



# NA ENGINEERING ASSOCIATES INC.

Newsletter | Volume 11 | Fall Issue

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## CONNECT WITH US:



## News from the Summer

The 10-year anniversary of NAE's Kincardine Office was attended by Mike Rencheck, Bruce Power President & CEO (far left), and Mayor of Kincardine Anne Eadie (second from right). Also pictured are Nick Aroutzidis, NAE's founder and president (second from left), and Larry Walton (far right), partner & manager of the Kincardine Office.

NA Engineering Associates Inc.  
Stratford | London | Kincardine | Pickering | Woodstock  
[www.naeng.com](http://www.naeng.com)

# NAE Opens a New Office in Pickering

PICKERING, ONTARIO

NA Engineering Associates Inc. is excited to announce the opening of our new Pickering office at *1305 Pickering Parkway, Suite 202*. This move gives us the opportunity to be closer to our clients, partners, and continue the momentum generated from the opening of our Markham office back in the Fall of 2015.



The Pickering office will allow NAE to further deliver comprehensive engineering services to clients in the Greater Toronto Area, including our new neighbors at Ontario Power Generation's Nuclear, Decommissioning, and Commercial Real Estate divisions.

"Pickering is an ideal location for us, at the heart of the GTA's nuclear industry, easily accessible by all forms of transit," said Eddie Saab, the firm's Vice President of Business Development. "The office is an extension of our ongoing commitment to clients, partners, and staff to continually invest in our futures."

This same spirit originally led to the opening of NAE's Kincardine office in 2007. The

Kincardine office has since delivered more than 400 projects for clients in "the Tri-County Area," including work for Bruce Power, Canadian Nuclear Laboratories, and the Municipality of Kincardine.

Beyond providing local engineering and technical support, NAE Kincardine staff have become a part of the surrounding community. They work, live, play, and volunteer in the surrounding areas, actively participating in the community these past 10 years.

NAE now has offices in Stratford, London, Kincardine, Woodstock, and Pickering.



# Engineering Support for Hydro One in Napanee, Ontario

## GREATER NAPANEE, ONTARIO

The Hydro One Lennox Transformer Station in Greater Napanee, Ontario required the construction of two facilities: a New Station Building and an addition to the existing Relay Building. Working as a consultant to Rankin Construction, NA Engineering Associates Inc. provided multidisciplinary services in support of both these facilities, including mechanical, electrical, and structural engineering services. In addition, NAE provided contract administration during construction, and Quality Assurance reviews throughout the process of the work.

Similar to many of the projects NAE takes on, the lengthy list of applicable Codes and Standards were all familiar to our staff.

A snapshot of these requirements included:

- Ontario Building Code (2012)
- The Ontario Fire Code (2012)
- CAN/CSA-S16.1-09 Limit States Design of Steel Structures
- CSA-A23.3-04 Design of Concrete Structures - Structures (Design)
- CSA-S304.1-04 Masonry Design for Buildings (Limit States Design)
- CAN/CSA-B72-M87 Installation Code for Lightning Protection Systems
- Technical Standards and Safety Authority
- Accessibility for Ontarians with Disabilities Act

NAE completed the project on-time and on-budget. The new buildings are now occupied, supporting Hydro One's utilities in the area.





## NAE Welcomes David Tanel, Director of Client Services

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### TORONTO, ONTARIO

NA Engineering Associates Inc. is proud to welcome David Tanel as our Director of Client Services. As part of his mandate, David will be responsible for ensuring client needs are captured and commitments are surpassed, all with transparency, integrity and precision.

“David’s role is to further develop the strong existing relationships that we have with our clientele,” said Nick Aroutzidis, NAE President & CEO. “He also brings key technical expertise that will help us reach new clients. With a comprehensive understanding of Ontario’s natural gas sector, David will help us make a positive impact in this dynamic industry.”

David is a member of the Professional Engineers of Ontario and the Canadian Gas Association, having worked with Ontario’s natural gas utilities for over a decade.

Previously serving as the Senior Account Executive to Union Gas for an engineered products distributor, David will also be supporting NAE’s business development initiatives out of our new Pickering Office, with most of his time dedicated to interfacing with new and existing clients across Southwestern Ontario.

Please join us in welcoming David Tanel to the NAE family.







## NA Engineering Associates Inc. Joins The Canadian Gas Association

For more than a century, natural gas companies have been meeting the energy needs of Canadians across the country. Building businesses one customer at a time, these utilities have grown their service areas to include over 450,000 kilometres of transmission and distribution pipeline, above ground LNG and below ground storage facilities, serving over 3 million customers in Ontario alone.

With deep roots already planted in the Ontario Energy Industry through support of the nuclear and renewables industries, NA Engineering Associates Inc. is pleased to extend our commitment by joining the Canadian Gas Association (CGA).

As the voice of Canada's natural gas distribution industry, the CGA works to build the understanding of natural gas by;

- Advancing efficiency and innovation in the energy and economy discourse;
- Driving for improved regulatory engagement;
- Ensuring continuous improvements in the safety and integrity management; and
- Pursuing partnerships to better deliver energy services to Canadians.

Our Director of Client Services, David Tanel, will be NAE's voice and representative to the CGA and the natural gas industry. Please look out for NAE at future CGA events!

## Infrastructure Planning for the Ontario Provincial Police

### WASAGA BEACH, ONTARIO

The Ontario Provincial Police (OPP) is one of North America's largest police services, with more than 6,200 uniformed officers, 3,100 civilian employees, and 800 auxiliary officers. They provide essential services that ensure the safety and security of the people of the Province of Ontario.

Recently, in a project completed for Colliers Project Leaders - Project Management Service Providers for Infrastructure Ontario - NA Engineering Associates Inc.'s mechanical team traveled north to the OPP Wasaga Beach, Huronia West Detachment to undertake a detailed condition assessment of their existing HVAC systems, which included all related equipment and controls. The facility is a critical component to OPP's infrastructure in the community.



Understanding future capital needs for the building is vital.

As part of our assessment, NAE provided performance design options to upgrade the existing HVAC systems as part of a 10 Year Plan for Infrastructure Ontario's Capital Planning. This report detailed upgrade designs, costs, and scheduling implications to ensure Colliers, Infrastructure Ontario and the OPP were all equipped with the right information to select the best available option.

NAE has been conducting building condition assessments for institutional, commercial, and industrial clients for well-over 20 years. The services we provide can extend beyond the buildings to include associated services and utilities.



## NA Geomatics Inc. Takes to the Sky

### WOODSTOCK, ONTARIO

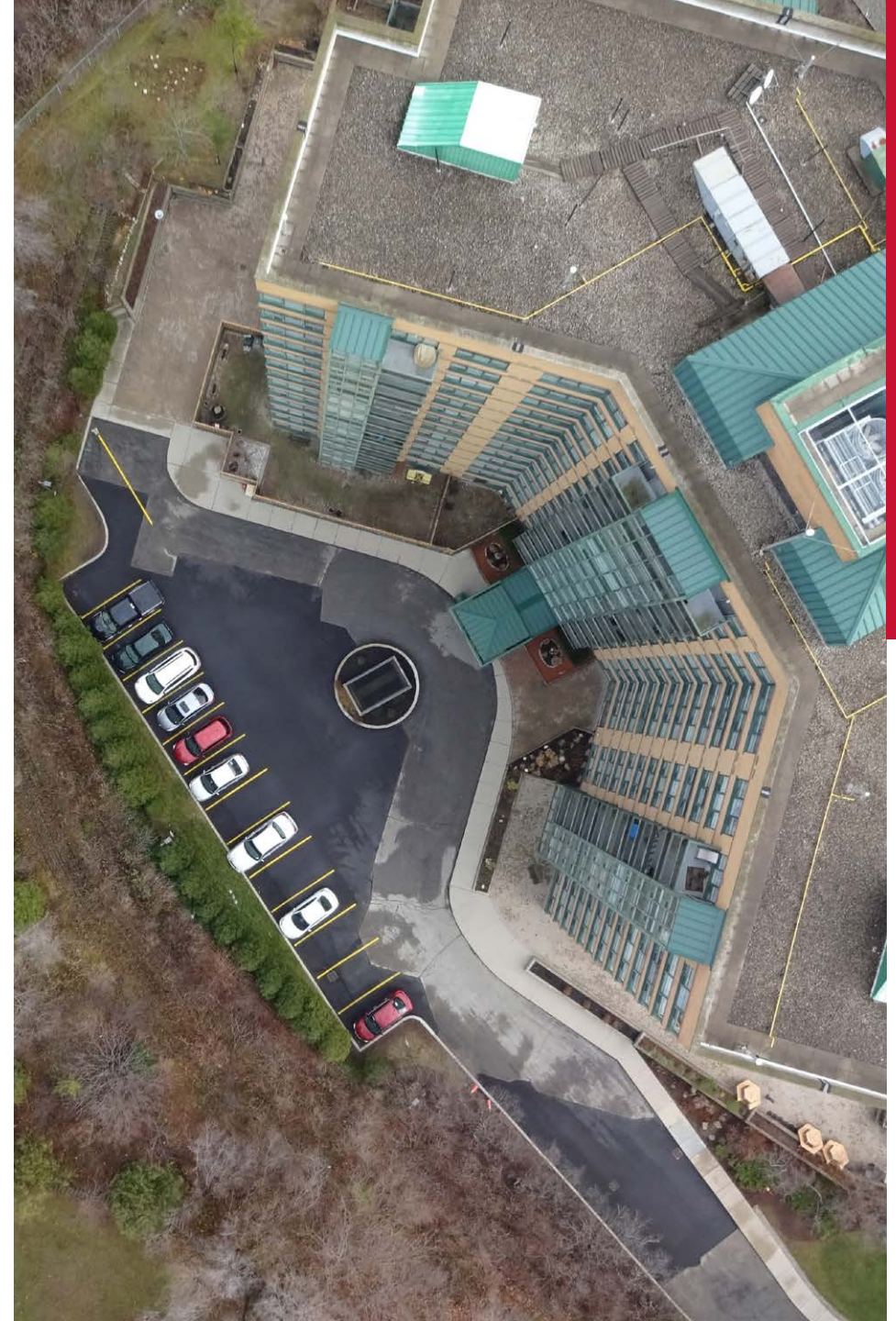
Members of the NA Group of Companies have always pioneered the latest technologies, and NA Geomatics Inc. has now continued this tradition with new Drone Surveying Tools. NA Geomatics Inc. employs a small fixed-wing drone for topographic surveying, capable of generating incredible amounts of valuable surveying information within the span of a short flight.

“Drone surveying allows us to - very quickly - survey large areas of land,” said David Brubacher, Woodstock Office Manager for NA Geomatics Inc. and the firm’s drone pilot. “The drone and GPS work very well together. In a short flight, you generate a high-resolution photo mosaic, and a 3D point cloud of the area you’re surveying. The point cloud includes millions of pieces of data that we refine. It’s a powerful tool for us.”

The drone also allows NA Geomatics Inc. to survey areas where the effectiveness of manned crews is limited, either because of safety (e.g. large gravel pits or stockyards), complexity, or size (e.g. oil and gas pipeline routing).

Brubacher also noted the cost savings of drone technology, “The cost-benefit to our customers when appropriately applying this technology is very real and measurable. If we were to monitor a construction site’s stockpile inventory through drone-based volume measurement, we could provide more information in 30 minutes than could be provided in a full day using traditional methods.”

Stay tuned for exciting future applications of our smallest employee!







## Golf Tournament Passes \$500,000 Milestone

### LONDON, ONTARIO

NA Engineering Associates Inc.'s Annual Golf Tournament passed a significant milestone this June, raising more than \$500,000 for local charities since the tournament's inception in 1996.

"Usually in golf it's low numbers that you want to see — but we're absolutely thrilled with this," said Nick Aroutzidis, NAE President & CEO. "It's a testament to our volunteers, the generosity of our sponsors, and the participation of our many clients and partners. We're very proud of all of them."

NAE would like to thank this year's participants and sponsors for their generous donations and commitment to helping us support those in need. Our 2017 major financial supporters included: Scotiabank, Scotia Wealth Management, Aecon Buildings, Bumstead Insurance Ltd., and more than 40 Hole Sponsors. Major prize donors included

Channer's Mens and Ladies Apparel, The Highland Country Club, Wendy's Restaurants, The Stratford Festival, Nash Jewellers, Nerds on Site, The Stratford Hotel, and TRD Components Ltd.

The grand total raised by this year's tournament was about \$32,000. Every year, 100% of the proceeds are donated to a variety of Ontario charities. This year's proceeds were donated to the Teresina Larizza Charities Foundation, the Stratford Perth Humane Society, local youth soccer associations, and the United Way.

"We donate our time and our money as part of our social responsibility and corporate philosophy," said Aroutzidis. "You have to give back to your community."

Preparations are already underway for the next tournament scheduled for Monday, June 11th, 2018. We look forward to another successful charitable event.

# Aligning Strengths and Opportunities

BY DAVID TANEL, P.Eng

I joined NA Engineering Associates Inc. in May of 2017, excited for the opportunity to draw from my past experiences and help an already successful and respected engineering firm continue to grow and evolve. After only 5 months of getting to know the people within our organization, the value we bring to our customers, and our unique capabilities, I have no doubt that I've joined an organization whose best days have yet to come.



With new levels of investment across multiple sectors, Ontario has entered into a phase of unprecedented growth and development. The province's natural gas distribution system is concluding its most significant expansion and fortification in decades. Nuclear facilities are engaging in multi-decade life-extension and refurbishment programs. Municipalities are renewing investment in our infrastructure. New technologies are fueling the creation of businesses that were essentially non-existent a decade ago.

It's easy to get excited for the future.

These province-wide developments are all long-term undertakings. Their success will be contingent on strong partnerships with local businesses, companies who align culturally

and technically to form mutually beneficial relationships. This is why I'm so excited to be part of this organization moving forward. We are safety-first culture with a community focus. We are innovative and agile. We foster a culture of trust and transparency, and are experienced in our approach to projects and their delivery. The very same organizational values and practices that I've observed in my first 5 months with NA Engineering Associates Inc. are perfectly aligned with Ontario's engineering needs in today's economic climate.

Thank you to NAE for an amazing welcome. To our valued clients and business partners, I look forward to a bright future of working closely together.