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## **Alberta Consulting Engineers Honoured at National Awards Gala Broad range of projects providing broad range of benefits to society**

**(OTTAWA) October 24, 2017** – From ensuring the restoration of critical infrastructure and the development of new technologies, to constructing unique and unconventional designs that unite communities and showcase culture, consulting engineers from across Alberta were celebrated for these outstanding achievements Tuesday night in Ottawa at the 2017 Canadian Consulting Engineering (CCE) Awards gala. Recognized as the industry's highest honours, the awards are presented to projects by Canadian firms that showcase the most remarkable engineering feats.

“These awards not only provide the opportunity to recognize the valuable contributions that consulting engineers make to our local communities, they showcase these outstanding achievements on a national stage,” said ACEC President and CEO John Gamble. “They bring focus to the important role that these projects, and consulting engineers in general, have on the social, economic and environmental quality of life of all Canadians.”

Well deserved awards are presented in a variety of categories, ranging from buildings and transportation, water and natural resources, to special projects and community outreach. Firms and projects from across Alberta earned four of the twenty **Awards of Excellence** from within these categories, with one project being honoured with an additional **Special Achievement Award**.

**RJC Engineers and Stantec** were not only the recipients of an **Award of Excellence** they were also recognized with an additional **Special Achievement Award**. For best showcasing how engineering enhances the social, economic or cultural quality of life of Canadians **RJC Engineers and Stantec** were honoured with the **Engineering a Better Canada Award** for their design of *Studio Bell, home of the National Music Centre*. This unique and unconventional design required inventive structural and mechanical solutions to achieve the client's goals of constructing an iconic piece of architecture to celebrate and support Canadian music.



The collaboration and creativity of **RJC Engineers and Stantec** helped bring Studio Bell to life. It is a visionary project of epic musical, architectural and engineering proportions. “RJC Engineers and Stantec are honoured to receive this award, recognizing the accomplishments of the entire team in delivering this cultural icon for Canada. We greatly enjoyed working with the National Music Centre – their passion for this facility is infectious and the perseverance of their vision was a true gift to the entire project team,” said Simon Brown, BSc, PhD, P.Eng. Principal at RJC Engineers.

The construction of Studio Bell also provided the opportunity to revitalize the historic King Edward Hotel, making the condemned structure safe and able to continue its legacy as a musical landmark. As evidenced, Studio Bell is an extraordinary combination of old and new, resulting in an incredibly enriching experience for Calgary, Canada, and the world. The first cultural institution in East Village, it has attracted growth and

development to the community. It is also a contributor to Calgary's economy, attracting an estimated 150,000 people annually to the City.



For their innovative solution that prevents productivity loss and improves cost effectiveness, **CIMA Canada Inc.** was recognized with an **Award of Excellence** for their *Online Control System Migration of an Industrial Centrifuge* project in Fort McMurray, AB. The project involved updating the controls of one of Suncor Energy's 500 horsepower centrifuges used during a component of the oil sands recovery process.

Without affecting operations, CIMA's innovative TEMPUS tool, piloted in this project, enabled live hot cutover migration to new controls. It eliminated the need for plant outages and prevented the possibility of unplanned shutdowns.

By seamlessly migrating the old system to the new, while maintaining all plant operations, the pilot project was not only successful it demonstrated TEMPUS' effectiveness for future applications as well as CIMA's strive for and commitment to excellence," said David Findlay, Instrumentation and Controls Lead, CIMA Canada Inc. "The TEMPUS tool not only redefines control system migration standards, but also highlights CIMA+'s innovation, leadership, and expertise in the automation industry."

**Stantec Consulting Ltd.**, along with their win for their role in the construction of Studio Bell was the recipient of two other **Awards of Excellence** in the Water Resources category for their *Fort McMurray Wildfire: Wastewater and Stormwater Recovery* project, and in the Community Outreach and In-House Initiatives category for the *amiskwaciy Academy Sweat Lodge Shelter* project.



Following the devastating wildfires in Fort McMurray, the wastewater treatment plant was inundated with water from the sewer system and the plant's biological process required a transplant of biologically active seed material. Sewage lift stations sustained an array of damage and the debris impacted the wastewater treatment plant and the collection system. Stantec assessed this critical infrastructure and restored it quickly for the repopulation of this community. Working under a state of emergency, the Stantec team also ensured lift stations remained in operation to prevent sewer backups from damaging homes that were not impacted by the fires. "We wanted to ensure all 88,000 evacuees could return the community they call home," said Todd Simenson, Vice President and Regional Leader – Alberta North and Territories. "Today, we see a resilient City and that has come together to rebuild. It's an honour to be recognized for our contribution to Fort McMurray's recovery."

For the *amiskwaciy Academy Sweat Lodge Shelter* project amiskwaciy Academy had a vision for a traditional sweat lodge built on Edmonton Public Schools' property in which to conduct traditional ceremonies, teachings, and rituals. Stantec jumped at the rare opportunity to design the shelter to protect against the elements and to provide privacy. "When we began the amiskwaciy Academy Sweat Lodge

Shelter project, we aspired to build a community gathering space respectful of the amiskwaciy tradition – a tranquil space suitable for holding traditional sweat ceremonies" said Robert Bourdages, Principal, P. Eng. Stantec Consulting Ltd.



For this project Stantec not only acted as the prime consultant, they provided architectural and structural design, as well as more than 20 Stantec team members to

participate in the construction alongside Academy staff and students, and Leducor Construction, the builder. This collaborative community project provided an exchange of technical knowledge and culture between Stantec and amiskwaciy staff, students, and Elders that made their vision a reality. “It is an honour to receive an Award of Excellence to celebrate the final structure, born out of a process of collaboration, cultural exchange, and community consensus.” - Robert Bourdages, Principal, P. Eng., Stantec Consulting Ltd.

In November, follow the [#20DaysOfExcellence](#) in engineering campaign on Twitter and at [www.acec.ca/20daysofexcellence](http://www.acec.ca/20daysofexcellence) to watch videos of other award-winning projects like these and to learn more about the impact of consulting engineering on our quality of life.

### **About award-winning firms**

**CIMA+** is a Canadian multidisciplinary firm that specializes in consulting engineering, project management, urban planning, communications systems, and the environment, allowing for a full range of services in urban infrastructure, transportation, buildings, industry, energy and hydroelectricity, telecommunications and geomatics. With 40 offices across Canada and Africa, CIMA+ employs close to 1,800 people, nearly 60% of which share ownership in the company. [www.cima.ca](http://www.cima.ca)

**RJC Engineers** delivers on their promise of creative thinking, practical results. A national firm owned by its senior employees, RJC is one of North America’s leading engineering firms. [www.rjc.ca](http://www.rjc.ca)

**Stantec Consulting Ltd.** designs with community in mind and unites approximately 22,000 employees in over 400 locations across six continents. Their work in engineering, architecture, interior design, landscape architecture, surveying, environmental sciences, project management, and project economics, from initial project concept and planning through design, construction, and commissioning—begins at the intersection of community, creativity, and client relationships. [www.stantec.com](http://www.stantec.com).

### **About Awards co-sponsors**

**ACEC** represents companies in Canada that provide professional engineering services to both public and private sector clients. These services include the planning, design and execution of all types of engineering projects, as well as providing independent advice and expertise in a wide range of engineering and engineering-related fields. For more information about ACEC and the 2017 Canadian Consulting Engineering Awards, please visit [www.acec.ca](http://www.acec.ca).

**Canadian Consulting Engineer** is a bi-monthly magazine for engineers in the construction industry. It is a division of Annex Publishing & Printing Inc. The award-winning projects are described in full in the October-November 2017 issue of *Canadian Consulting Engineer* at <http://www.canadianconsultingengineer.com/digital-edition/>.

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### **Multimedia (includes project description, video, photo)**

[CIMA Canada Inc. project photo](#)

[CIMA Canada Inc. project page on acec.ca](#)

[RJC Engineers and Stantec project photo](#)

[RJC Engineers and Stantec project page on acec.ca](#)

[Stantec Consulting Ltd. \(amiskwaciy Academy Sweat Lodge Shelter\) project photo](#)  
[Stantec Consulting Ltd. \(amiskwaciy Academy Sweat Lodge Shelter\) project page on acec.ca](#)

[Stantec Consulting Ltd. \(Fort McMurray Wildfire: Wastewater and Stormwater Recovery\) project photo](#)  
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