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Fall 2024

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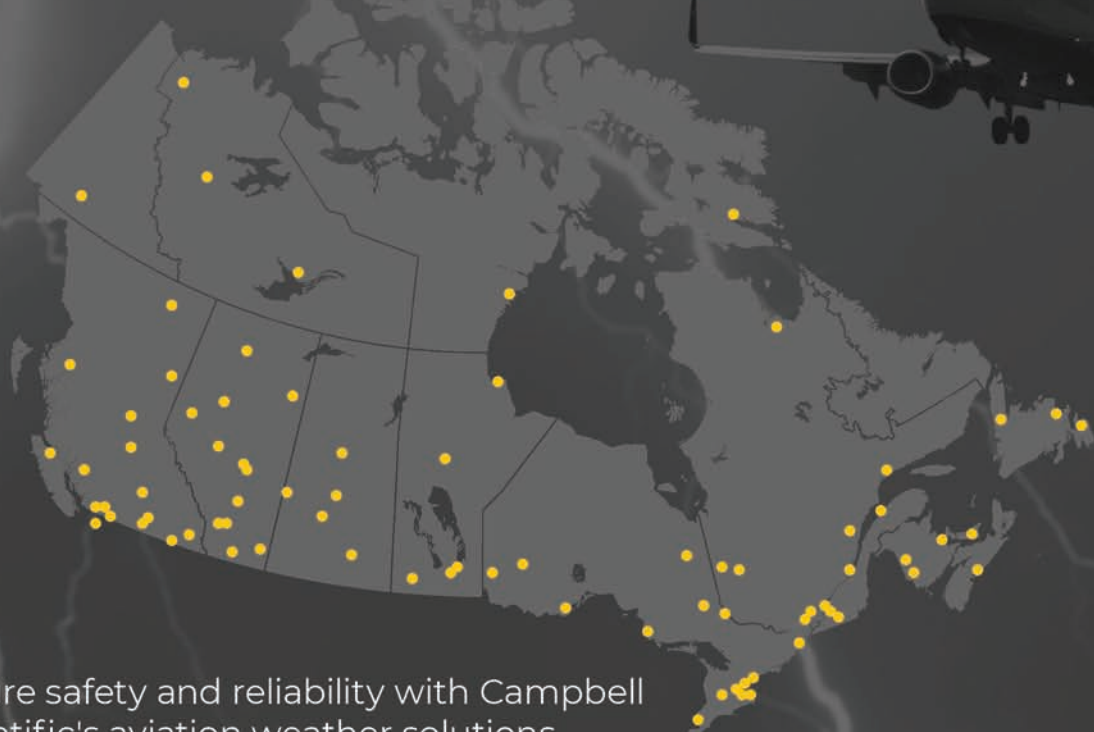
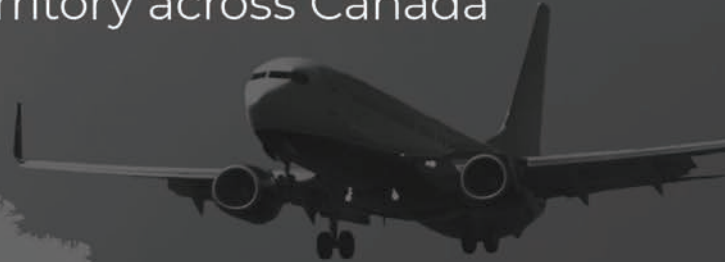




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With over 20 courses offered annually and a professional accreditation program available, IAAE Canada's training program offers you the opportunity to explore what's next.

Be inspired to earn your A.A.E. or A.A.P. Be proactive and stay current with your certifications, as over 1,800 have done throughout the last 25 years.

This calendar is only the start of our efforts to meet your training needs. If you don't see a course you're interested in, not a problem! Every year, IAAE Canada organizes courses outside of the published calendar. In fact, 60 per cent of IAAE Canada courses are the result of an inquiry during the year. If you have a specific need, call or e-mail us, and we will take care of the rest.



Terry Bos, A.A.E.
Chairman, IAAE Canada

Thoughts from IAAE Canada's Chairman A Celebration of Milestones and Success

What a celebration of IAAE Canada's 30th anniversary that was! The game show was a great event, with lots and lots of laughs. I would like to thank Shawn Sutherland for joining the group to recognize the 30th anniversary, sharing stories from the beginning and cutting the cake for us. It is people like Shawn who make IAAE Canada great – thank-you, Shawn!

FOAM was also a magnificent event, with great speakers, excellent topics, and some successful accreditation work in both interviews and presentations. To everyone who contributed to the conference in some way, thank you. It would take the entire magazine to name you all, but I would like to highlight a few people.

Thank you to the FOAM committee for all their hard work in putting together a wonderful event. I also give a huge thank you to the Regina International Airport team, who provided an amazing welcome. Thank you to the knowledgeable local speakers, and to our staff, Michelle and Julia, and the countless hours they put in before and during the event to make it the success it was – we could not have pulled it off without you.

Like we announced at the FOAM conference, we look forward to seeing you all in Halifax in 2025!

As we continue through the fall and winter, I want to wish you all the best of luck in the seasons ahead. If you require any training, please look toward IAAE Canada, and hopefully we can meet what you require.

Wishing you all the best!



As we continue through the fall and winter, I want to wish you all the best of luck in the seasons ahead. If you require any training, please look toward IAAE Canada, and hopefully we can meet what you require

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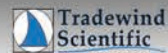
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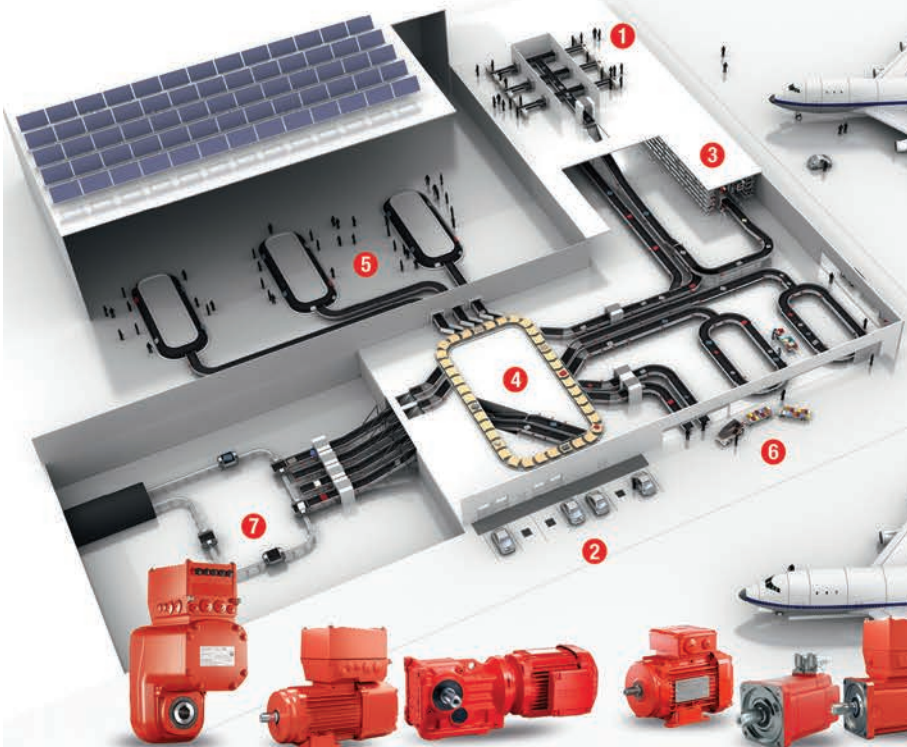
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A Message from IAAE Canada's Executive Director A Heartfelt Thank You

On behalf of the IAAE Canada staff and Board of Directors, I extend a big thank you to all of the delegates, speakers, exhibitors, and sponsors for making our 15th Annual FOAM Conference a great success. We are incredibly grateful to have had the opportunity to celebrate 30 years of IAAE Canada with all of you and look forward to a robust future and the opportunity to continue to serve our industry. The 30th anniversary celebrations were well enjoyed by all and were the ideal way to mark the occasion.

In May 2025, we'll be holding the 16th Annual FOAM Conference in Halifax. Our host, the Halifax International Airport, and their staff have already shared their enthusiasm and demonstrated that famous East Coast hospitality. It's been many years since our conference visited Nova Scotia, and we are delighted to be returning. The staff and committee are working hard and planning another fantastic event with the topics and presentations that matter most to the industry. The connections, networking, and celebrations will be memorable. We are really looking forward to seeing you all there.

With the pandemic behind us, we are very pleased to see that our accreditation programs – the Accredited Airport Executive (A.A.E.) and the Accredited Airport Professional (A.A.P.) – are soaring once again. We have over 120 accredited members, and the numbers are growing. It is a great achievement

We have over 120 accredited members, and the numbers are growing.

for these folks, and we are grateful to all of them for their support of both our accreditation candidates and IAAE Canada. The A.A.E. and A.A.P. designations are internationally recognized as the marks of an airport professional. Reach out to us if you're interested in more information. ✈

Michelle M. Cretman
Executive Director, IAAE Canada

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A.A.E. and A.A.P. ... The Marks of the Airport Professional!



The Accredited Airport Executive (A.A.E.) and the Accredited

Airport Professional (A.A.P.) designations are a distinction of an individual's breadth, knowledge, and ability in the Canadian aviation industry. They are also recognized internationally as a global standard of excellence.

The program is open to members of IAAE Canada, and there are two streams:

- 1) The Accredited Airport Executive (A.A.E.) is for current airport personnel; and
- 2) The Accredited Airport Professional (A.A.P.) is available to aviation industry personnel.

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THE TOP FIVE REASONS MEMBERS JOIN:

1. Industry-approved **training programs**.
2. **Networking** opportunities with industry peers.
3. Accreditation programs for **A.A.E. and A.A.P. designations**.
4. Access to the IAAE Canada **e-Report and Airport Magazine**.
5. **Member discounts** on meetings, products and services.

ACCREDITATION PROGRAMS FOR A.A.E. AND A.A.P.

Obtaining an IAAE Canada designation is a great way to command respect in the airport industry. Since 1994, IAAE Canada has been committed to the advancement of aviation professionals by granting certified designations to individuals who demonstrate an ability to handle the challenges and responsibilities of airport management. The program is open to members of IAAE Canada and there are two streams:

1. The Accredited Airport Executive (A.A.E.) is for current airport members; and
2. The Accredited Airport Professional (A.A.P) is available to current industry and corporate members.

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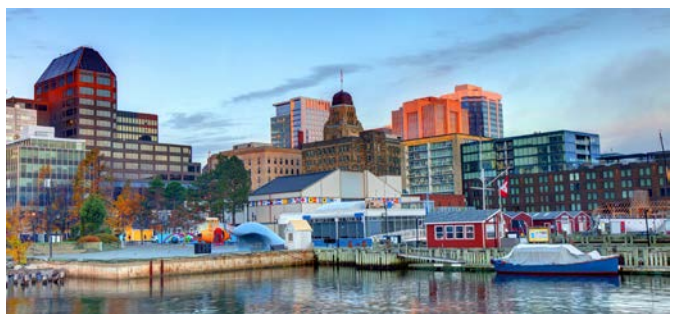


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Mark your Calendars!
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May 2025 in Halifax, NS



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Don't miss out!

“Excellent conference. Well organized, great group of people, and engaging presenters and discussion.”

— **Hana Galal, Airbiz Aviation Strategies**

“The Conference was exceptional. Seamless organization, diversity of relevant topics, an amazing opportunity to learn new information and reconnect with industry experts and colleagues. Big thanks to the IAAE leadership team for hosting an incredible event!”

— **Don Goulard AAE, Nanaimo Airport Commission**

Details will be available at www.iaaecanada.org



Fortbrand Services

Discussion with Carlton Braley Jr. A.A.E About Advanced Airport Maintenance Solutions

By Amanda Martinelli, Move Optics



In the fast-paced world of aviation, efficiency, safety, and reliability are paramount. Fortbrand Services, LLC has been at the forefront of providing comprehensive Airport Maintenance Equipment (AME) and Ground Support Equipment (GSE) to the aviation industry, ensuring airports operate smoothly and safely regardless of the conditions.

Today, we are excited to share a quick Q&A with **Carlton Braley Jr., A.A.E, Senior Vice President**, to discuss his transition to Fortbrand Services and the impact of their advanced solutions on the aviation industry.

Carlton, after 27 years at Manchester Boston Regional Airport, what motivated you to join Fortbrand Services?

Carlton Braley: I wanted to work with a company that leads in innovation and reliability in airport maintenance equipment. Fortbrand's reputation for excellence and commitment to enhancing airport operations made it an easy choice.

How does Fortbrand Services support airport operations?

Carlton Braley: Fortbrand Services, headquartered in Plainview, NY, has established itself as a leader in delivering innovative and reliable equipment designed to meet the rigorous demands of modern airports. We offer a comprehensive range of high-quality AME and GSE that ensure airports operate efficiently and safely.

Highlighting some key products in our catalog:



➔ **Vammas PSB 5500 MTE**



The Vammas PSB 5500 is a high-capacity, multi-tasking snow removal machine. It includes a 30-foot plow, a 22-foot broom, and a rear air blast system, making it highly effective for high-speed airfield snow removal.

The PSB 5500 has air ride suspension and articulating steering with a working speed of up to 40 mph. Manufactured in North America, Vammas ensures top-quality performance.

➔ **Vammas STSB 5500**



The Vammas STSB 5500 combines the functionalities of a snow tractor and a sweeper-air blower. It includes a quick attach plow and a transporting broom.

This versatile equipment boasts a 30' plow, a 22' broom, and a rear air blast system, enhancing snow removal efficiency and minimizing runway occupancy times. Built in North America, Vammas ensures top-quality performance.

➔ **Vammas B750 High Speed/High-Capacity Snow Blower**



Featuring a > 7500 T/H clearing capacity, triple Volvo Penta engines, and a casting distance of >150 feet, the Vammas B750 is essential for maintaining runway safety during heavy snowfall.

The B750 was specifically designed and built to operate at 40 mph to complement the high-speed operations of the PSB and STSB. It is built in North America and boasts reliable performance in the toughest winter conditions.

➔ **Wille 875 Delta MTE**



The Wille 875 is a versatile four-season machine. In the MTE configuration, the 875 includes a front-mounted plow, rear-mounted snow broom, and/or solid material spreader, liquid material spreader, and cold air blower.

Its robust design and powerful performance make it ideal for comprehensive airport maintenance tasks throughout the year. Wille North America's equipment, built in North America, serves airports of all sizes.

➔ **Bucher Sweeper Line, including airport-specific V95t Aero**



The Bucher V95t Aero is renowned for its high-speed runway sweeping capabilities and efficient glycol recovery system. With a 9.5 m³ hopper capacity, a 99" swept width, and a payload of over 11000 lbs., this machine excels in debris removal and runway cleaning.

Built in North America, it meets the highest standards of quality and reliability.

➔ **Tyler Ice Deicing Trucks**



The Tyler Ice Deicer Trucks combines durability with advanced deicing technology to ensure safe airport surfaces. Manufactured in North America, it meets the demanding conditions of airport operations.

➔ **Grizzly Cold Air Blower**



The Grizzly Cold Air Blower is a snow and debris-clearing powerhouse. Its high-performance blower system ensures that runways and taxiways remain free of obstructions, enhancing safety and efficiency.

➔ **Epoke Bulk Spreader**



The Epoke Bulk Spreader is designed to efficiently spread deicing materials to the full width of the runway. Its precise distribution system ensures optimal coverage and minimal waste.

➔ **Deicing Trailers**



The deicing trailers offer a portable solution for deicing operations. This trailer provides flexibility and efficiency in deicing tasks, equipped with advanced spraying systems and ample storage for deicing materials.

Why does Fortbrand Services partner with the OEMs that it does?

Carlton Braley: At Fortbrand Services, we partner with manufacturers who are leaders in innovation, quality, and reliability. Our OEM partners meet the rigorous demands of Canadian winters, ensuring continuous and safe airport operations. They offer cutting-edge solutions that enhance operational efficiency and reduce downtime. Our strong personal relationships with industry-leading OEMs ensure we provide the highest quality and most reliable equipment. We also prioritize a customer-centric approach, working closely with our clients to understand their unique needs and provide tailored solutions. Our eGSE solutions and energy-efficient equipment help airports reduce their carbon footprint and promote greener operations.

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Canadian Airports Celebrate Inaugural National Airport Workers Day



Canadian Airports Award Recipients for 2024 include (from left) Leanna Anderson (Operational Excellence) from Halifax Stanfield International Airport, standing next to Joyce Carter, President and CEO; Alistair Stewart (Industry Champion) from Air Canada at Toronto Pearson Airport; and Marcos Zambrano (Environmental Steward) from Toronto Pearson Airport.

By Monette Pasher, President, Canadian Airports Council

Airport Workers Day marked its inaugural celebration on June 26th, 2024. This day was an opportunity to highlight the collective efforts of the airport workforce and shine a spotlight on the diverse roles within the airport ecosystem. Airports across the country organized a variety of events and initiatives to express gratitude and recognize the contributions of their employees with award ceremonies and employee appreciation days. These celebrations fostered a sense of camaraderie and highlighted the importance of each and every role within the airport community.

A cornerstone of Airport Workers Day was the introduction of Canada's Airports National Awards. These awards recognized exceptional contributions from airport employees across the country. Five categories were established to highlight diverse achievements of employees:

- **Environmental Steward:** Marcos Zambrano from Toronto Pearson Airport was honoured for his dedication to sustainability and environmental protection within the airport sector.
- **Outstanding Service:** Emily Parsons from Vancouver International Airport

was recognized as an employee who consistently delivers exceptional customer service.

- **Operational Excellence:** Leanna Anderson from Halifax-Stanfield International Airport was celebrated as an employee who exemplifies efficiency and innovation in airport operations.
- **Outstanding Leadership:** Adam Lo Bianco from Fort McMurray International Airport was acknowledged as a leader who inspires and motivates his team to achieve exceptional results.

- **Industry Champion:** Alistair Stewart from Air Canada at Toronto Pearson Airport was recognized for making significant contributions to the advancement of the aviation industry over his more than 25-year career.

COMMUNITY ECONOMIC ENGINES

Airports are more than just transportation hubs; they are vital engines of commerce and connectivity. From the moment a passenger steps foot in the terminal to the time their aircraft lifts off, a complex network of professionals collaborate to ensure a safe and smooth operation.

Beyond facilitating passenger travel, airports serve as critical hubs for global trade and commerce. They play an indispensable role in moving cargo, perishables, products, and raw materials across vast distances with speed and efficiency. From fresh produce to high-tech components, the value to Canadians of goods transported through airports is immeasurable.

Our airports are natural engines of economic development and enablers of global connectivity for our cities and communities, generating thousands of jobs every year across



Vancouver Airport Authority President and CEO Tamara Vrooman (left) with Emily Parsons, recipient of the Outstanding Service award for 2024.

economic sectors, from logistics to aircraft maintenance, repair, and overhaul, and tourism.

Airport workers, often behind the scenes, are instrumental in ensuring the seamless flow of these goods. Cargo handlers, customs agents, and logistics specialists collaborate to process

shipments accurately and expeditiously. Their expertise contributes directly to the success of businesses and industries worldwide.

Canada's aviation sector faces significant workforce challenges including a shortage of skilled workers in critical roles such as pilots, air


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These celebrations fostered a sense of camaraderie and highlighted the importance of each and every role within the airport community.



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traffic controllers, and maintenance technicians. By drawing attention to the diverse roles and careers that comprise the workforce, Airport Workers Day was an opportunity to showcase the many opportunities available for those seeking meaningful employment in a dynamic environment.

Canadian airports are creating direct and indirect employment in and around their respective communities. Prior to the COVID-19 pandemic, our airports were directly responsible for 194,000 jobs, supported \$13 billion in wages and had contributed \$19 billion to Canada's gross domestic product.

Airport workers contribute in countless ways to make airports the economic powerhouses they are, generating billions of dollars in revenue and keeping Canadians connected. At the heart of these bustling hubs is a dedicated workforce. From the pilots who safely navigate the skies to the baggage handlers who ensure luggage arrives at its destination, airport workers form an intricate network essential to the smooth operation of any aviation system.

In a country as geographically wide and sparse as Canada, air travel provides the vital connectivity needed for our society to function – not just our business economy but our essential goods, services, and the health and safety of our society.

Airports are essential for linking the country's expansive and diverse regions, promoting economic development, stimulating tourism, and ensuring that even the most remote communities have access to essential services and economic opportunities.

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As head of the Canadian Airports Council, Monette Pasher represents 100 airports across the country. In this role, she works with Canada's airports, airlines, government, industry partners, and other stakeholders to improve the air passenger experience and create opportunities for travel and trade.

As an industry advocate and leader for the past 20 years, Pasher possesses extensive knowledge of Canada's airports and policy landscape. She brings a wealth of experience in government and media relations, strategic planning, aviation, and tourism.

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YVR's Innovative Approach to Applying Data, Simulation, and AI



By Ray Yu, Manager of Airport Systems Design, Vancouver Airport Authority

The future of a highly efficient and exceptional airport experience hinges on the strategic harnessing of data. Many organizations in the aviation industry have already begun leveraging data and AI algorithms to enhance decision-making, predict outcomes, and automate tasks, all to improve efficiency and the passenger experience across various domains.

The Airport System Design team at Vancouver International Airport (YVR) is a data-driven team charged with informing airport capacity management and planning. Our goal is to deliver cost-effective solutions that optimize the use of airport assets, while delivering desired service levels, all of which are instrumental to meeting YVR's purpose – to serve our community and the economy that supports it. This article highlights the four main activities that underpin our daily work that leverage data and AI.

1. ANALYSIS

The aviation industry operates in a data-rich environment. On the airfield, positional coordinates of aircraft and vehicle movement are transmitted every few seconds. Inside the terminal, passengers and their checked luggage

are monitored along the journey through our airport. At YVR, we safely, securely, and thoughtfully pool operational data into a data

lake. This allows analysts to draw insights to optimize system performance and enhance the customer experience.



The new Microsoft technology stack, including Azure, Databricks and Power BI, deployed at YVR provides the foundational data infrastructure that enables our analytical work. Utilizing Databricks, the team can quickly parse and query through semi-structured operational data, stitching together passenger, baggage, and aircraft data to paint the complete end-to-end picture of how our infrastructure is used every day.

Once the historical database is established, we collaborate with our in-house Data Science team to train machine learning models that estimate future demand. This foundational work will then inform our decisions on operational concepts and infrastructure development.

2. EXPLORATION

We experiment and explore new operational concepts and configurations to optimize the airport journey for passengers. By leveraging simulation models, this can be done cost effectively while maintaining an integrated view across the entire airport ecosystem. This enables us to understand the interdependencies, optimize flow, and mitigate overall risks across the entire airport system.

Over a decade ago, YVR invested in developing a comprehensive simulation model, in-house. With this specialized technology and accompanying skillset within our teams, we can evaluate our airport system and retain expertise, helping us avoid the pitfalls of beginner's syndrome on large complex systems, such as airports. This model has consistently demonstrated its value as a cost-effective tool, providing a data-driven perspective to our decision-making.

This model helped guide YVR through key decisions, such as aiding the development of business cases for self-serve check-in, Primary Inspection Kiosks layout design, baggage system upgrades, and taxiway concept evaluations. In 2023, the team further enhanced the model's capabilities, enabling it to produce accurate forecasts to support proactive operational planning on a weekly basis. This was made possible as we automated large portions of the input and output analysis through closer integration with the operational data models.

With machine learning forecasting passenger demands, we're able to create detailed load files of future scenarios and run through our simulation models to quantify flow, process queues, identify influencing factors, and highlight the bottlenecks or gaps in all aspects of our operation.

Taking a customer-first approach, the System Design Team is preparing for the next evolution

of our simulation model – transitioning from a process-centric discrete-event model to a customer-centric agent-based model. This shift, in collaboration with other customer-facing YVR teams, will leverage our detailed customer segmentation analysis to incorporate various customer behaviours into the simulation model. This means the model will also provide actionable insights into retail, food and beverage, and staff placement, building on our excellent foundation of predictable terminal processors. By allowing simulated customers to interact freely with the entire digital airport environment, we can expand the model's scope from enhancing passenger

process to optimizing terminal design with a focus on improving the overall passenger experience.

3. DATA STORYTELLING

By analyzing data and exploring new concepts with our modelling tools, we aim to identify challenges and recommend strategic opportunities to the organization. This must be done in a clear and concise manner using trusted data that is validated and agreed upon with the Operations teams. This ensures collaborative decision-making across all business units, resulting in beneficial change that is sustained. Unlike our team, most of the



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organization may not have the time to delve deeply into the data, and often the available data doesn't provide a complete picture. In such cases, we leverage our operational expertise to complement the quantitative data with qualitative insights.

The System Design Team excels not only in data analysis but also as operational subject matter experts. Our strength lies in translating business needs and domain knowledge into data and analytics requirements. Embedded within the Operations business unit, we handle historical performance reporting and provide

real-time analytics support, working closely with front-line teams. This interaction often involves detailed data validation, which helps uncover institutional knowledge and create a comprehensive narrative that paves the way for further automation opportunities.

This iterative process of sharing and learning drives agile innovation in a rapidly changing operating environment. In aviation, where success traditionally relies on expert knowledge, we focus on minimizing disruption and maximizing value for end-users. By working backward from desired impacts and identifying tasks to optimize,

we find it easier to define the necessary outputs for the services and tools we develop.

4. DATA TOOLS AND PRODUCTS

Innovation must be a shared ideal across the organization. The System Design Team contributes to building the innovative culture at YVR by developing data tools and data products that make people's lives easier. One example is the Passenger Demand Data Model, which was created to streamline the repetitive and tedious task of integrating data from multiple sources to generate historical passenger counts. During COVID-19, frequent changes in flight schedules made it crucial to report total passenger numbers in order to adapt operations to rapidly shifting demand. However, generating these passenger counts became unsustainable. In response, we developed a data model that integrates all passenger data sources into a single, reliable database. This model combines data from the Canadian Air Transport Security Authority (CATSA), flight schedules, and baggage systems to provide a comprehensive depository of total passenger counts and connection numbers by sector, airline, and flight.

This tool significantly reduced the manual efforts needed for data analysis, but more importantly, it serves as the single source of validated truth that the organization can use to solve complex problems in our complex industry. The success of this data tool also inspired the development of our machine learning model, which is training on historical data to forecast for operational planning with a high degree of accuracy.

We have also developed the Baggage Data Model and the Aircraft Journey Model. Similar to the Passenger Demand Model, these new models track and forecast baggage and aircraft demand, respectively, to enhance operational planning.

When it comes to AI applications, Expert Systems is emerging as an interesting option to meet airport operators' needs. The airport environment is complex, filled with issues that require immediate resolution, and highly regulated, with explicit rules that must be followed. We require a system to assist in decision-making and reduce response times when challenging issues arise. This would ensure top-notch service delivery, maximize operating margins, and preserve yield.

Traditionally, we have relied on the expertise of airport professionals to assess situations and devise solutions quickly. However, as

regulations rapidly evolve and traffic grows, decision-making cycles are becoming more mentally demanding for individuals. Currently, airports manage these challenges with complex operating procedures and large teams of specially trained professionals, however a more scalable solution exists. An Expert System would leverage the expertise of airport professionals to make decisions quickly and accurately, while taking all complexities logically into account. One example would be the application we're developing on the YVR Digital Twin platform – a virtual, real-time interactive representation of YVR's terminal and airfield, as well as Sea Island and Musqueam lands.

Under YVR's Strategic Plan, one of the focus areas for our Operations team is improving visibility of our live operations to leverage real-time data sources, creating a precise and comprehensive snapshot of our operations. To achieve this goal, the broader YVR team conceptualized a YVR Digital Twin application that combines machine learning analytics, Internet of Things (IoT) sensors, and human oversight. This tool provides a real-time view and critical context for staff in our Integrated Operations Centre, ultimately, optimizing operational performance by reducing the time required to make timely decisions. This initiative has been made possible through the close collaboration with the YVR Flow Management Team alongside members of the Enterprise Advanced Analytics and Digital Twin Teams.

A FOUNDATION FOR THE FUTURE

Although there is still much work ahead, the critical step of leverage data and AI across our operations sets the foundation for future operational transformation. The effective application of data analytics and AI will continue to enable YVR to make informed long-term decisions to meet future demands while enhancing real-time decision-making, increasing the value provided to customers, and improving overall efficiency and safety.

Being data-driven is no longer an option; it is a strategic imperative to position airports at the forefront of the industry and ensure we deliver exceptional service and achieve operational excellence.

Ray Yu is the Manager of Airport Systems Design at the Vancouver Airport Authority. He is an industrial/mechanical engineer with 10 years of experience in resolving challenges in fast-paced, 24-7 operational enterprises amidst cyclical markets.

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Randy Chessie, A.A.E.

Manager of Operations at Fredericton International Airport

Randy Chessie's career has been a bit of a full-circle story.

His father and grandfather are both pilots, and growing up, his dad would often take him flying.

"On weekends, my dad would ask me, 'Do you want to jump in the plane and go get breakfast?' So we'd fly into the Fredericton airport, land, and go in to have breakfast at the terminal, then jump back in the plane and fly home," Chessie recalls.

They'd even do grounds maintenance at the airstrip where his father kept his plane, by maintaining visual aids, trimming bushes, and overall taking care of the place.

As much as he always loved aviation, he didn't think working as a pilot would be a good fit. There were limited pilot positions in New Brunswick, and Chessie didn't want to move away from his home province to pursue his career.

Instead, he became an electrician. He worked a few different jobs in the field before making the switch to work as a telecommunications lineman.

In 2018, he was ready for another change and again looked into electrician positions. There was an opening for an airport electrician, and he was excited about it right away, thinking back to his dream of working at an airport as a pilot.

A few weeks later, he started as an airport electrician at the Fredericton International Airport.

A couple years after working in the position, the COVID-19 pandemic began. Unfortunately, some people had to be let go, requiring those who were still working, including Chessie, to wear many different hats at the airport. In addition to being an electrician, he plowed runways, took aircraft fire and rescue training, and worked in building maintenance, to name a few roles.

"Bouncing around all different areas of the airport allowed me to gain a lot of experience and knowledge of the facility," Chessie says. "This may have piqued some interest in management."

Chessie was approached and asked if he was interested in the Manager of Operations position.

He really loved his current job so he was having a tough time making a decision. He called up his father, someone he often turns to for advice.

"It's difficult to make these big decisions in life without consulting someone," Chessie says. "Consult the people you trust for solid advice. Rely on your peers, rely on your mentors."

In the conversation, his father asked him how long he had been working in the trades.

"I told him 13 years. Then he asked me how many times I've had an opportunity to go into management, which was none," Chessie recalls. "He then said, 'Who says it won't be another 13 until you get that chance again?' And so I decided to take it, and the rest is history."

In 2021, Chessie became the Manager of Operations at Fredericton International Airport. In his role, he oversees all airside and groundside operations as well as manages the maintenance of all airport infrastructure — doing what he did when he was a kid at his father's airstrip but on a much bigger scale.

Chessie joined IAAE Canada and earned the Accredited Airport Executive (A.A.E.) designation to further his advancement in the industry.

"I've met so many industry experts and so many really knowledgeable and experienced individuals I wouldn't have met if I hadn't joined IAAE Canada, and specifically if I hadn't attended the Accreditation Academy," Chessie says. "The accreditation program kick-started the growth in my network."

Throughout the accreditation program, Chessie was assigned a couple of mentors who had decades of experience.



"I was like a sponge, trying to soak up every bit of knowledge I could," he says.

While Chessie's aviation career path might not be what he expected when he was younger, he's glad to be in the industry.

Chessie is a self-proclaimed aviation nerd, with aviation as both a career and a hobby.

In addition to taking flying lessons and aspiring to get his private pilot licence one day, he has many years of experience flying remote control airplanes. He also jumps into an aircraft to go for a fly at every opportunity he gets.

"I'm still very passionate about aviation, even though I chose not to get into it as a career right away. Growing up around it that much, spending time around airplanes, going flying, attending air shows — I'll never lose my passion for aviation," Chessie says. "I love the airport world, and I wake up every day looking forward to going to my job." ✈

"Consult the people you trust for solid advice. Rely on your peers, rely on your mentors."
— Randy Chessie




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Vanderlande focuses on the optimization of customers' business processes and competitive positions. Through close cooperation, the company strives for the improvement of clients' operational activities and the expansion of their logistical achievements.

"At Vanderlande, our success is built on strong partnerships with clients," says Art Masri, Director of Sales, APS. "We adopt a customer-centric approach by closely collaborating with our clients to understand their specific needs and challenges. This ensures that the solutions we provide are both effective and aligned with their strategic goals."

A LEGACY OF INNOVATION

Founded in 1949, Vanderlande has grown into a trusted partner for businesses worldwide. The company's history is marked by a relentless pursuit of excellence and innovation, adapting to the evolving needs of the industries it serves with state-of-the-art automated systems, data-driven insights, and sustainable practices.

Vanderlande remains committed to leading technological advancements. The company's investment in research and development explores new frontiers in automation, artificial intelligence, and digitalization. Key emerging technologies include Autonomous Mobile Robots (AMRs), Artificial Intelligence (AI) and Machine Learning (ML), Digital Twin Technology, Internet of Things (IoT), and advanced sorting and picking solutions, as well as energy-efficient and sustainable technologies.

Toyota Industries Corporation (TICO) acquired Vanderlande in 2017 to cement its global leading position within material handling. Recently, TICO launched the Toyota Automated Logistics Group (TALG), which consists of Toyota L&F, Bastian Solutions, Vanderlande, and viastore. TALG is a global partner for integrated logistic process automation, with its group of companies collaborating under the guiding principle: for every challenge, a reliable solution.

COMPREHENSIVE SOLUTIONS

Vanderlande offers a wide range of solutions tailored to meet the unique challenges of different sectors. The company's market-leading baggage handling systems and related passenger solutions for airports are capable of moving over four billion pieces of baggage around the world per year. These are active in more than 600 airports, including 12 of the world's top 20. In addition, around 430 of Vanderlande's security lanes are installed at checkpoints worldwide. The company's solutions cover the end-to-end baggage handling process, supported by digital services providing real-time data and insights, and life-cycle services.

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Art Masri, Director of Sales, APS

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