

The IAAE Canada

Summer 2017

AIRPORT MAGAZINE

An official publication of the International Association of Airport Executives Canada



Planning for Growth



TOGETHER to power your airport performance

Visit our new home at adbsafegate.com,

– ADB, Safegate, Liberty Airport Systems, AviBit,
Lucebit & ERNI now available on one website.

See us at IAAE Canada's F.O.A.M. Conference • June 4-7, 2017 • Calgary, AB

The logo for ADB SAFEGATE. It features the word "ADB" in a bold, dark blue font above the word "SAFEGATE" in a larger, bold, dark blue font. To the right of "ADB" is a stylized orange and yellow starburst or wing-like graphic element.

ADB
SAFEGATE

Contents



The IAAE Airport Magazine

Published for:

IAAE Canada
1383 King Street East
Hamilton, ON L8M 1H6
Phone: (905) 297-2236
Fax: (905) 963-7833
headquarters@iaaecanada.org
www.iaaecanada.org

Printed by:

Matrix Group Publishing Inc.
309 Youville Street
Winnipeg, MB R2H 2S9
Toll-free: (866) 999-1299
Toll-free fax: (866) 244-2544
sales@matrixgroupinc.net
www.matrixgroupinc.net

President & CEO

Jack Andress

Operations Manager

Shoshana Weinberg
sweinberg@matrixgroupinc.net

Publishers

Peter Schulz
Jessica Potter

Editor-in-Chief

Shannon Savory
ssavory@matrixgroupinc.net

Senior Editor

Alexandra Walld
awalld@matrixgroupinc.net

Finance / Administration

Pat Andress, Nathan Redekop, Lloyd Weinberg
accounting@matrixgroupinc.net

Director of Circulation & Distribution

Lloyd Weinberg
distribution@matrixgroupinc.net

Sales Manager – Winnipeg

Neil Gottfred

Sales Manager – Hamilton

Jeff Cash

Sales Team Leader

Colleen Bell

Matrix Group Publishing Inc.

Account Executives

Andrew Lee, Bonnie Petrovsky, Brian MacIntyre, Cheryl Klassen, Chris Smith, Colleen Bell, Courtney Murphy, David MacDonald, Frank Kenyeres, Jim Hamilton, Kallie Herod, Matt Potts, Renée Kent, Rob Gibson, Roxanne LaForme, Sandra Kirby, Tanina Di Piazza

Layout & Design

Travis Bevan

Advertising Design

James Robinson

©2017 Matrix Group Publishing Inc. All rights reserved. Contents may not be reproduced by any means, in whole or in part, without the prior written permission of the publisher. The opinions expressed in this publication are not necessarily those of Matrix Group Publishing Inc. Printed in Canada.



Up Front

- 5** A Message from IAAE Canada's Chairman
- 7** A Message from IAAE Canada's Executive Director
- 8** Why Should You Be a Part of IAAE Canada?

Features

- 10** Are We Evolving to Airports 2.0? Part II
- 14** Developing an Airport Master Plan for Growth at the Region of Waterloo International Airport
- 16** Emerging Technologies: Remote Airfield Lighting

Special Section

- 12** Join Us the 12th Annual Facility, Operations & Airport Managers Conference
- 13** The 2017 Accreditation Academy
- 13** Attend the 2017 SWIFT Conference & Trade Show

Corporate Corner

- 18** ADB Safegate: Helping Your Airport Benefit Without Infrastructure Expansion

Member Profile

- 20** Bruce Paige, Trenton Airport Ltd.

22 Buyer's Guide

PEARL

PACKAGED ELEVATED AIRFIELD RUNWAY LIGHTING SYSTEM

- Easy to Install
- Plug and Play with limited civil works.
- Low Power consumption
- Almost Zero Maintenance
- Operational even when the pilot is not properly aligned (non-instrument approach)
- Up to 10 degrees offset
- Extended operating hours for the airfield



Runway Edge



Threshold/Runway End



Approach



Taxiway/Apron

Let Quality & Performance Light the Way
www.approachnavigation.com



**APPROACH NAVIGATION
SYSTEMS INC.**



Paul Ritchi, A.A.E.
*Chairman, IAAE Canada
Senior Manager
Strategic Program Development
Greater Toronto Airports Authority*

A Message from IAAE Canada's Chairman

The Aviation Industry: Moving Ahead

It's one thing to tackle the opportunities, threats and challenges with new processes, equipment or procedures. But without properly trained and motivated people to drive the business, it becomes very difficult to succeed.

First and foremost, the International Association of Airport Executives Canada (IAAE Canada) is a training and development association that also encourages the development of a network of airport contacts within its membership base to share ideas, processes and experiences with each other.

Over the next number of months, we will be rolling out additional and unique training offerings that will meet—even more—the needs of airports and the next generation of airport leaders who are

entering our industry. Stay tuned for more news to come!

In terms of what airport professionals don't know and what they need to know, it can be challenging. Many senior regulatory leaders are Baby Boomers who are starting to retire or will do so within the next five to seven years or so. IAAE Canada will be stepping up its efforts to become—even more so—the place for information and practical skills that are not otherwise readily available.

The future is ours to take! Are we ready and able to take advantage of the opportunity and fill the upcoming need? We say, "Yes." IAAE Canada will be there for you and your airport!

Please feel free to contact me at paul.ritchi@iaaecanada.org. I look forward to hearing from you. ✈

Providing exceptional service to passengers, airports and airlines

Baggage System Maintenance

Engineering Services

Passenger Handling

Jet Bridge Maintenance

Cabin Cleaning

Janitorial Services

Steve Malcolmson
SVP Business Development - Aviation
Phone: 416.660.8431
steve.malcolmson@us.issworld.com
www.us.issworld.com

THE **LOOMEX** GROUP

**AVIATION & EMERGENCY
MANAGEMENT SPECIALISTS**

- Emergency Exercises
- Airport Operations
- Airport Training Systems
- Emergency Management
In Aviation



Headquarters:
Peterborough, ON
705-775-5022

Western Office:
Calgary, AB
403-532-9995

www.loomex.ca

VANDERLANDE

*Reliable partner for value-added
logistic process automation*



Vanderlande is the global market leader for value-added logistic process automation at airports. Its systems are active in 600 airports including 14 of the world's top 20. Vanderlande's extensive portfolio of integrated solutions – innovative systems, intelligent software and life-cycle services – results in the realisation of fast, reliable and efficient automation technology.

vanderlande.com

MOVING YOUR BUSINESS FORWARD



**PROTECTED BY
COMMISSIONAIRES**

Your only national not-for-profit security provider.

With over 90 years of experience,
Canadians put their trust in Commissionaires.

commissionaires.ca
1 877 322 6777

 **COMMISSIONAIRES**
TRUSTED • EVERYDAY • EVERYWHERE



Joe Mauro
Executive Director, IAAE Canada

A Message from IAAE Canada's Executive Director

Strategizing for the Future

equally important to set aside time to think and reflect.

I read that Bill Gates used to take a week off twice a year and spend it at his waterfront cottage to just think and reflect about Microsoft and its future. Now, IAAE Canada doesn't have a cottage retreat—and even if it did, with two kids under 12, I'm not sure how much "reflection" I could achieve if I were to go to it.

But, more and more, I am beginning to think that a strategy is not so much the result of a strategic plan but more a response to unexpected events and opportunities. Engaging in new activities, like attracting new members, exploring new markets, and training offerings, is triggered by external events. Those external events include demographics (aging

boomers retiring; millennials entering the workforce), politics (regulatory changes), or something as simple as a staff departure.

However, in responding to these "external events" you have to continually ask yourself questions about your business, as IAAE Canada is currently doing. These responses are not reactionary—some may be because of the sudden appearance of an external event but, in large part, to be effective, the responses require time to be formulated.

Strategy, by one definition, is about making complex decisions when surrounded by uncertainty, with substantive, long-term consequences. As IAAE Canada moves forward, I am confident these complex decisions will create an invigorated organization with an exciting future. ✈

As the International Association of Airport Executives Canada (IAAE Canada) looks toward the future and plotting a new strategy, I have been reflecting: What is a strategy? Can a strategy be created when we're busy virtually all of the time? It is very easy in a small office like ours for me, as Executive Director, to get involved in something that "has to get done," but it is

SOLE SOURCE SUPPORT SERVICES URBAN, RURAL AND REMOTE LOCATIONS

Canadian Base Operators

Providing Support Services along with Facilities & Equipment Maintenance
for the Military and Private Sector



**Proud to Serve Those Who Serve
and Provide Employment
Opportunities Throughout Canada**

Contact: Steven Watt, General Manager
Tel: (705) 446 9019
www.canadianbaseoperators.com

Why Should You be a Part of IAAE Canada?

IAAE Canada | 1383 King Street East | Hamilton, ON L8M 1H6
 Phone: (905) 297-2236 | Fax: (905) 963-7833
 E-mail: headquarters@iaaecanada.org
 Web: www.iaaecanada.org



Members of IAAE Canada have access to the following career-enhancing benefits. For details, please e-mail us at headquarters@iaaecanada.org, call (905) 297-2236 or go to www.iaaecanada.org to apply for / renew your membership.

ACCREDITATION PROGRAMS A.A.E. – THE MARK OF AN AIRPORT PROFESSIONAL

The IAAE Canada Accreditation Program (A.A.E.) is the **industry standard for airport executives and equivalent of a fourth-year university academic level.** It challenges the candidates to prove their knowledge and skills in three distinct ways: passing the exam, researching and writing a management paper and passing the Board of Examiners panel interview. Candidates are given three years to complete the program.

A.A.P. – THE ACCREDITATION AIRPORT PROFESSIONAL PROGRAM FOR INDUSTRY PROFESSIONALS

The IAAE Canada Accredited Airport Professional (A.A.P.) is a program for Industry Members. It is similar to the A.A.E. program in that the candidate has three years to complete and there are three phases, which are: **passing the exam, researching and writing an article that is approved by the Board of Examiners, and having it published in an industry magazine,** and completing any two of the following: attending an IAAE Canada Conference, successfully completing an IAAE Canada course of your choice, or successfully completing any 10 of IAAE Canada's online courses.

Upon successful completion of the requirements, the Accredited Airport Executive or Accredited Airport Professional may use their new

designation of A.A.E. or A.A.P. as applicable after his/her name.

THE IAAE CANADA WEEKLY E-REPORT

Your gateway to the most up-to-date **industry news, business opportunities, upcoming training, conferences employment opportunities and more!** Delivered directly to your inbox!

THE IAAE CANADA WEBSITE & FORUM

IAAE Canada members have access to the Members Only area of IAAE Canada's website, called the Forum, where they can interact with other members, search our members' database, and much more. The website also provides detailed information on **upcoming courses, conferences, employment opportunities, membership lists and a list of our corporate partners.**

ONLINE TRAINING

IAAE Canada's Online Training is designed for new entrants into the airport industry. Short lessons, affordable but very valuable information. Online, on-call, anywhere, anytime.

THE IAAE CANADA AIRPORT MAGAZINE

Published semi-annually, distributed free of charge and delivered right to your door! Visit us at www.iaaecanada.org to sign up.

THE IAAE CANADA ANNUAL FACILITY, OPERATIONS & AIRPORT MANAGERS CONFERENCE

Join us for three days of informative workshops and discussions on the current and important industry issues that matter most! Each year, our conference brings you informative lectures, panels and group workshops.

TRAINING DISCOUNT

All members get **the discounted rate for all courses and conferences offered by both IAAE Canada and AAAE.** If you are not attending, you have the option of lending your training discount to a fellow employee for the purpose of attending courses conferences at the same reduced fee.

IAAE CANADA ANNUAL REPORT

Distributed annually via memory stick to members in good standing, this contains **committee reports on activities for the past year,** including audited financial statements, a list of our corporate members, and a full outline of the items and services our corporate members can provide.

AIRPORT MANAGEMENT LIBRARY

This library contains numerous reports, surveys and other current written materials. The library can be accessed through the IAAE Canada and AAAE websites, and also provides extensive information on all aspects of airport operations. ✈

POWERWRIGHT

PowerWright was founded in 1996 as a distributor of Uninterruptible Power Supply Systems providing product fulfillment and technical support to our Power Resellers in Ontario. Today the PowerWright Group consists of 24 power industry professionals (and growing) with offices across Canada to ensure sales and service support where you need it. PowerWright Service has grown to be the largest multi-vendor of Uninterruptible Power Supplies and is an authorized distributor for GE, TrippLite and Gamatronic UPS Systems. PowerWright offers different levels of service that will fit your UPS needs to ensure power problems will not disrupt your critical systems and operations. PowerWright also has a single phase repair facility which allows for a fast and economical depot repair on systems from (0-6)kva line.



- Toronto
- Vancouver



- Halifax
- Calgary

www.powerwright.com
 25 Romina Drive, Concord, On L4K 4Z9
 TF 1-866-790-3100 F 905-532-9196



Smart Solutions for a Complex World

For 50 years Tetra Tech's engineers and scientists have provided sustainable solutions for water, environment, infrastructure, resource management, and energy projects. With more than 3,000 employees in Canada and 16,000 employees worldwide, we offer the Aviation industry services spanning the entire project life cycle.



Richard Kohler: +1 (613) 692.1944 ext 222 richard.kohler@tetratech.com

tetratech.com/canada | [f/tetratech](#) | [t/tetratech](#)

sustainable by design



Associated Engineering is an employee-owned, Canadian consulting firm providing services in the transportation, water, infrastructure, environmental, energy, building, and asset management sectors. Our holistic approach considers climate change impacts to create sustainable and resilient solutions. A leader in airport engineering, we offer a wide range of airport engineering services including:

- Airport Planning
- Runway, Taxiway & Aprons
- Roads & Utilities
- Stormwater Management
- Structures
- Pavement Rehabilitation
- Lighting
- Navigational Aids
- Signage
- Electrical Systems
- Control Systems
- Communications



A Carbon Neutral Company
www.ae.ca



Central Alaska Metalworks

Fairbanks, Alaska



THE THAWHEAD:

- Fast & easy ice and snow removal
- Airfield lighting
 - Survey monuments
 - Street utility covers
 - Water main valves



With extensive experience in Arctic operations, CAM Inc. specializes in the design and fabrication of innovative solutions for the transportation, construction, mining, and petroleum industries.

ThawHead.com

CENTRAL ALASKA METALWORKS, INC.

PO Box 80300 | Fairbanks, Alaska 99708 |
 (907) 474-4037 | central.alaska.metalworks@gmail.com

Are We Evolving to Airports



Part II

By Bill Newman, A.A.E., Past Chair, IAAE Canada

Anticipation was building as the recent federal budget approached to find out if the Trudeau Government would accept the recommendations of the *National Transportation Act* (NTA) review and the government's financial advisors and embark on a new era of governance for the country's airports. In February 2016, the NTA review headed by former Cabinet Minister David Emerson had recommended, in part, that the airports comprising the National Airports System be transformed into share capital corporations to enable them to access equity-based financing. Then, in September 2016, the government had retained Credit Suisse Group AG to analyze the options for privatizing the top eight airports as part of a larger initiative

to "recycle" publicly-owned assets to raise funding for new infrastructure investments.

In the weeks leading up to budget day on March 21, various stakeholders weighed in with recommendations both for and against a change in policy direction on airports. Three airports—Vancouver, Calgary and Ottawa—partnered to launch a new website supporting the continuation of the not-for-profit airport authority model. Under the masthead of *No Airport Selloff – Canada's Airport Partnership*, the site, www.noairportselloff.ca, stated that under the existing governance model, Canada's airports are recognized as being among the most efficiently operated in the world. Privatization would erode this reputation by increasing costs to users, removing local influence from airport boards and undermining Canada's economic

competitiveness. While being critical of airport authorities in other instances, the National Airports Council, representing the major air carriers, added its support by indicating that privatization would "fail the most elementary test of stewardship of the public interest."

Concluding that private owners would place profits ahead of the interests of airport users and taxpayers, Senator Dennis Dawson, Chair of the Senate Transportation and Communications Committee, suggested in a speech to the Association québécoise du transport aérien that "privatization is a bad idea."

Advocating for a change in organizational model, the C.D. Howe Institute enumerated, in two separate reports, the merits of converting the current airport authorities into share capital

Broadening the ownership of airports would not only raise funding for new infrastructure but would also provide opportunities for institutional investors to participate in Canadian projects.

corporations. The equity value of the eight largest airports was estimated to total between \$7.2 and \$16.6 billion. Broadening the ownership of airports would not only raise funding for new infrastructure but would also provide opportunities for institutional investors to participate in Canadian projects. Similar to the privatization experiences of the United Kingdom, Australia and New Zealand, regulatory safeguards could be put in place to preclude multiple airport ownership and abuses of market power. Powerhouse Canadian investment funds such as Brookfield Infrastructure Partners and the Canada Pension Plan Investment Board, which currently hold equity positions in foreign airports, have signaled their interest in domestic airport privatization projects of sufficient scale and acceptable risk-adjusted rate of return.

The budget speech delivered by the Finance Minister was silent on airport privatization. In comments to the media, Minister Morneau stated that "...we haven't come to any conclusions on airports." The government, he elaborated, will continue to consider its options and "...look toward ensuring that we have a positive passenger experience and a good airport system."

Reacting to the budget speech, the Calgary Airport Authority stated that the government "acted in the best interests of Canadians" by not proceeding with privatization. The Vancouver Airport Authority, for its part, thanked the government for listening and noted its intention to continue educating Canadians on the value of the current not-for-profit model. The Greater

Toronto Airports Authority (GTAA), however, voiced a willingness to entertain changes to the airport's business model. In promoting its plans to develop a regional transit centre and evolve Toronto Pearson into a mega-hub airport, the GTAA offered that a review of the current model "may present an opportunity to leverage investments and policy changes that could help to realize the GTAA's long-term strategy."

Despite the pre-budget speculation, the Trudeau Government evidently felt it was not ready to take a position on airport privatization. Does that mean the issue is still under consideration, or that it may now just quietly fade into the background? The latter eventuality could be the case, but for the government, the conundrum remains: How does it generate the capital to finance the country's public infrastructure needs while managing deficits to acceptable levels? The time ahead will hopefully yield conclusive answers to these questions. ✈

REFERENCES

For a full list of sources for this article, please e-mail awalld@matrixgroupinc.net.



Black & McDonald

AIRSIDE SERVICES
NAV Aids, Airfield Lighting, Landing Aids
De-icing Systems, Field Electrical Centres
Flight Instrument Landing Systems

GROUND SIDE SERVICES
Facility Maintenance & Operations Management
Baggage Handling System Conveyor Installations
Roadway Lighting, Traffic Control Systems
High Voltage Cabling, Substations
Underground Utilities, Civil Excavation
Specialty Lighting, Signage

www.blackandmcdonald.com



Join the Aviation Pros!

12th Annual

Facility, Operations & Airport Managers Conference

- Three Days
- Informative Workshops
- Engaging Industry Panels
- Interactive Trade Show

Join aviation industry professionals from across Canada – June 2018

“Although I am not an airport manager...the networking portion is key...I also think that using panel-based presenters helps create a more interactive feel to a conference like this.”

—Josh Bergsteinsson, GRM Inc.

“Thank you for showing interest in new attendees and making them feel welcomed throughout the conference, especially those new to the industry and attending on their own.”

—Jim DeGasparro, Sault Ste. Marie Airport Development Corporation

“A great conference, as usual, with good speakers and topics...”

—Lindell Smith, Deer Lake Regional Airport





The 2017 Accreditation Academy

Join us from October 16 to 20, 2017 at the Travelodge Hotel Toronto Airport

Get Started on your Path to the Top

The Accredited Airport Executive (A.A.E.) and Accredited Airport Professional (A.A.P.) are internationally recognized designations of a comprehensive professional development program designed to cover all aspects of airport management.

“The IAAE Canada accreditation program provides an expanded knowledge into many areas of airport expertise and provides a great addition, breadth of knowledge and understanding to the experience gained in working in airport management.

The designation of A.A.E. provided through IAAE Canada adds tangible proof that my skillset is credible and I operate to a high level of standards, as set by IAAE Canada.

The breadth of knowledge gained to supplement my experience and skillset shows that I am an airport management professional who can be knowledgeable and effective in any airport in Canada.”

—Terry Bos, A.A.E., BBA

CEO, Sault Ste. Marie Airport Development Corporation

Register Today at www.iaaecanada.org



AIRFIELD OPERATIONS CONFERENCE & EQUIPMENT EXPO

September 18-21, 2017
Halifax, Nova Scotia

JOIN US

swiftconference.org

INNOVATION & LEADERSHIP IN AIRFIELD OPERATIONS





Welcome to the Region of Waterloo International Airport, which had over 110,000 aircraft movements last year.

Developing an Airport Master Plan for Growth at the Region of Waterloo International Airport

By Chris Wood, BSc., A.A.E., Airport General Manager, Region of Waterloo International Airport

The Region of Waterloo International Airport (YKF) is one of the top 20 busiest airports in Canada. More than 120,000 passengers used the airport in 2016, and there were over 110,000 aircraft movements. Waterloo Region has a highly mobile population and is projected to grow to 835,000 residents by 2041.

It is estimated that by 2043, southern Ontario will also be home to 15.5 million people and regional air travel volume will reach more than 90 million passengers annually. Air travel demand over the next two decades alone puts Toronto Pearson

International Airport (YYZ) at roughly 70 million passengers annually—with no signs of slowing down. With this potential demand, the time to plan is now.

The Region of Waterloo recently approved a \$371-million, 20-year master plan to guide the future of YKF until 2036. To ensure YKF can meet the travel and connectivity needs of its own growing community and to respond to future capacity challenges at YYZ, a number of factors have been taken into consideration while planning.

The September 2015 study, entitled *Growth, Connectivity, Capacity: The Future*

KÜPER®

GK 5 Rubber Ceramic Plow Blades: The *Ideal* Snow Plow Blade for Airports

- Cleans tarmac much better in fewer passes.
- Longer lasting/no maintenance.



Kueper North America, LLC | www.kueperblades.com
843-723-7361 | info@kueperblades.com



The terminal at the Region of Waterloo International Airport saw more than 120,000 passengers in 2016.



of a Key Regional Asset, by the Greater Toronto Airports Authority suggests Toronto Pearson investigate working with regional airports in southern Ontario to design an integrated, multi-airport system which could move capacity from YYZ to other airports. YKF is well positioned geographically to play a larger role in this new system. Currently, YKF captures four per cent of passengers in its immediate catchment area, approximately 35 kilometers around the airport. However, it is estimated there could be up to two-and-a-half million passengers who travel from within this catchment area annually. More flights to more places would allow business and leisure passengers who currently travel to YYZ to fly from YKF.

With more passengers comes the need for airport enhancements, including increasing the size of the air terminal building, additional parking and improvements to road networks. There is also added pressure to connect passengers into local and regional modes of transportation. Added connectivity would allow passengers to easily get to and from YKF and potentially YYZ. A proposed new Breslau GO Train station, Kitchener GO Transit line and connection to Toronto Pearson's multi-modal hub would fully integrate the transportation networks.

The ever-changing nature of the aviation industry could also have an immediate impact on growth. The November 2016 Transport Canada change in legislation provided a foreign ownership exemption to two start-up, low-cost carriers: Enerjet and Canada Jetlines. YKF is a desirable regional airport for this type of carrier given its proximity to a significant affluent and underserved market.

An aerial shot of the Region of Waterloo International Airport's Apron 7 runway. The Region of Waterloo recently approved a \$371-million, 20-year master plan to guide the future of YKF until 2036.



Unlike the traditional methodology to airport master planning, YKF has taken a "just-in-time" approach to mapping out its growth strategy. Preparing for each development stage is based on achieving levels of passenger growth and the ability to quickly respond to changes in the aviation industry. This approach will ensure infrastructure investment is maximized and financial risk is closely managed while keeping a keen eye on customer experience and service delivery.

The Region of Waterloo International Airport has the potential to play a critical

role in connecting one of Canada's most dynamic regional economies to the world. As the airport prepares for the first phase of development, it is focused on maximizing existing infrastructure before investing into expansion. From attracting more scheduled air service to promoting the aviation business park, the airport is well positioned for growth.

To learn about the opportunities that exist in Waterloo Region, its emerging aerospace cluster, and how the airport is preparing for growth, visit www.waterlooirport.ca/masterplan. ✈

Varco Pruden's Attractive & Affordable

AVIATION INDUSTRY FACILITIES







We help get your building plans off the ground. Whether you need a hangar, aircraft maintenance, FBO, or air cargo facility, Varco Pruden Buildings and their coast-to-coast network of authorized builders work as a team to provide a high quality building, on time and on budget.

Varco Pruden, a pioneer in the steel framed building industry, can offer your organization:

- Lower material and labor costs.
- Faster completion schedules.
- Flexible designs for interior space.
- Choices of exteriors such as brick, stucco, glass, wood or steel panel.
- Nationwide network of independent authorized builders.

With our value-engineered steel framed building systems, recycled material content and long-life "cool paint" choices, VP Buildings can help you meet sustainable construction and LEED certified project plans as well. Energy-efficient structures can help curb operating costs.

Visit us online to request this free brochure about Varco Pruden's aviation and transportation facility capabilities!



**Building Solutions...
one relationship at a time.**

Find Out More. Visit www.VP.com/ad/IAAE

Varco Pruden Buildings is a division of BlueScope Buildings North America, Inc.



Emerging Technologies: Remote Airfield Lighting

By Jordan Boucher, Project Manager, Seguin Morris Electrical Contractors



Installing and maintaining airfield lighting systems in remote locations under extreme weather conditions, like the Iqaluit International Airport, pictured above, can present a unique set of logistical challenges, from cost overruns, to scheduling mistakes, to project delays.

Installing and maintaining airfield lighting systems in remote locations under extreme weather conditions can present a unique set of logistical challenges. Cost overruns, scheduling mistakes, and project delays are magnified under these circumstances, especially when skilled labour is in short supply. These are just some of the hurdles that only the most experienced electrical contractors can overcome.

Today's sophisticated airport lighting systems involve technically complex installations that require a specific skillset to minimize unexpected downtime. That's why you need a highly-experienced crew of logistical and electrical experts who know exactly what it takes to succeed in Canada's far north. It's why the government of Nunavut trusted Seguin Morris to manage its Iqaluit International Airport project.

REMOTE AIRFIELD LOGISTICS

Seguin Morris has developed an airfield logistics system that meets the demanding needs of remote locations across North America and its projects are meticulously planned and implemented with military-like precision to exceed standards in an industry governed by exacting specifications. The fusion of highly-trained foremen and crews with exceptional project management and logistical skills, and strict attention to detail, have set the company apart as a leader when it comes to airfield logistics systems.

Since 2006, the team has delivered both electrical and civil engineering portions for several airport projects with unerring precision. Applying more than just high-voltage expertise, Seguin Morris' multi-trade crews also handle other project phases such as excavation and trenching for underground conduit systems. These additional competencies eliminate the need for subcontracting and promote more efficient project management, which gives airport operators greater control over project timelines and budgets.

WHAT YOU NEED

You need crews that are ready for the unexpected and can troubleshoot problems quickly, because when you're working on a live runway, there is no margin for error. This requires a team of dedicated project managers, accurate estimators, and administrative support staff, all focused on ensuring time is never wasted and that quality standards are always met. You need a team that can help you manage your operating and capital expenses as efficiently as possible while minimizing the risk of project delays and unnecessary overages. You need proven experts who can minimize the impact on your daily operations by eliminating any unplanned downtime. It's projects like the Iqaluit Airport that require a methodically coordinated service that reflects your airport's commitment to safety and security.

You need crews that are ready for the unexpected and can troubleshoot problems quickly, because when you're working on a live runway, there is no margin for error.



Crews need to be ready for the unexpected and able to troubleshoot problems quickly, because when you're working on a live runway, there is no margin for error.

COMMITMENT TO SAFETY

Team safety is a primary concern and is the reason why the company continually invests in both internal and external training courses to further develop the skills and expertise of its people. They represent the cornerstone of success. In addition, an internal safety board (comprised of various levels within the organization) meets every month. This board governs the internal safety guidelines and reviews training and continuous improvement initiatives related to the health and safety of workers.

GETTING THE JOB DONE RIGHT

Smart professionals expect any company they work with to care as

much as they do about getting the job done right the first time. Project management, estimation skills and keeping everyone involved informed throughout the process with regular work in progress update reports will keep you on track to get the job done right the first time, every time.

Sustainability also leads the way to success. You might consider embracing a fleet of vehicles equipped with GPS systems and engine cutters to prevent vehicles from idling too long, which can reduce CO₂ emissions per kilometer.

You want to feel confident that you are working with a company that is dedicated to helping you manage your projects as efficiently as possible and forming trusted partnerships with airport operations professionals across Canada. ✈

Airfield Lighting & Logistical Experts

- Approach Lighting
- Runway & Taxi Lighting
- Wind sock indicator & Guidance Sign
- ODAL's & REIL's
- PAPI's
- AWOS systems
- Field electrical center
- Apron floodlighting & roadway lighting
- Underground infrastructures

www.seguinmorriss.com

SEGUIN MORRIS



ADB Safegate:



ADB Safegate headquarters at night.

WILDLIFE MANAGEMENT AND CONSULTING

Efficient Cutting Edge Tools and Strategies that Offer Measurable Results

- > FULL SUPPORT FOR REGULATION COMPLIANCE
- > RISK ANALYSIS AND WILDLIFE MANAGEMENT PLAN
- > AIRPORT WILDLIFE MANAGEMENT TRAINING*
- > KEY PERFORMANCE INDICATOR IMPLEMENTATION
- > WILDLIFE CONTROL AND TRAPPING PROGRAM
- > AIRPORT SOFTWARE SOLUTIONS

*FES is recognized by Transport Canada and the ICAO.

LEADER IN THE FIELD since 1989

www.falconenvironmental.com
info@falconenvironmental.com
1.450.458.1333



Helping Your Airport Benefit Without Infrastructure Expansion

ADB Safegate is one of the world's leading providers of integrated solutions for safer, more efficient and environment-friendly aircraft movements. The company combines cutting-edge technology and experience to offer the industry's largest product portfolio and excellent operational knowledge.

A focus on airfield, tower and gate solutions, together with data-driven integration and services, enables the company to look at an airport's problems differently. Relying on a consultative approach to analyze each airport's specific situation, ADB Safegate jointly determines new and more cost-effective ways to deliver a superior airport experience.

A pioneer in LED airfield ground lighting (AGL), ADB Safegate is present at over 2,000 airports across the globe. The company has the widest range of unique and maintenance-friendly LED AGL, control and monitoring systems, and power architectures that enable airports to dramatically improve airfield availability, performance, safety and energy savings.

On the gates and apron area, ADB Safegate's safe docking solutions help minimize the risk of accidents since there is a continuous flow of people, aircraft and ground vehicles. The company's automated platforms for safe docking and apron management equip pilots with real-time intelligence on gate and apron movements. Enhanced data sharing capabilities and apron lighting solutions increase productivity and reduce turnaround time, ensuring safer operations with lower operational costs. ADB Safegate's installed base of over 7,000 safe docking systems includes some of the world's busiest airports.

Integrated tower solutions provide air traffic controllers with real-time information on all movements, from touchdown to take-off, so they can find intelligent ways

to manage the complexities of traffic flow. ADB Safegate's ATC solutions, which are installed at over 260 towers, are

helping air traffic controllers tackle some of the most complex considerations while routing and guiding aircrafts to safety. ✈

Smiles for the Public

Airports, hustle and bustle
TOA can keep you safe...

... passengers clearly hear every announcement.

Intercom Paging Voice Evacuation

Today the issue of safety is more important than ever. At TOA, we have developed reliable products that provide superior sound quality and 24-7 operation. TOA's products are the first to meet Canadian UL standards for Mass Notification. Our Voice Evacuation System works 24-7 to keep the public safe when an emergency arises, and for everyday use. Need to control door access and communicate across a network, our Intercom products have you covered. Speakers provide clear, intelligible sound, ensuring your message is heard!

TOA can be found in airports across Canada and around the world, from; Kelowna, Saskatoon, Toronto, Montréal, Moncton, and Halifax, to Tokyo, and more...

We supply sound, not equipment.
1-800-263-7639 • www.TOAcanda.com

TOA



Bruce Paige, Trenton Airport Ltd.



Trenton Airport Ltd., in Trenton, NS, serves up to 50,000 people throughout Pictou County in a general aviation capacity. The airport has about 800 movements annually.

By Paul Adair

For almost 45 years, Bruce Paige has been working in the aviation industry in several different roles. His career took off with apprenticing in the industry out of high school in 1973. He now manages the Trenton Airport in the small town of Trenton, Nova Scotia. Paige had discovered early on in his career that he had both the passion and aptitude for the care and maintenance of airplanes.

Even now, he looks for opportunities to overhaul the occasional engine that comes through.

"I come from a mechanical family. My grandfather was a heavy equipment mechanic in the mines, and my father was a pretty good backyard mechanic," says Paige. "So, it may be just the way I've been programmed, but I've always had a pretty keen interest in everything mechanical."

Although small in size, Trenton Airport can be busy, serving up to 50,000 people throughout Pictou County in a general aviation capacity. The airport has about 800 movements annually, with substantial regional traffic passing through, as passengers fly to and from locations like Antigonish and beyond.

Trenton Airport has a limited crew, with Paige being the only full-time employee. Two other men round out the staff in a limited part-time capacity, used primarily for snow removal and general upkeep.

"I am in my own little corner of the world, where nobody is looking over my shoulder and—for the most part—I am left to my own devices," says Paige. "It lets me do a little bit of everything; I park airplanes, I fuel airplanes, and I still do a little bit of maintenance work for one of my tenants. There is really no day that is the same as the one before."

For years, the Trenton airport was in danger of falling into disrepair, as the cost of maintaining the facility was increasingly more than the Town of Trenton could budget for. In 2006, the Canadian grocery chain Sobeys, which happens to be based in the region, stepped in and purchased the airport from the town to use as hub for its fleet of company jets. The company was looking for someone to take over the duties of airport manager and Paige, thinking it sounded interesting, threw his name in for consideration and got the job.

Committed to maintaining and improving the airport's operational status quo, Sobeys' purchase of the Trenton Airport brought with it stability and a sense of renewal for Paige,

CLEAR RUNWAYS FASTER

DANIELS [®] **1**

1 (844) BLU-PLOW | www.danielsplows.com

Available at:

**IRON
EDGE**
Equipment

(905) 658-9905

“I am having a ball here and outside of writing the occasional report, I come to work to play—it’s just that much fun.”

who was accustomed to the shoestring budgets of smaller, struggling companies.

“Finding the money to keep an airport afloat in a small market like ours can be pretty tricky,” says Paige. “But we have a budget we can work with, and coming from what I have been used to throughout most my career, I can tell you it’s an absolute joy to know that if I need something, I’m allowed to go out and get it. And I thank my lucky stars this is the case.”

While Paige found his calling in aviation, he recognizes that the industry is not for everyone. He encourages those who are considering a career in the business to think very hard about whether or not they have a passion for the kind of work they will be doing, as a love for the job will go a long way in making the less-enjoyable aspects more palatable.

“As long as my health holds, I’ll still be doing what I love,” says Paige. “I am having a ball here and outside of writing the occasional report, I come to work to play—it’s just that much fun. I really can’t imagine doing anything other than what I am doing right now.” ✈

THE BENEFITS OF IAAE CANADA MEMBERSHIP WILL HAVE YOU SOARING!



There are so many benefits to being a member of the International Association of Airport Executives Canada, it’s hard to know which you’ll find most valuable!

From accreditation programs, to online training, to event discounts and more, IAAE Canada has you covered. You could even be featured in the Member Profile in a future issue of this magazine!

The association has several membership levels available, including corporate, airport (formerly affiliate), industry professional (formerly associate), military, alumni, and student.

To learn more about membership and how you can join the association, go to www.iaaecanada.org.

Continental
The Future in Motion

The Sky's the Limit

Take your GSE fleet's tire performance to new heights with the ContiRV20 Velocity from Continental.

The ContiRV20 is the first pneumatic industrial tire to combine all the characteristics to make ground support equipment successful at what they do: long-lasting durability, suitability for high average speeds, and excellent comfort. Now you can reduce your GSE fleets operating costs, while increasing its reliability.

The RV20 Velocity From Continental.

Why Compromise when you don't have to?

Contact: Tim Hubbert 416-578-4833

Commercial Specialty Tires | www.continental-specialty.com

Santini's ON THE FLY | JD AERO TECHNICAL | EEA | Sault Ste. Marie Airport Development Corporation | SAULT COLLECT | Even Faster Arrivals

Sault Ste. Marie Airport Development Corporation

www.saultairport.com

@SaultAirport | facebook.com/SaultAirport

We Make Brushes. It's What We Do.

UNITED
ROTARY BRUSH CORPORATION

800.851.5108 U.S.A. | www.united-rotary.com | 800.469.6292 Canada

CODE ENGINEERING | LIFE SAFETY | SYSTEMS ENGINEERING

LRI

FIRE PROTECTION & BUILDING CODE ENGINEERS • SINCE 1986

TORONTO | OTTAWA | CAMBRIDGE

☎ 416.515.9331 | ✉ info@lrifire.com | 🌐 www.LRIFire.com | 🐦 @LRIFire

AIRFIELD LIGHTING THAWING SYSTEMS	
Central Alaska Metalworks Inc.	9
AIRFIELD LIGHTING	
ADB Safegate Americas LLC	1FC
AIRFIELD RUNWAY LIGHTING	
Approach Navigation Systems Inc.	4
AIRFIELD / AIRPORT PLOWS	
Daniel's Plows	20
AIRFIELD / AIRPORT SERVICES	
Canadian Base Operators	7
AIRPORT RUNWAY LIGHTING SYSTEMS	
Seguin Morris	17
AIRPORT / AIRPORT AUTHORITIES	
Sault Ste. Marie Airport Development Corporation	22
ARFF FIREFIGHTING TECHNOLOGY	
Rosenbauer Minnesota LLC	IBC
BAGGAGE HANDLING COMPANY	
Vanderlande Industries Canada Ltd.	6
ENGINEERING & DESIGN	
Associated Engineering	9
ENGINEERING CONSULTANTS	
Tetra Tech	9
FACILITY SERVICES	
ISS Facility Services	5
FIRE PROTECTION & BUILDING CODE ENGINEERS	
LRI Engineering Inc.	22
MANUFACTURER OF COMMERCIAL AUDIO INTERCOM PRODUCTS	
TOA Canada	19
MATERIAL HANDLING	
Continental Tire	21
MULTI-TRADE CONTRACTORS	
Black & McDonald	11
PLOW BLADES	
Kueper North America LLC	14
PRE-ENGINEERED STEEL BUILDING MANUFACTURING	
Varco Pruden Buildings	15
RUNWAY SWEEPING REPLACEMENT BROOMS	
United Rotary Brush Corporation	22
SECURITY SERVICES	
Commissionaires	6
SERVICES FOR AIRPORTS	
The Loomex Group	6
TRAFFIC CONTROL SPECIALISTS	
ATS Traffic Group	0BC
UNINTERRUPTIBLE POWER SUPPLIES	
PowerWright	9
WILDLIFE MANAGEMENT & CONSULTING	
Falcon Environmental	18



NO RUNWAY. NO PROBLEM.

ARFF incidents can happen anytime, anywhere, including off airport. That is why Rosenbauer has specifically designed the Panther with a unique suspension "HPCS-High Performance Coil System" offering you the confidence of getting to the incident safely no matter the terrain.

VISIT US ONLINE OR GIVE US A CALL TO SEE WHAT WE CAN DO FOR YOU!



ARFF Division
651.462.1000
www.RosenbauerARFF.com
P.O. Box 549 Wyoming, Minnesota 55092

facebook



We see airports from a higher level.

ATS Traffic has been Canada's best choice for traffic management since 1966. From strategy to installs, we do everything it takes to streamline foot and vehicle traffic flow and keep your airport's road systems running smoothly.

WE OFFER

- Parking Revenue & Guidance Systems
- Wayfinding Systems
- Pedestrian Crossing Systems
- Smart Work Zones
- Real-Time Driver Feedback Message Boards
- Traffic Detection
- Signage
- Delineation & Road Markings
- System Maintenance & Management
- Passive Safety Systems

**We can help you build a better airport.
Contact us to find out how.**

TF 800.661.7346 E info@atstraffic.ca
atstraffic.ca/airports | Since 1966

