



RECORD NUMBER  
OF EXHIBITORS  
IN 2022



Vendors exhibiting their software and solutions include:


The World's Leading Aviation IT Conference for MRO/M&E and Flight Operations Solutions returns after more than two years away!  
For further information contact Ed Haskey – ed.haskey@aircraft-commerce.com +44 1403 230 700



Keynote Presentations/Case Studies



Live Software Demonstrations



Interactive Workshop Sessions

### WELCOME

After more than two years away we are delighted to welcome you back to the Airline & Aerospace MRO & Flight Operations IT Conference – AMERICAS, once again taking place in Miami, FL, USA.

Since we have been away, the Covid-19 crisis has changed aviation. Over the 10 years we have been hosting this IT conference, much of the talk has been about the benefits of digitization with integrated and enhanced IT platforms for airlines, aircraft operators and MROs, but adoption of these technologies has been slow. However, Covid-19 has brought about a noticeable change in priorities; IT is now recognized as the heart of any modern airline, and the key enabler for recovery and prosperity going forwards.

As if Covid-19 were not enough of a challenge, the terrible events in Ukraine, and the knock-on global effect of rising fuel prices and increased cost of living, have highlighted that it is even more important that airlines and MROs have the best modern IT solutions in use to ensure that they are able to be as agile, flexible and fast as possible to cope with whatever instability or changes might occur in the future.

With IT now front and centre for airline and MRO infrastructure, the 2022 Aircraft Commerce series of MRO & Flight Ops IT conferences is without doubt our most important ever, with the exhibition space for the leading software and hardware vendors showcasing their latest solutions quickly selling out (record number of exhibitors in Miami!). Following a hugely successful EMEA region event in London at the beginning of June, we are bringing the event back to the AMERICAS region in Miami in September, and then to the APAC region and Bangkok in October.

The event offers unprecedented opportunities for airlines and MROs to meet vendors, discuss their own challenges and priorities, and see demos of the latest and leading software solutions. Airlines and MROs who have already taken the first steps to post-Covid recovery and digitization with new and modern IT solutions will be sharing their experiences in the conference agenda, plus there will be the established line-up of industry experts, vendor showcases, workshops, and more to help you unravel and understand this brave new post-Covid world and the opportunities available to airlines and MROs that embrace an IT driven future.

We are also proud to announce that by working with specialist partners, this conference will officially be a carbon neutral event. We are excited to welcome you all back in person, and urge you to register to attend this event. We look forward to seeing you in Miami in September.

**Ed Haskey** | Events Director | Aircraft Commerce

### CONFERENCE OVERVIEW

The conference provides a number of superb opportunities:



A two day agenda of presentations, case studies and interactive workshops given by industry experts and the airline/MRO IT users themselves will review and let delegates discuss the latest trends and innovations in this rapidly developing sector of the industry. In addition, the popular Sustainable Aviation Solutions, Digital Flight Operations Manuals and Content Solutions, EFB and Flight Operations Solutions, and M&E / MRO IT Solutions Vendor Showcases will be running. See Pages 4-10 for full conference agenda.



You can network with your peers among the 400+ delegates in attendance from across the AMERICAS region. Learn from their experiences, share recommendations bring 'exchange ideas' up to this line..



A large exhibition area allows airlines, aircraft operators, OEMs and MROs opportunities to try out the major software and hardware IT systems from over 50+ world leading vendors. See over the page for a full list of vendors exhibiting their solutions and learn more about the software and hardware you will see.

### LIVE SOFTWARE DEMONSTRATIONS:

One of the key benefits of this event is that it allows airlines, aircraft operators, MROs and OEMs with an excellent chance to review and demo all the major software and hardware solutions in one place, in 2 days. Extended refreshment breaks during the presentation programme allows lots of time to browse the exhibition area, and:

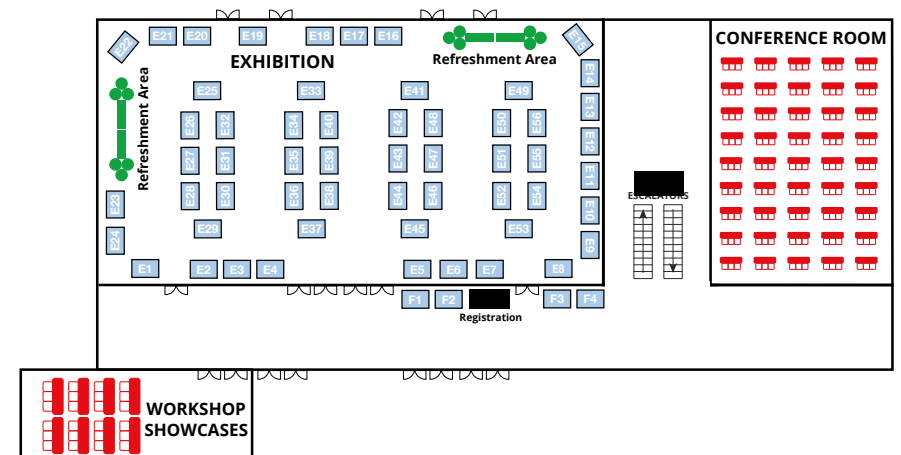
- Try out all the major MRO/M&E and Flight Operations Software and Hardware solutions from the world's leading vendors and see how they can benefit your company
- Try out all the latest upgrades and add-ons to compliment your current systems
- Discuss with the vendors best practice and how to overcome any problems you may be having with your current systems

### ✈ Flight Operations Software and Hardware solutions available to demo include:

- Digital and Paperless Flight Deck Solutions
- EFB (Electronic Flight Bag)
- Flight Planning Solutions
- Fuel Saving Solutions
- ETL (Electronic Technical Log)
- Data Analytics and Predictive Modelling
- Operations Cost Management
- Optimising Weight & Balance Software
- Live Flight Tracking
- Live Weather Reporting
- Sustainable Flight Ops Solutions

### ⚙ MRO /M&E Software solutions available to demo include:

- Digital and Paperless Solutions for the Hangar and Line Maintenance
- Fully Integrated End-to-End MRO/M&E Solutions
- Supply Chain Solutions Software
- Digital Documentation Management Solutions/CMS
- MRO Solutions Linked to Enterprise Wide Software (ERP etc)
- Full scanning Services for Paperless Solutions;
- Data Analytics and Predictive Maintenance
- Paperless Manuals and Technical Documentation
- Digital Twins



### Pre-conference Making Optimal use of M&E / MRO Software Masterclass Workshop.\* – Tuesday, 12th September 2022 (14:00 – 17:30)

**\* This workshop is free of charge. We only have 60 seats available for this Workshop. Click here to register for the free workshop.**

#### PRE-CONFERENCE MAKING OPTIMAL USE OF M&E / MRO SOFTWARE MASTERCLASS WORKSHOP – (Workshop / Showcase room)

14:00-17:30

#### REFRESHMENT BREAK

IT industry leaders worldwide have all given testimony and credence to the reality that the rate of IT adoption over the past 2 years has been 4x-6x that which was experienced pre-COVID-19. The rate of technology innovation and advancements with MRO software has far outpaced adoption by MRO business units.

So where is your organization on that maturity cycle? Have you accelerated adoption at least 4x- or are you still behind? Making optimal use of existing software applications starts with qualitatively and quantitatively analyzing business functions usage and adoption versus your available technology capabilities.

Defining opportunities from that analysis and setting a strategy for improvements should then follow. Additionally, embedding a culture of continuous improvement and standardizing the handling of software releases to stay current is a common challenge to be addressed.

**This workshop will focus on how to optimize the use of your existing M&E / MRO IT systems and covers the following key issues:**

- How well are your current M&E / MRO business functions and processes enabled with available technology? Are available systems used efficiently and to their full potential for the business?
- Does the Maintenance organization have the right decision support information in a comprehensive and timely fashion?
- What is the integrity of the data? Do all stakeholders trust it, or do they have their own methods of capture? Is there one source of truth?
- How well are you keeping up with system releases and emerging industry trends? Are you on the latest versions? How do you stay abreast of any advancements in business processes and corresponding software impacts?

**Workshop Hosted by: Allan Bachan, VP, ICF and supported by his MRO consulting team and Aircraft Commerce associates**

15:30-16:00

#### REFRESHMENT BREAK



#### REGISTER TO ATTEND THIS WORKSHOP

**This workshop is free of charge**

All participants will be provided with course materials post-conference.



Register Online: Click the following link

<https://www.aircraft-commerce.com/product/airline-aerospace-mro-flight-ops-it-conference-2022-americas/#workshop>



ed.haskey@aircraft-commerce.com



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### DAY ONE - TUESDAY 13th SEPTEMBER 2022



Icons explained:  Flight Operations IT track




 MRO / M&E IT track



 Prize Draw Session – Win an iPad!

The conference agenda includes keynote presentations, case studies, interactive workshops, and IT Vendor Showcases all delivered by airlines, aircraft operators, OEMs, MROs, Consultants, Regulators and IT Vendors to provide delegates with varied and interesting insights into the key topics in this constantly evolving aviation sector.





08:00-08:55	<b>BREAKFAST – DELEGATE REGISTRATION – SOFTWARE DEMONSTRATIONS</b>											
08:55-09:00	<b>Opening Remarks: Conference Chairman</b>											
	 <b>MRO / M&amp;E IT TRACK</b> – (Main Conference Room)	 <b>FLIGHT OPERATIONS IT TRACK</b> – (Workshop / Showcase room)										
09:00-09:30	<p><b>Aircraft Maintenance IT Modernization – if not now, when? And how?</b></p> <p>IT industry leaders worldwide have stated that the rate of IT adoption over the past 2 years has been as much as five times higher when compared to pre-COVID-19 rates. Projects slated for completion as far ahead as 2026 were accelerated and some are now completed. In many respects, these were necessary for business continuity. The rate of technology advancements with Aviation MRO software has always far outpaced adoption by MRO businesses: at least seven of the top 10 MROs globally are on legacy or home built applications which are at least three versions behind. Similarly, many large airlines (&gt;150 aircraft) still continue to run M&amp;E software solutions which are static, more than four versions behind and /or contain remnants of legacy software which are very much alive with no planned retirement dates.</p> <p>We have also seen international phenomena tagged as 'The Supply Chain Crisis' and 'The Great Resignation' emerging in 2021 and continuing well into 2022. What strategy should airlines, operators and MROs adopt for MRO IT modernization which addresses these situations? The rise of several strategies including digital twins, low-code/no-code approaches, cloud architectures, citizen developers etc. have expanded the several avenues for modernization. This Keynote will explore this modernization topic in some detail.</p> <p><b>Allan Bachan, VP, ICF</b></p>	<p>09:00-10:15 <b>Vendor Showcase: Sustainable Aviation Solutions</b></p> <p>Your chance to quickly find out about the industry leading solutions designed to assist airlines with achieving their sustainability goals: including Fuel Efficiency/ Management Solutions, Flightdeck Optimizer Apps, more. Each Vendor will provide a brief 7-minute showcase of their solutions including: product overview, new customers, latest developments, 2022 outlook.</p> <p><b>Vendors presenting include:</b></p> <table border="0"> <tr> <td>1. Boeing</td> <td>6. OpenAirlines</td> </tr> <tr> <td>2. Storkjet</td> <td>7. PACE</td> </tr> <tr> <td>3. Laminaar</td> <td>8. GE Digital</td> </tr> <tr> <td>4. SITA FOR AIRCRAFT</td> <td>9. FLYHT</td> </tr> <tr> <td>5. Honeywell</td> <td>10. AVTECH</td> </tr> </table>	1. Boeing	6. OpenAirlines	2. Storkjet	7. PACE	3. Laminaar	8. GE Digital	4. SITA FOR AIRCRAFT	9. FLYHT	5. Honeywell	10. AVTECH
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	 <b>MRO / M&amp;E IT TRACK</b> - (Main Conference Room)	 <b>FLIGHT OPERATIONS IT TRACK</b> - (Workshop / Showcase room)						
09:30-10:00	<p><b>Case Study: Delta Air Lines: Building New Technology to Enable Complete Digital Data Transformation by Connecting Airlines and MROs in a New Way</b></p> <p>Delta Air Lines relies on data from multiple sources to manage their maintenance activities, but it has become increasingly important to provide true, accurate, and real-time aircraft status reporting for both the airline's fleet, regardless of vendor, location, or system. This case study focuses on a new solution developed by Delta Air Lines along with long-term software partner EmpowerMX, which is enabling the collection of that data, the transformation to a common format, and the loading into target systems for robust ability to process and analyze aircraft being maintained throughout the world. Using standard deviation metrics, that distilled data is presented in a manner that is simple, clear, and accurate. All aircraft are displayed according to the user's preferences, all assumptions are plainly understood, and the right information is available to those that need it most; nothing more and nothing less. Using drill down capability, constraints can be isolated in real-time for appropriate action. Never before have 40 lines of outsourced maintenance been more effectively managed. Items that require attention will float to the top; right where they belong.</p> <p><b>Kristin Johnson</b>, Duty Manager, Delta Techops <b>Tom Davis</b>, Chief Commercial Officer, EmpowerMX</p>							
10:00-10:30	<p><b>IATA - Working with the Industry to Develop a more Efficient Maintenance Data Standard</b></p> <p>The plethora of sources and formats for inputs to maintenance planning makes more difficult the task of ensuring that updates and amendments to technical publications get implemented everywhere they should. In this presentation you will see how IATA has brought together airlines, OEMs, IT Vendors, and more to develop a new Scheduled Maintenance Data Standard (SMDS) which aims to tackle that problem by simplifying the process. The project challenges around regulations are discussed, along with the industry-wide benefits particularly regarding technical publications such as the Maintenance Planning Document (MPD).</p> <p><b>Iryna Khomenko</b>, Manager Operational Efficiency, IATA TechOps</p>							
10:30-11:15	<p><b>REFRESHMENT BREAK - SOFTWARE DEMONSTRATIONS (Exhibition Hall)</b></p>							
11:15-11:45	<p><b>Digital In Aviation   Benefits of Web3 Blockchain, NFTs, Crypto, Security and More</b></p> <p>In this presentation, <i>#DigitalAircraft</i> look at the latest technology trends that will impact aviation, and how each company can prepare for and take best advantage:</p> <p>What are the opportunities from and effects of Web3 on Aviation/Aerospace. Advanced Technology, Blockchain, NFTs, Digital Tokens and Security all play a role in creating efficient operations in Aviation/Aerospace.</p> <p>"World Aviation Blockchain Market is predicted to Reach \$1.4 Billion by 2026"   SAN FRANCISCO, June 27, 2022 /PRNewswire" ... Do you understand how Web3 / Blockchain will impact Aviation?</p> <p>Advanced Technology is many times misunderstood. This means that people delay adoption and getting the value from its use due to: 1) Not understanding the technology, 2) Not understanding the benefits, 3) Not understanding how to successfully implement it, 4) How to mitigate risk and get maximum reward.</p> <p><b>Mark Schulz</b>, Founder, <i>#DigitalAircraft</i></p>	<p><b>11:15-12:00 Vendor Showcase: Digital Flight Operations Manuals and Content Solutions</b></p> <p>Your chance to quickly find out about the industry leading solutions designed to assist airlines with digitizing manuals and content for delivery to the flight deck and other key frontline staff. Including end-to-end systems to create, edit, and revise and manuals and content; EFB / flight deck Apps; smart and dynamic content, and more. Each Vendor will provide a brief 7 minute showcase of their solutions including: product overview, new customers, latest developments, 2022 outlook.</p> <p><b>Vendors presenting include:</b></p> <table border="0"> <tr> <td>1. Orlando for TechPubs</td> <td>4. Vistair</td> </tr> <tr> <td>2. Comply365</td> <td>5. Lufthansa Industry Solutions</td> </tr> <tr> <td>3. Yonder</td> <td>6. Flatirons Solutions</td> </tr> </table>	1. Orlando for TechPubs	4. Vistair	2. Comply365	5. Lufthansa Industry Solutions	3. Yonder	6. Flatirons Solutions
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	 <b>MRO / M&amp;E IT TRACK</b> - (Main Conference Room)	 <b>FLIGHT OPERATIONS IT TRACK</b> - (Workshop / Showcase room)
11:45-12:15	<p><b>Case Study: Wizz Air - Implementing and Operating the new Technical Logbook solution from AVIATAR</b></p> <p>Wizz Air, Europe's greenest airline, has recently introduced AVIATAR's electronic Technical Logbook into their daily flight operations, replacing practically all Tech Ops related paperwork on the aircraft. Gerben Bondt, Line Training Captain and driver of those changes in Flight Ops, will bring you back to the beginning of this journey. He will talk about how Wizz Air first established a strong foundation, the importance of cross functional cooperation, why Wizz Air partnered with AVIATAR and talk you through the highs and lows of the implementation project. Finally, a quick demonstration of the eTLB, together with Frank Martens of AVIATAR, the digital platform of Lufthansa Technik.</p> <p>As you will see AVIATAR's Technical Logbook offers prefilled text blocks and a future potential for automated input masks that capture aircraft technical issues during flight and on the ground. It therefore replaces time-consuming manual entries into paper books and improves data quality as well as transparency. The new solution works with any hardware device (e.g. tablet, smartphone or desktop computer) and provides pilots with access to aircraft status anywhere and anytime. It also offers back-up processes in case of connectivity issues. Real-time data availability, directly connected with the M&amp;E system (maintenance and engineering system), ensures maintenance on arrival and enables a seamless pilot-to-maintenance collaboration - leading to reduced turnaround times and costs. In addition, the standardized data structure will help Wizz Air to gain insights into trend analytics.</p> <p><b>Gerben Bondt</b>, Line Training Captain, Wizz Air <b>Frank Martens</b>, Senior Director Sales Aviatar and Digital Products</p>	<p>12:00-12:45 <b>Vendor Showcase EFB and Flight Operations Solutions - Part 1</b></p> <p>Your chance to quickly find out about the industry leading Flight Ops Solutions, such as Flight Planning, Flight Ops Management, Communications, Connectivity, and more; and EFB Software, Hardware and Apps. Each Vendor will provide a brief 7-minute showcase of their solutions including: product overview, new customers, latest developments, 2022 outlook.</p> <p><b>Vendors presenting include:</b></p> <ol style="list-style-type: none"> <li>1. PIVOT</li> <li>2. NAVBLUE</li> <li>3. FLYHT</li> <li>4. Smart4Aviation</li> <li>5. Collins Aerospace</li> <li>6. AvioBook</li> <li>7. DextraData</li> </ol>
12:15-12:45	<p><b>Case Study: Spirit Airlines - A Successful MRO IT System Upgrade Project</b></p> <p>In this case study Spirit Airlines walks us through the airlines major MRO IT system upgrade project, managed by ROTa. The project involves upgrading the airlines MRO IT system, Trax, to the latest version. You will see how ROTa and Spirit mapped out the key steps including all regression and UAT testing, cataloguing the processes of key SMEs and ensuring the new upgraded system meets their expectations and assists with daily tasks; plus managing software changes, enhancements and supporting the night of the system change and providing support to Spirit users post upgrade.</p> <p><b>Shawn Stazzone</b>, Senior Manager Maintenance Technology, Spirit Airlines <b>James Cornelius</b>, President, ROTa</p>	
12:45-14:00	<p><b>LUNCH - SOFTWARE DEMONSTRATIONS (Exhibition Hall). Sponsored by:</b>  <b>Visit us on Stand E48</b></p>	

	 <b>MRO / M&amp;E IT TRACK</b> - (Main Conference Room)	 <b>FLIGHT OPERATIONS IT TRACK</b> - (Workshop / Showcase room)
14:00-14:30	<p><b>Panel Discussion: Digital Aircraft and Engine Lease Returns</b></p> <p>This panel discussion focuses on the key issues around how aircraft and engine lease transactions can be performed in a completely digital and paperless way. The challenges, such as data standards, will be discussed, along with key enablers such as digital records, exchange of data between the airlines M&amp;E systems and the Lessors, e-signatures, and more.</p> <p>You will also learn how airlines can best prepare their maintenance data ahead of the lease transition.</p> <p><b>Panellists:</b>  <b>Kane Douglas</b>, VP Technical, AVOLON  <b>Wayne Kissoondath</b>, VP Portfolio Management, Jetstream Aviation Capital  <b>Nate Hicks</b>, Senior Director - Asset Records &amp; Network Solutions, GE Digital  <b>Karl Steeves</b>, CEO, TrustFlight                      Chairman: <b>Allan Bachan</b>, Vice President, ICF</p>	<p>14:00-15:30 <b>Vendor Showcase</b>  <b>EFB and Flight Operations Solutions - Part 2</b></p> <p>Your chance to quickly find out about the industry leading Flight Ops Solutions, such as Flight Planning, Flight Ops Management, Communications, Connectivity, and more; and EFB Software, Hardware and Apps. Each Vendor will provide a brief 7-minute showcase of their solutions including: product overview, new customers, latest developments, 2022 outlook.</p> <p><b>Vendors presenting include:</b></p> <ol style="list-style-type: none"> <li>8. Skyplan</li> <li>9. Taillog</li> <li>10. SITA FOR AIRCRAFT</li> <li>11. IBS Software</li> <li>12. ett Aviation</li> <li>13. OpenAirlines</li> <li>14. Air Support</li> <li>15. Boeing</li> <li>16. Flygprestanda</li> <li>17. ASQS</li> <li>18. Avionics Support Group</li> <li>19. TrustFlight</li> <li>20. FlightAware</li> </ol>
14:30-15:00	<p><b>Case Study: United Airlines - Digital Aircraft Records Management Project</b></p> <p>In this case study United show how it has modernized and streamlined its management of aircraft records and documentation by digitizing the process, with the Aircraft Records Management System from GE Digital. You will see how the airline transitioned from paper records to digital and now utilize a single, cloud-based solutions, for seamlessly indexing and archiving all maintenance records. You will see how United can easily transfer data to lessors, and integrate / match maintenance records to their M&amp;E system. The project challenges are discussed, as well as the benefits to the airline, plus a look at future plans and how the digital records slot into United's overall digital maintenance project.</p> <p><b>Elliot Lye</b>, Senior Manager - Aircraft Records, United Airlines  <b>Clint Meehan</b>, Director - Aircraft Records, United Airlines</p>	




	 <b>MRO / M&amp;E IT TRACK</b> – (Main Conference Room)	 <b>FLIGHT OPERATIONS IT TRACK</b> – (Workshop / Showcase room)
15:00-15:30	<p><b>Case Study: Chrono Aviation – Using a Modern M&amp;E System to Overcome the Challenges of Growth</b></p> <p>In this case study, Canadian Charter Airline Chrono Aviation, and their MRO subsidiary WAAS Aerospace, explain how they utilised Rusada’s ENVISION platform as a key pillar of their growth strategy. This includes an in-depth look at some of the difficulties they faced with their planned expansion of operations, how the project to deploy Rusada’s software was undertaken, and the benefits it is now bringing to their businesses.</p> <p>They will also explore the added complication of starting the deployment project two months prior to the Covid-19 pandemic, looking into how this additional challenge was overcome, during what was a very difficult period for the industry.</p> <p><b>Dominic Cayouette</b>, Project Manager, Chrono Aviation <b>Peter Mortimer</b>, Executive VP Canada, Rusada</p>	
15:30-16:15	<p><b>REFRESHMENT BREAK – SOFTWARE DEMONSTRATIONS (Exhibition Hall)</b></p>	
16:15-16:45	<p><b>Case Study: FedEx Express Maintenance Planning for Today and the Future</b></p> <p>In this case study, we will hear from FedEx and how they have benefitted by the implementation of the Aerros maintenance planning program from Aerostrat.</p> <p>FedEx will focus on how the solution simplifies the maintenance planning process and allows the airline to optimize its heavy maintenance checks by using a powerful set of scenario tools ensuring each check is fully optimized before it begins.</p> <p>Once underway, FedEx planners can efficiently allocate the optimum resources to carry out the check and effortlessly manage all the data including the entire work order and all the planned versus actual data.</p> <p>Additionally, FedEx will highlight some of Aerros’ advanced features and easy-to-use tools such as auto-scheduler and how the sophisticated maintenance planning platform integrates into FedEx’s overall digital maintenance program.</p> <p><b>Roger Hutchinson</b>, Manager TechOps Mx. Planning, FedEx Express</p>	<p>16:15 – 17:15   <b>Vendor Showcase: Electronic Technical Logbook (ETL/ELB)</b></p> <p>Your chance to quickly find out about the industry’s leading Electronic Technical Logbook (ETL / ELB). Each Vendor will provide a brief 7-minute showcase of their solutions including: product overview, new customers, latest developments, 2022 outlook.</p> <p><b>Vendors presenting include:</b></p> <ol style="list-style-type: none"> <li>1. Ultramain Systems</li> <li>2. AvioBook</li> <li>3. TRAX</li> <li>4. Boeing</li> <li>5. Conduce</li> <li>6. Lufthansa Technik</li> <li>7. TrustFlight</li> </ol>
16:45-17:15	<p><b>Case Study: AAR Corp – Digital Maintenance Data Exchange between Airline and MRO, and building bespoke Apps to assist customer with real-time data and digital M&amp;E</b></p> <p>In this case study presentation AAR reveal how they solve the problem of integrating technical information and data with their airline customers’ M&amp;E systems, and provide their customers with real-time access to their aircraft maintenance status.</p> <p>You will learn why AAR are building their own suite of Apps to assist their customers with digital maintenance projects including how to manage their maintenance programs from any location, manage spare parts supplies using a dedicated App, and manage aircraft component repairs.</p> <p><b>Matthew Kammerait</b>, Vice President – Strategy, Planning, &amp; Innovation, AAR Corp</p>	


	⚙️ <b>MRO / M&amp;E IT TRACK</b> - (Main Conference Room)	✈️ <b>FLIGHT OPERATIONS IT TRACK</b> - (Workshop / Showcase room)
17:15-17:45	<p><b>Planning for a digital and sustainable future in Aircraft Maintenance</b></p> <p>Over the last 20 years there has been a revolution in the use of digital technology in aircraft design, manufacturing, operation, and sustainment. The aspect commonly called 'digital aviation', the use of data and software to increase operational performance, is an often-overlooked lever for delivering on sustainability goals within aircraft maintenance. In this presentation Cranfield University showcase examples from their new Integrated Vehicle Health Management (IVHM) Centre to explore other lesser-known examples in the maintenance and engineering domain, and they look ahead to future digital and sustainable trends, including the concept to deliver a so-called 'Conscious Aircraft' with the potential for a zero-maintenance platform utilizing aircraft sensors and real-time data, leading to lower emissions from lower fuel consumption, lower energy usage and reduced materials usage/wastage in the maintenance process.</p> <p><b>John Maggiorre</b>, Senior Advisor, Cranfield University</p>	
18:00-19:30	<p><b>COCKTAIL RECEPTION – SOFTWARE DEMONSTRATIONS (Exhibition Hall).</b></p> <div style="display: flex; align-items: center;">  <p><b>Sponsored by: Visit us on Stand E49</b></p> </div>	

### DAY TWO - WEDNESDAY 14th JUNE 2022

08:00-08:55		BREAKFAST - DELEGATE REGISTRATION - SOFTWARE DEMONSTRATIONS	
08:55-09:00	Opening Remarks: Conference Chairman		
	✈ FLIGHT OPERATIONS IT TRACK - (Main Conference Room)	⚙ MRO / M&E IT TRACK - (Workshop / Showcase Room)	
09:00-09:30	<p><b>Case Study: Coral Jet - Implementing Next-Gen Flight Connectivity, In-Flight Real-Time Communications, and Flight Data Analysis Solutions for Start-Up</b></p> <p>Coral Jet will begin operations in 2022 based out of Bermuda using a fleet of A319 and A320s. In this case study, the airline highlights how it has targeted the latest technology for enhanced connectivity and real-time communications to power pilots EFB Apps, aircraft data downloads for analysis and in-flight comms between the crew and ops control. You will learn about the challenges of starting up an airline post-pandemic and how the airline will use the advanced connectivity and communications solutions from FLYHT (AFIRS 228 and AFIRS Edge) to additionally drive efficiencies, safety and compliance across aircraft operations, from advanced flight tracking, given that most flights will be over water between Bermuda and destinations, to automated recordings and reporting of block and flight times, plus engine take-off and stable cruise reports for an engine trending program and engine and airframe exceedances for real-time FOQA. From auto collection of FOQA data and downloading post flight over 5G WQAR to power advanced flight data analysis tools, to supercharging EFB apps through A834 AID functionality, and charging EFB devices in-flight. Coral Jet will also show how the airline will use the flight data downloaded to drive an advanced Fuel Efficiency tool - FuelSense from FLYHT.</p> <p><b>Wes Gardner, Director of Flight Operations, Coral Jet</b></p>	<p>09:00-10:30 <b>Vendor Showcase: MRO / M&amp;E IT Vendor Showcase - Part 1</b></p> <p>Your chance to quickly find out about the industry leading Aviation Maintenance IT Solutions, such as major end-to-end aircraft maintenance management systems, digital technical records, digital technical documentation, data analytics, niche mobile apps and solutions, and more. Each Vendor will provide a brief 7-minute showcase of their solutions including: product overview, new customers, latest developments, 2022 outlook.</p> <p><b>Vendors presenting include:</b></p> <ol style="list-style-type: none"> <li>1. IFS</li> <li>2. Rusada</li> <li>3. TRAX</li> <li>4. Omega Airline Software</li> <li>5. KeepFlying</li> <li>6. Airbus</li> <li>7. Swiss-AS</li> <li>8. Aerosoft Systems</li> <li>9. Ramco Systems</li> <li>10. Aerostrat</li> <li>11. Lufthansa Technik</li> <li>12. AeroATeam</li> <li>13. QOCO</li> </ol>	
09:30-10:00	<p><b>Case study: Frontier Airlines - An Ultra-Low Cost Practical Approach to Flight Ops Digitisation</b></p> <p>In this case study Frontier Airlines outlines its digital transformation processes leading to a paperless flight deck. Frontier has implemented a range of EFB apps and modules from AvioBook which provide pilots with all the information they need for each flight, from the latest flight plan and weather data to real-time communications. The airline also uses a digital document and management solution to ensure Pilots have the latest up-to-date manuals they need to operate the flight safely and comply with regulations. Technical Standards Captain Casey Meeks presents the benefits the airline is seeing from digitization, along with an explanation of the phased implementation that ensured comprehensive end user buy-in.</p> <p><b>Casey Meeks, Technical Standards Captain, Frontier Airlines</b></p>		

	✈ <b>FLIGHT OPERATIONS IT TRACK</b> – (Main Conference Room)	⚙ <b>MRO / M&amp;E IT TRACK</b> – (Workshop / Showcase Room)
10:00-10:30	<p><b>Regulator Keynote: FAA EFB Policy Update</b> Kurt Stiefel, one of the FAA's policy writers for Electronic Flight Bags (EFBs), will be presenting some planned updates to FAA Advisory Circular AC 120-76. Kurt will also provide an overview of recent updates to EFB guidance for FAA Inspectors in FAA Order 8900.1 as well as answer any questions related to current and proposed FAA EFB policy.</p> <p><b>Kurt Stiefel</b>, Flight Technologies and Procedures Division, FAA</p>	
10:30-11:15	<b>REFRESHMENT BREAK – SOFTWARE DEMONSTRATIONS (Exhibition Hall)</b>	
11:15-11:45	<p><b>Case Study: Volaris – Using an Innovative Artificial Intelligence (AI) powered Fuel Efficiency Solution</b> Volaris, the leading Mexican ultra-low-cost carrier, bases its success and fast growth on having a young and efficient fleet. The rapid expansion has also incentivized Volaris to define a solid sustainability strategy. For this purpose, Volaris uses an innovative fuel efficiency solution from StorkJet. This case study will focus on the optimization of planned fuel without compromising safety, as well as advanced fuel efficiency gap analysis made by StorkJet. With the use of innovative AI fuel burn prediction models, Volaris can optimize in areas like flight planning, APU, taxi, take-off, climb, cruise, descent, approach, and landing. By simulating all feasible what-if scenarios, StorkJet was able to identify totally new, so far unknown optimization areas.</p> <p><b>Marco Antonio Charles</b>, Senior Manager Applications, Operations &amp; Fuel, Volaris</p>	<p>11:15-12:45 <b>Vendor Showcase:</b> <b>MRO / M&amp;E IT Vendor Showcase – Part 2</b> Your chance to quickly find out about the industry leading Aviation Maintenance IT Solutions, such as major end-to-end aircraft maintenance management systems, digital technical records, digital technical documentation, data analytics, niche mobile apps and solutions, and more. Each Vendor will provide a brief 7-minute showcase of their solutions including: product overview, new customers, latest developments, 2022 outlook.</p> <p><b>Vendors presenting include:</b></p> <ol style="list-style-type: none"> <li>14. M3 Solutions</li> <li>15. EmpowerMX</li> <li>16. GE Digital</li> <li>17. Ultramain Systems</li> <li>18. EXSYN</li> <li>19. ASQS</li> <li>20. Seabury Solutions</li> <li>21. Flatirons Solutions</li> <li>22. Comply365</li> <li>23. Laminaar</li> <li>24. Boeing</li> </ol>

	✈ <b>FLIGHT OPERATIONS IT TRACK</b> – (Main Conference Room)
11:45-12:15	<p><b>Case Study: VivaAerobus – Predictive Analytics to Drive Flight Efficiencies and Fuel Savings</b></p> <p>In this case study, VivaAerobus outlines its use of a sophisticated solution that utilizes predictive analytics in the Climb-out phase. As you will see the solution predicts fuel burn for tens of thousands of possible flight scenarios using performance models based on historical flight data and 4D weather forecasts, and then issues recommended climb speeds to pilots ahead of each flight to save significant amounts of fuel and reduce emissions.</p> <p><b>Paolo Cavazos Zertuche</b>, Flight Operations Engineering Manager, VivaAerobus <b>François Chazelle</b>, Head of Sales Support, SITA FOR AIRCRAFT</p>
12:15-12:45	<p><b>Case Study: SunExpress – Taking Digital Flight Ops Manuals to the Next Level</b></p> <p>During this case study, SunExpress will outline how the airline has transitioned to a more efficient, end-to-end, and streamlined process to create and deliver digital smart content and manuals to its pilots and cabin crews. As you will see, attribute-based group distribution allows pilots and cabin crews to access their role- or task-specific content using Comply365's Mobile App, which automates compliance tracking for the 3,500 users at SunExpress. It also equips frontline employees with electronic forms to send data to the operations staff, to enable data-driven decisions. The case study will explain how their team, already experienced in XML, was able to quickly migrate 700 manuals into Comply365's ProAuthor solution in 15 days to manage the end-to-end authoring and distribution process. The project drivers, implementation approach and operational benefits will also be discussed.</p> <p><b>Mehmet Dinç</b>, Documentation Center, SunExpress</p>
12:45-14:00	<p><b>LUNCH – SOFTWARE DEMONSTRATIONS (Exhibition Hall). Sponsored by:</b>  <b>Visit us on Stand E48</b></p>
14:00-14:30	<p><b>EFB Latest Developments, and What's Next?</b></p> <p>The Electronic Flight Bag (EFB), was at the forefront of digital transformation within aviation. Now that EFB is an established technology and used by the majority of airlines, how are EFBs evolving within the next wave of digital transformation projects? What are the latest developments? How does the EFB fit into the overall IT landscape of an airline – stand-alone or now part of a wider technology platform? What's next for EFB, and will the technology be used within the next great industry disrupter: eVTOLs / Drones?</p> <p>In this presentation, all these questions will be addressed, including looking at integrating the EFB with other systems, such as automatic fetching of QAR data and sending to the back-office system and/or service providers like L3 Harris /Flight Data Systems. As most EFBs now are connected both on the ground and in the air, the vital aspect of Cyber Security within the EFB environment will also be discussed.</p> <p><b>Klaus Olsen</b>, EFB Admin Services</p>
14:30-15:00	<p><b>Next Generation Air Operations: The next great disrupter in Aviation – what Technology will be used to manage operations?</b></p> <p>In this presentation you will see an overview of the current RPAS /eVTOL / Drone / UAV market and an outline of how this new technology will be integrated into the current manned aviation environment. The presentation focuses on the technology used to manage operations and what technologies will these new aircraft use – the same or similar systems for maintenance and flight operations? Will traditional flight systems such as EFBs, Flight Planning Systems, etc be used and how will they integrate with current manned aviation and air traffic management operations and systems?</p> <p><b>Steve Bogie</b>, Partner, AeroATeam</p>

	✈ <b>FLIGHT OPERATIONS IT TRACK</b> – (Main Conference Room)
15:00-15:30	<p><b>Case Study: Eastern Airlines – The Challenges and Importance of Safety Management and Selecting a Solution to Manage the Process</b></p> <p>In this case study, Eastern Airlines outline the challenges of the traditional safety management processes with different airline units involved using different data sets and formats. The airline explain why they have chosen to use a sophisticated safety management software suite to manage the process. The solution critically integrates all Safety, Quality, Risk Management, and Documentation data into one system, and is flexible to adapt and develop according to future requirements.</p> <p>The presentation will cover the selection process and the criteria and functions required for the solution, and a look at the selected system – IQSMS from ASQS. Next you will learn about the problems Eastern is trying to solve by selecting and implementing IQSMS. Finally, you will hear about the latest developments in Safety Management solutions from ASQS and what's next.</p> <p><b>Doug Neufeldt</b>, Senior Director, Safety &amp; Security, Eastern Airlines <b>Michael Kosch</b>, Key Account Manager ASQS</p>
15:30-16:00	<b>REFRESHMENT BREAK – SOFTWARE DEMONSTRATIONS (Exhibition Hall)</b>
<b>Prize Draw Session Win an iPad</b>	 <p><b>Business cards will be collected at the beginning of this session.</b></p> <p><b>The prize draw will be made at the end of the second presentation.</b></p> <p><b>You have to be in the room to win the iPad – Good luck!</b></p>
16:00-16:30	<p><b>The Future of Safety Management Data</b></p> <p>Safety Management and Digital Transformation aren't subjects that instinctively go hand in hand. Many Safety Professionals are second-class citizens when it comes to tapping into the latest data resources and capabilities. Revenue-generating initiatives tend to have a priority, having more evident returns on investment compared to those promoting a positive safety culture. How can advancements in data science, data engineering, and data analytics make airlines and maintenance providers safer and more profitable? What are the data technology trends that are going to reshape safety management in the future? In this talk, Paul Saunders brings out his crystal ball and triangulates the current technological trajectory to show what Safety Management in the 2030s might look like, and how we might build digital transformation business cases for the less sexy side of our industry.</p> <p><b>Paul Saunders</b>, Solutions Director, Vistair</p>
16:30-17:00	<p><b>Fuel Efficiency Myth Busters – Using what-if-scenarios with data-driven AI models</b></p> <p>How to find real saving opportunities and on what areas should I focus? This simple question is being asked by everyone in flight ops divisions across the aviation market. However, these days, with available software on the market, a solution is not so easy to find. Because of that, there are popular beliefs which are far from true. During the presentation StorkJet will take a closer look at two exemplary initiatives:</p> <ol style="list-style-type: none"> <li>1. Is Single Engine Taxi as beneficial as everyone says?</li> <li>2. Is optimization of descent not possible because of ATC restrictions? Or is it the area with the highest saving potential?</li> </ol> <p>All these questions can be answered by simulating what-if-scenarios with data-driven AI models. As a result, fuel managers can focus on the most beneficial areas and do not waste time on actions that do not bring results.</p> <p><b>Emil Kaptur</b>, PhD, Head of Research and Development, StorkJet</p>
17:00	<b>END OF CONFERENCE</b>





### Carbon Neutral Event

Aircraft Commerce is proud to team up with our partners Conference Care and their Carbon Consulting team to deliver our first carbon neutral event.

#### How it works

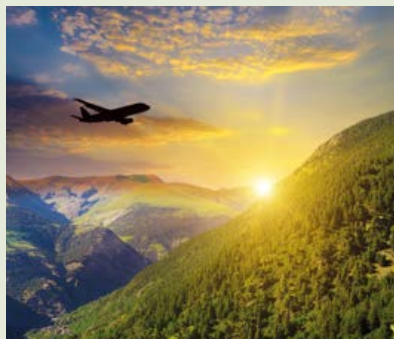
We'll be using the Conference Care online Carbon Calculator to work-out the travel, accommodation and catering needs for the upcoming conference. The Carbon Calculator will be sent to all delegates to enter their travel plans and only takes a few minutes to complete. This information then enables Conference Care to work us, the event organiser to measure the overall carbon footprint of the event, offer advice on how to reduce this footprint and offset any remaining carbon tonnage of the event.

#### Carbon Offset Programs

We offset the carbon emissions associated with the conference by supporting projects which provide clean, renewable energy to the grid in India & Vietnam, supply innovative efficient cooking technologies to rural communities in Guatemala, treat wastewater & provide clean biogas for industry in Thailand, and help to protect the precious Amazon Rainforest against illegal deforestation in Brazil. As well as this, Conference Care will also be planting a tree right here in the UK for every 10 tonnes of carbon emissions that we offset.

#### Example Programs Include:

- 1. UK tree planting and protecting the Amazon** – UK and Brazil  
This project provides an opportunity to plant trees in the UK whilst also helping to protect the Amazon Rainforest
- 2. ONIL Improved Cooking Stoves** – Guatemala  
The ONIL Stove is a fuel-efficient stove that reduces the amount of firewood required by households by up to 58%, and results in lower emissions based on its construction. Since a very high proportion of fuel wood comes from non-renewable sources, this translates directly into reduced emission reductions from non-renewable extraction of wood. A single ONIL Stove will save between 3-4 tons of CO<sub>2</sub>e per year.



#### 3. Pacajai REDD+ Project

 – Brazil

This project is working to prevent unplanned deforestation in native forests, which has occurred due to logging, squatting and attempts to implement pastures.

#### 4. Solar power project

 – Vietnam

The project involves the installation and operation of Srepok 1 solar power plant with peak capacity of 50 MW. This project is located in Village 9, Ea Wer commune, Buon Don district, Dak Lak province, Viet Nam. The purpose of this project is to generate clean form of electricity through renewable solar energy source. The net electricity generated from this project (annual estimated electricity output is 75,606 MWh) is supplied to the national grid via the transmission line. The Srepok 1 solar power plant will use Polycrystalline panels to recover solar radiation. Polycrystalline modules are the most commonly used technology in commercial and industrial solar projects. Solar panels used in the project are imported from China, with a lifespan of 25 years.

#### 5. Biogas wastewater treatment and biogas utilisation project

 – Thailand

This project captures methane at a Thai starch plant using two closed anaerobic wastewater treatment facilities and converts the gas into energy, partially replacing the need for fossil fuel consumption. The project has a twofold effect: it prevents methane from harming the climate and avoids thousands of tonnes of fossil fuel being burnt per year.

#### 6. 199.70 MW Wind Project in Maharashtra by BWDPL

 – India

The main purpose of this project activity is to generate a clean form of electricity through renewable wind energy source. Bothe Windfarm Development Pvt. Ltd. is the promoter of the proposed project activity. The Project has 40 Wind Turbines of individual capacity 2MW each and 57 Wind Turbines of individual capacity 2.1 MW each in Maharashtra state of India. The total project capacity is 199.7 MW.



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*"An excellent event. It was fantastic to meet with people who are at different points in a M&E selection, implementation and online process. So much knowledge in one spot"*

**Transport Canada**

*"The value of this meeting was the focus and relevance of the topics to issue affecting commercial aviation at the present time"*

**US Airways**

*"Very good for networking and offers a broad prospective on the market. Flawlessly organised"*

**Boeing**

*"Excellent. I found the conference to be very informative and relevant. The contacts we've made will likely prove very useful in improving the operations of US Airways"*

**Operations Manager, LAN Airlines**

*"The fact that all the major MRO IT software companies have been gathered together helped a lot of airlines and MROs that are looking for new maintenance software. The quality and the content of the presentations surpassed my expectations"*

**TAM Brazilian Airlines**

*"Enlightening and extremely informative event"*

**Engineering Data Specialist, Royal Air Maroc**

*"Very good - a nice balance between workshops, case studies and vendor sales activities. Also a very useful networking opportunity. I feel I learned about the vendors current software solutions and common issues problems in the MRO world."*

**Virgin Atlantic Airways**