

CASEA | 26th & 27th November 2024

Driving Optimization, Compliance and Value in Flight Planning

Speaker: Stephen Young, Regional Vice President (APAC)

INTRODUCTION

STEPHEN YOUNG

Regional Vice President Sales (ASIA)

15+ YEARS IN AVIATION & FLT OPS

- Started career with United Nations as a loadmaster on DC-10 based in Entebbe, Uganda
- Air Traffic Controller (ICAO Validator) & Military Air Battle Management trainer
- United Nations global expert on Flt Ops for manned and unmanned aviation & certified drone pilot & trainer.
- Prior to joining AIR SUPPORT worked at Airbus (Flt Ops subsidiary) in Asia Pacific supporting large Airbus fleets in the region.
- Now Regional Vice Presidents of Sales (APAC) based in Singapore



Stephen Young
Regional Vice President of Sales
APAC



AIR SUPPORT

THE HISTORY OF DIGITALISED AND OPTIMISED OCC

Speaker: Stephen Young
Regional Vice President (ASIA)
26th & 27th November 2024

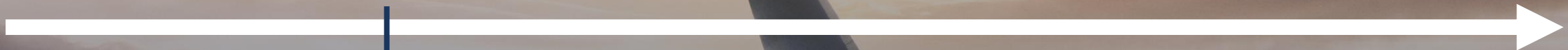
HISTORY OF THE INTEGRATED OCC

In the late 1980's computerized flight planning was born



HISTORY OF THE INTEGRATED OCC

DOS-based systems were the norm with limited connectivity to external systems



Late 1980's

1900's

2000's

2010's

2020's

2024

HISTORY OF THE INTEGRATED OCC

The emergence of initial web services integrations initially focused on integrating Ops & Crew scheduling and reservations (payload platforms)

Expense and reliability stopped most airlines from adopting Integrated OCC



Late 1980's

1900's

2000's

2010's

2020's

2024

HISTORY OF THE INTEGRATED OCC

Greater web services adoption allowed for greater use of integrated Flt Ops environments.

Ops & Crew, EFB (EFF) become more common, ARINC633 and other communication refinements allowed for richer data transfer.



Late 1980's

1900's

2000's

2010's

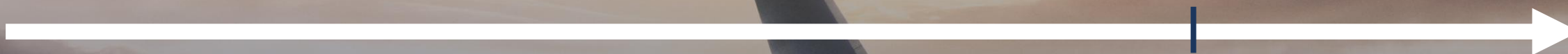
2020's

2024

HISTORY OF THE INTEGRATED OCC

Efficiency, optimization and greater demand for connected environments. XML, ARINC633 and SFTP become the norm with further integrated solutions becoming as standard such as

Fuel Efficiency,
EFB
Safety
Big Data Analytics



Late 1980's

1900's

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2024

HISTORY OF THE INTEGRATED OCC

TODAY

The Integrated OCC is within reach for each and every PPS User.

Quick integration
Reliable Connection
Cost Effective

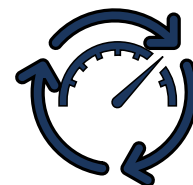
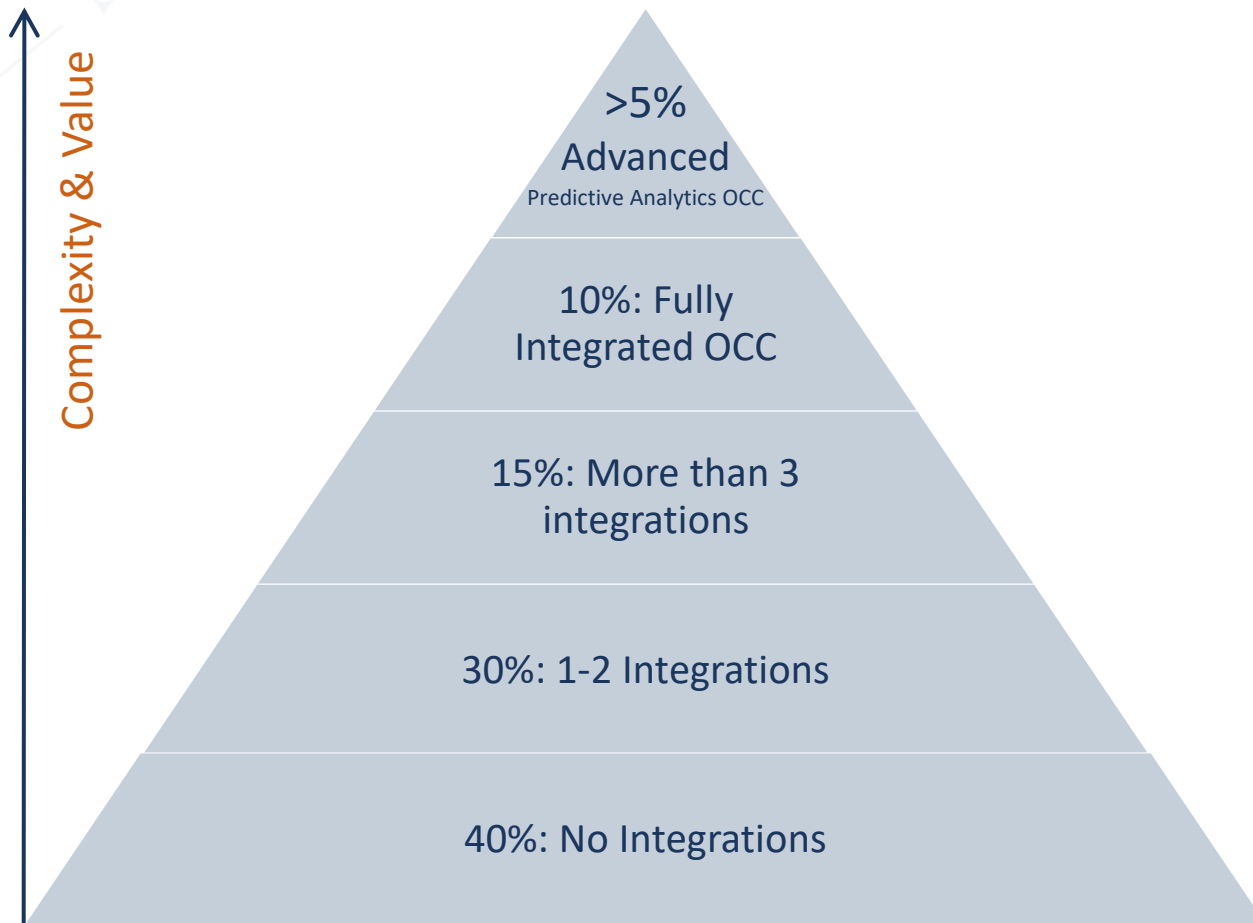
Delivering Value
Everyday!



HOW MANY OPERATORS USE INTEGRATED OCC?

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Regional Vice President (ASIA)
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HOW MANY OPERATORS USE INTEGRATED OCC?



**EFFICIENCY
& ANALYTICS**



**OPS, CREW
& EFB**



THE PAST 12 MONTHS OF DIGITALISATION & OPTIMISATION IN OCC

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WHAT IS THE CURRENT SITUATION?

Current Integrators

100+

Solutions Covered

29

AIM



Enhancing Operational Efficiency & Make It Simple!

HOW DO WE MAKE IT SIMPLE

100+ INTEGRATORS
29 SOLUTIONS



OCC



FLY



EFFICIENCY
&
ANALYTICS



MRO
TRAINING
DOCUMENTATION



COMPLEX



SIMPLIFY

HOW DO WE MAKE IT SIMPLE

AIR SUPPORT

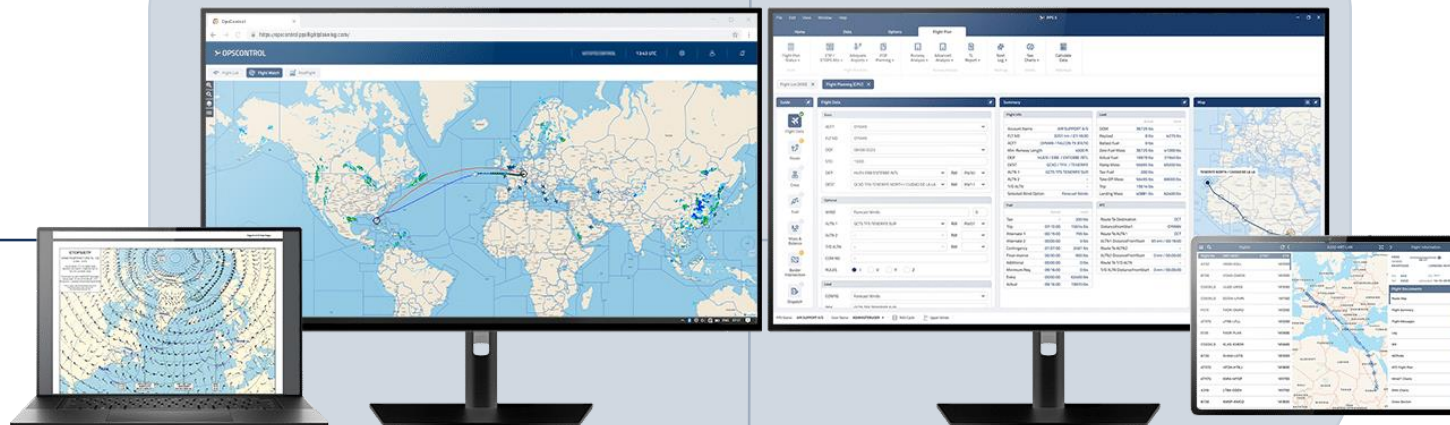


OCC



FLY

PPS FLIGHT PLANNING



EFFICIENCY &
ANALYTICS



MRO, TRAINING &
DOCUMENTATION

HOW DO WE MAKE IT SIMPLE



OCC

- Ops & Crew Scheduling
- PBS Crew Bidding
- Cargo Management Module
- Charter Platforms
- RAIM Prediction
- Aircraft Tracking



FLY

- Charts
- EFB Performance & EFF & EFB Weather
- Driftdown & Escape Routes
- FMS Upload
- ACARS
- AODB



EFFICIENCY & ANALYTICS

- Fuel Efficiency
- Turnaround Analysis
- Big Data Repository
- Flight Data Analysis
- SMS
- Tankering Analysis



MRO, TRAINING & DOCUMENTATION

- MEL
- MRO
- Tech Log
- Technical Manuals & Documentation
- Aircraft Health Monitoring
- Training

FOCUS AREAS OPS & CREW SCHEDULING

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▶ PPS FLIGHT PLANNING

Ops & Crew Scheduling

Drive efficiency within your OCC with integrated Ops & Crew Scheduling systems delivering the latest schedule and crew changes!

More than 32 providers of Ops & Crew and preferential bidding systems seamlessly integrate with PPS Flight Planning ensuring accuracy and speed when planning for flights. API and SSIM feeds between the systems help ensure regular updates into PPS Flight Planning- Flight List ensure operational stability.

- Seamless integrations
- Fast implementation time
- Wide range of pre-existing integrations available designed to meet your growing needs
- Supports **auto-planning** and **auto-dispatch**
- New suppliers added regularly

 Ops & Crew Scheduling



 Preferential Bidding Systems (PBS)



FOCUS AREAS

ELECTRONIC FLIGHT BAG

(EFB)

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▶ PPS FLIGHT PLANNING




EFB & Aircraft Performance




Drive efficiency within your OCC with integrated EFB systems delivering efficiencies in the OCC and Flight Deck!

- Seamless integrations
- Fast implementation time
- Wide range of pre-existing integrations available designed to meet your growing needs
- Supports **auto-planning** and **auto-dispatch**
- New suppliers added regularly

Electronic Flight Folder (EFF)











+ Many More...

EFB Performance









+ More...

EFB Charts



Lido mPilot

EFB Weather















































FOCUS AREAS FUEL EFFICIENCY

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FUEL EFFICIENCY INTEGRATIONS

 <p>Climb Optimization</p>	 <p>Cruise Optimization</p>	 <p>Descent Optimization</p>	 <p>Pilot Adoption</p>	 <p>FMS Winds & EFB Weather</p>	 <p>Aircraft Performance Monitoring</p>	 <p>Big Data & Analytics</p>	 <p>Tankering Analysis</p>
 	      	 	   	    	      	     	

▶ PPS FLIGHT PLANNING Delivers Highly Integrated & Efficient Integrated OCC and Flt Operations Environments!

PPS Flight Planning is proudly integrated with a range of leading fuel efficiency and optimization tools. Combined with the efficiency and optimization of PPS we deliver end to end optimized environments from push-back to landing and post flight analytics.

- Deliver **significant cost savings** and **CO2 reductions** from **gate to gate**.
- **Flexible** integrated environments tailored to each airline.
- **Fast** implementations delivering rapid return on investment
- New & **innovative** suppliers added regularly

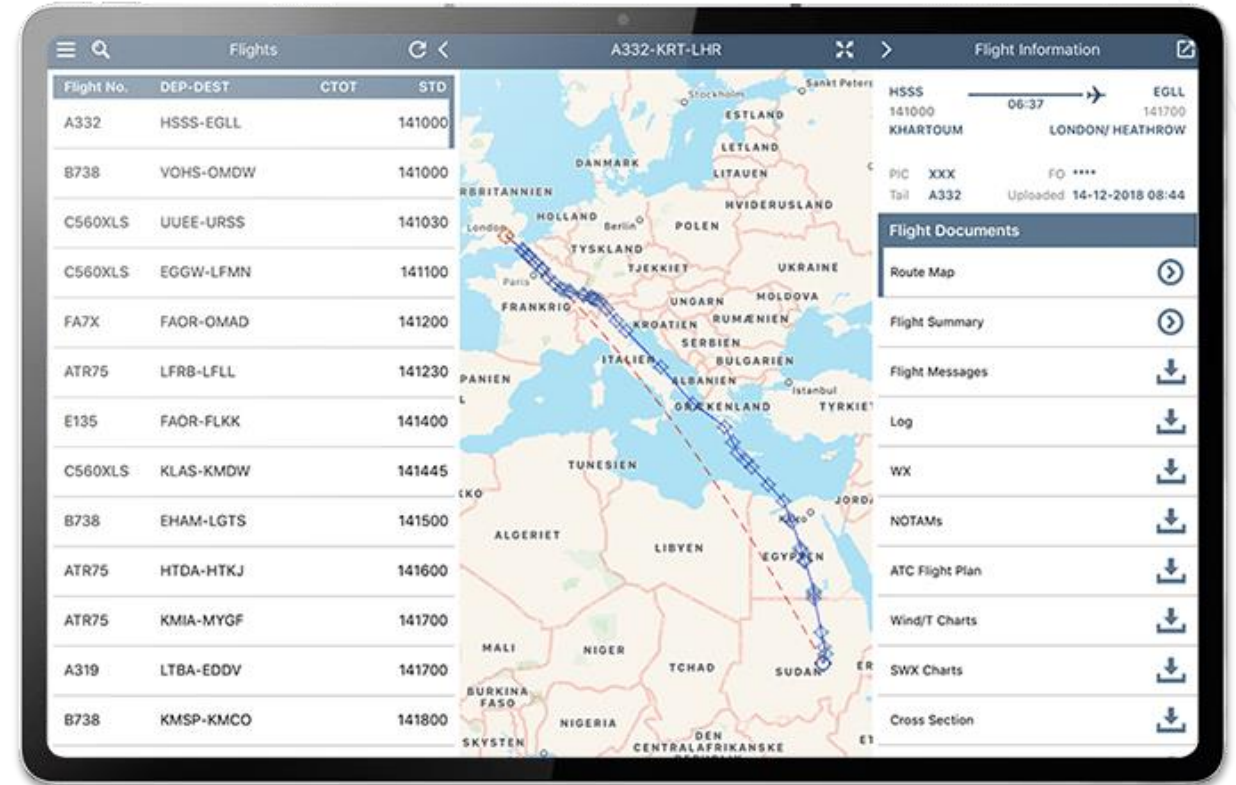
1st OPTION TO IMMEDIATELY DIGITALIZE WITH

PPS FLIGHT PLANNING

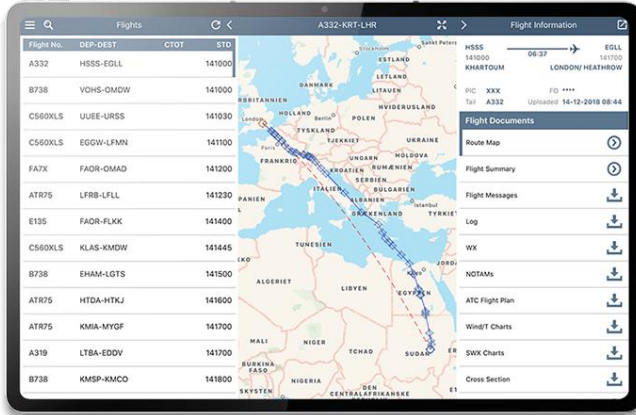
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CrewBriefing Instantly Electronically Brief Crews

- Flight Plan & Log
- ATC Messages
- METAR & TAF
- NOTAMS inc Highlighted NOTAMS
- Company Documents
- SIGMET
- Vertical Cross Section
- Driftdown Procedures
- Wind & Temp Charts
- One Click Launch into Electronic NAV Charts & EFF

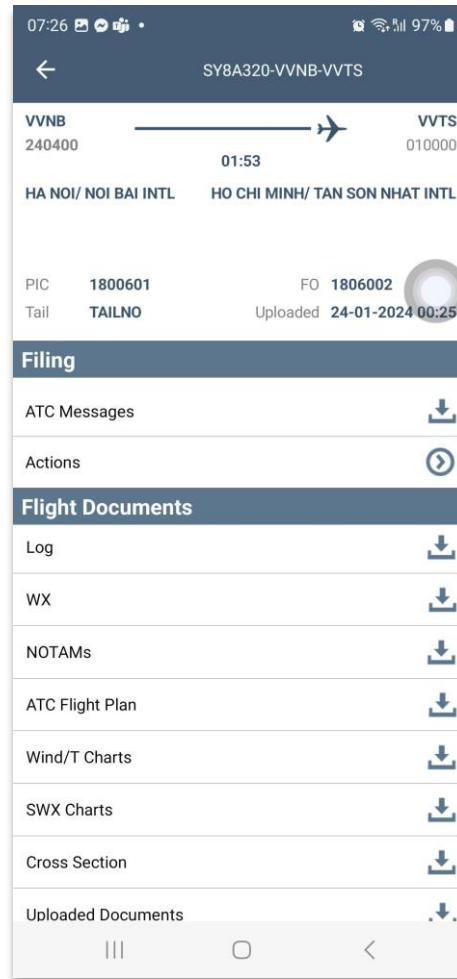


CrewBriefing Empowers the Captain in Delays

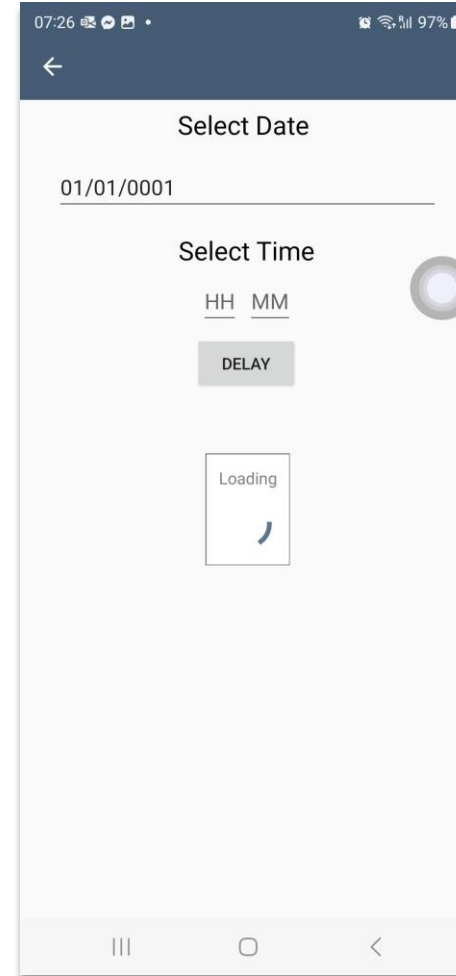


SAVE TIME & REDUCE
COMMUNICATION
ERRORS

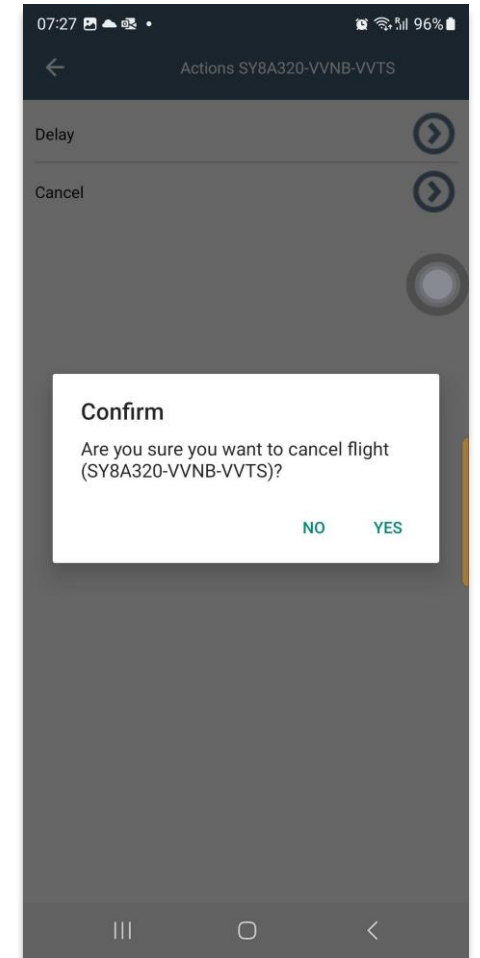
ENHANCE, EMPOWER
& EMBRACE!



Instant Briefing



Captain Can Delay Flight and
File ATC Delay MSG



Captain Can Cancel Flight

A RECENT EXAMPLE OF CUSTOMER SUCCESS

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CUSTOMER SUCCESS- BEOND



4. **Monitored digitalization progress and efficiency savings**
3. Rapid deployment, extensive training & regulatory compliance support
2. Key areas of digitalization;
 1. Ops & Crew
 2. RAIM
 3. EFF Integration
 4. Tracking
 5. Fuel Efficiency. from an outsourced OCC to in-house fully integrated OCC
1. Identified to need to move from an outsourced OCC to in-house fully integrated OCC



CUSTOMER SUCCESS- BEOND



We are excited to announce a major milestone for beOnd: the successful implementation of our very own flight planning system, PPS, from AIR SUPPORT.

This marks the first time that **flight planning will be handled in-house**, bringing significant benefits, including a projected cost saving of around **\$3 million over the next three years.**



CUSTOMER SUCCESS- BEOND



A Strategic Leap Forward

The implementation of the PPS system marks a pivotal moment in beOnd's journey toward operational excellence. By bringing flight planning in-house, we not only enhance our ability to respond swiftly to changing operational needs but also set the stage for sustained growth. This achievement will drive greater efficiency and cost savings across the airline.

Let's celebrate this success together as we continue to innovate and improve our operations!



YOUR RUNWAY TO SUCCESS

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4. Once integrated, review, enhance and optimize for a greater digitalization journey!
3. Speak with your AIR SUPPORT's support and sales team! We are here to help and advise you on getting the most value from your PPS Flight Planning environments!
2. Learn from others, here at this event and at AIR SUPPORT's UGM you will meet other operators more and less integrated than you!
1. Identify how digitalized your OCC environment is today.. Are there key challenges on the horizon which greater integration can assist with...

WE ARE HERE TO ASSIST YOUR DIGITALIZATION AND OPTIMIZATION JOURNEY!

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Thanks for listening!
QUESTIONS?

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