aerial systems (UAS) and connected and autonomous vehicles (CAV).

Big data science has been advancing, brought about by computer processing power increases. As such, building informational modelling (BIM) and airport operations can benefit from data that is generated during the course of planning and design. Transoft is working on advancing these opportunities, which ultimately will bring huge benefits to owners of airport infrastructure and airport operators alike. Another area of development is the use of computer visioning technology and mobile data to advance data collection, processing, and utilization for better decision making, airside and groundside operations safety, and other areas of airport planning and operations.

All of these future developments are going to result in hiring experts in new technologies as well as experienced airport planners across the various specialties. It's inevitable! Earlier this year, Transoft hired senior planners experienced in terminal, airside, and airspace simulation to support the growth of our AirTOP and ArcPORT simulation products, including the AirTOP WIZer tool.

Our goal is not only about staying relevant, but also to continue to lead and innovate, so that our customers benefit from these new developments - it is the latter that energizes us each morning! We firmly believe that producing value-added, quality products that benefit our customers and the public at large, makes good business sense.

We will always be customer-centric and would like our customers to know that we are here for the long haul. I have vowed that we will never be sold off, because I truly believe that we make a difference - and we intend to keep doing just that for as long as we are able to.

This being the last of my three letters, I would like to take this opportunity to thank you, our customers and followers, for your long and loyal support - we truly are appreciative of your business and engagement. I can always be reached directly at mc@transoftsolutions.com, should you wish to connect. I also would like to acknowledge and thank all of our staff for the incredible support and belief they have in the Transoft

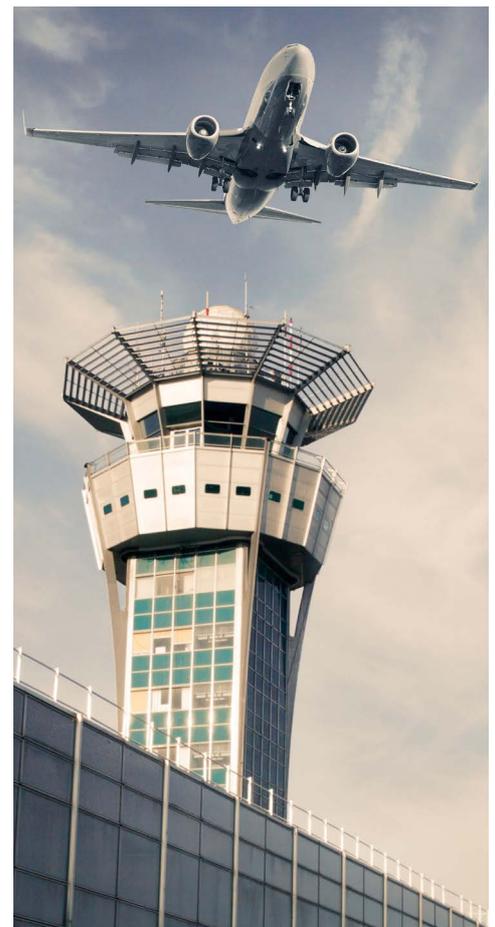
Solutions way, especially our aviation team under the direction and leadership of Ben Van Leest - you guys rock 🇺🇸

Thanks to our President and CEO, Milton Carrasco, for sharing the story behind Transoft Solutions with us in our Aviation Newsletter!



The ever accelerating advancements in computer processing, data communications speeds, artificial intelligence, and other sciences, are contributing to this massive drive for more, faster, and better tools for airport planners. Indeed the pace at which all arenas of science are moving, makes one shudder at the art of possibilities.

Transoft Solutions is fully aware of the importance to stay in the know and to continue to provide state-of-the-art tools for our customers that will take advantage of the new technologies. Our AirTOP WIZer is one such product that provides near real-time simulation, providing ATC's with better forecasting of near term air traffic.



Product Presentation

[View Recording >>](#)



Product Presentation of ArcPORT 2.2.1



Comprehensive and powerful airport
management and planning simulation

[View Webinar >>](#)



A WORD FROM DEVELOPMENT

June will bring a new release of Aircraft Data Viewer, our aircraft specification database. The release will bring the information in line with the latest library information in AviPLAN 2.3. Besides the standard viewing of specifications for a selected aircraft, there is the option to compare aircraft. It is an appreciated feature often used to quickly determine whether a new or unscheduled aircraft can be placed on an existing parking stand.

Ben van Leest, Senior Vice President, Aviation

Meet the Aviation Team

Miguel Bono Tur holds a M.Sc. in Computer Science Engineering and Operations Research. He has been focused on airport terminal and landside simulation over the past eight years and has actively participated and led more than 25 terminal capacity analysis projects as well as trainings and workshops, all using simulation.

What's your expertise?

I am a process engineer with deep knowledge of airport operations and planning and extensive professional experience in software management and design. My main domain is airport terminal and landside simulation but I am also experienced in airside simulation. I am primarily focused on our ArcPORT and AirTOP software and heavily involved in the company's operations within the APAC region, supporting sales and marketing teams and developing product strategy.

What development do you see within the aviation industry?

Airports are constantly evolving, trying to increase capacity and improve passenger experience. Technology plays a big role in making airport processes more efficient and less time consuming, e.g. CUSS kiosks, automated bag drops, biometrics and facial recognition, etc. However, in complex systems like an airport, where there are a lot of interdependencies, more is not always better. Simulation can help evaluate, and defensibly communicate with other teams and stakeholders about the effectiveness of new or revised terminal layouts and detect potential constraints, maximizing benefits and minimizing costs.

A tip for our software users?

My tip for ArcPORT users is to keep an eye on the latest releases, we are constantly adding new features and improving existing ones. We recently improved the TLOS (Target



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Level of Service) functionality, which allows to easily calculate the design and resource needs by setting up a Target Queue Length and/or Queue Wait Time. We also migrated the 3D engine to OGRE engine; this allows a much higher degree of realism in the 3D visualization when doing the animation. And there is much more to come this year 📧



Live Webinar | Runway Safety



Join us as we welcome our friends at Runway Safe for a live webinar where we will take a closer look at runway excursions. What are the risks and what mitigation options are there from an operator perspective. Mikael Larsson and Johan Länsberg will guide us

through the regulations, the reason behind it, and different ways to be compliant. More importantly, we will look at how investments in safety can increase runway performance and capacity and open up new routes 📧

Guest Speakers: Mikael Larsson, Captain and Senior Advisor Aviation, Johan Länsberg, CEO Runway Safe Group



Transoft Solutions User Group Meeting

Transoft Solutions' User Group meeting is back in Europe this year and will take place in Munich during the week of the Inter Airport Europe Expo!

Our TSUG meeting is a free all-day event filled with interesting presentations by our very own Aviation experts, but also case studies presented by our friends and software users within the aviation industry. There will be workshops and mingle opportunities throughout the day where you can share your experiences with your industry peers. Lunch, snacks and drinks are all included to keep us going all day long. Make sure to mark October 7th in your calendar and remember that seats are limited so reserve your spot today.

We look forward to another successful TSUG event and to see you all in Munich in October!

[Register Interest Here >>](#)

AGENDA ITEMS FOR THE DAY:

AviPLAN | Presentation and Workshop

ArcPORT Terminal | Presentation and Workshop

Guest speaker | Case Study Presentation

AirTOP | Introduction

Transoft Solutions Aviation News | Coming up in the near future!

Note!

Our AirTOP User Group meeting is in France this year, if you're interested in participating please contact us at infoAviation@transoftsolutions.com



Upcoming AviPLAN Public Training Opportunities

Miami | New York | Barcelona

[Find out more >>](#)

UPCOMING ACTIVITIES

	16-19 JUN 2019	91ST ANNUAL AAAE Conference and Exposition	BOSTON USA	Learn More >>
	17-18, 25 JUN 2019	AVIPLAN 2.3 RELEASE Live Webinar - Product Presentation	GLOBAL Online	Learn More >>
	JUN 2019	SKYSAFE RELEASE Live Webinar - Product Presentation	GLOBAL Online	Learn More >>
	03-04 JUL 2019	3RD AIRPORT MODERNIZATION Summit and Exposition	BOSTON USA	Learn More >>
	17-19 JUL 2019	AVIPLAN Public Training	MIAMI USA	Learn More >>
	AUG 2019	RUNWAY SAFETY Live Webinar - IN FOCUS	GLOBAL Online	Learn More >>
	11-13 SEP 2019	AIRTOP User Group Conference	MALAGA Spain	Learn More >>
	SEP 2019	IN FOCUS Live Webinar - IN FOCUS	GLOBAL Online	Learn More >>
	25-27 SEP 2019	AVIPLAN Public Training	NEW YORK USA	Learn More >>
	07 OCT 2019	TSUG Transoft Solutions User Group meeting	MUNICH Germany	Learn More >>
	08-11 OCT 2019	INTER AIRPORT Conference and Exposition	MUNICH Germany	Learn More >>
	03 OCT 2019	AVIATION USER DAY User group meeting	PARIS France	Learn More >>
	OCT 2019	AVIPLAN Public Training	BARCELONA Spain	Learn More >>
	19-22 NOV 2019	AAA CONFERENCE Conference and Exposition	GLOBAL Online	Learn More >>
	NOV 2019	STAND PLANNING Live Webinar - IN FOCUS	GLOBAL Online	Learn More >>