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DCC will be playing a significant role in the next two years in helping the Department of National Defence (DND) to improve the condition of armouries in 57 communities across Canada.

These facilities are among the beneficiaries of a \$452-million federal government investment in military assets under the Federal Infrastructure Investment Program.

The work on the armouries will include repairing roofs, siding, windows, doors, plumbing, HVAC and electrical systems, refurbishing flooring and painting. DCC will support DND in the planning phase by assisting with the project scope, delivery schedules and project budgets, and with navigating any roadblocks to getting a project ready for tendering, explains Grant Sayers, DCC's National Service Line Leader, Project and Program Management Services. "Overall, DCC is able to coordinate all service lines to enable holistic service delivery to support the entire lifecycle of each project," he adds.

DCC's contribution to the program actually began some months ago. Teams of DCC employees travelled to the various armoury sites, reviewed the building conditions, and collaborated with local DND resources to define a scope of work that would meet the funding requirements, added David Sherrard, Regional Service Line Leader, Project and Program Management Services for the National Capital Region.

This work on the armouries "represents an investment by DND in improving communities," Sherrard says. Several of the facilities are historic buildings and have had a presence in their town or city since the turn of 20th century. Among them are the Citadelle in Quebec City and Wolseley Barracks in London.



The Citadelle of Quebec military installation is the largest British fortress built in North America. The \$4-million restoration of Mann Bastion's retaining wall was contracted by DCC to preserve the Citadelle's heritage status.

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With six-storey climbing walls, mock storm sewers, a mock elevator shaft, a four-storey "building-within-a-building," and a multitude of rappelling surfaces, the new Canadian Army Advanced Warfare Centre (CAAWC) is a veritable adventure, with a very serious objective.

The \$36.5-million training facility at 8 Wing Trenton, inaugurated in July 2015, is 3,000 m² bigger than the old centre and equips elite soldiers and paratroopers to train for desert, jungle and cold weather operations. It even includes a mock skydiving suspension system.

About 1,000 elite soldiers a year will pass through the building for parachutist-related courses, aerial delivery, mountain operations, rappelling, patrol pathfinder, and all parachute rigger qualifications.

The Canadian Armed Forces Skyhawks parachute team will also train there.

"This new state-of-the-art building, designed with input from members of the Canadian Armed Forces, will help ensure our interoperability in a variety of training and operational settings," says the centre's commanding officer Lieutenant-Colonel François Dufault.

Lead DCC construction coordinator for the project, Dan Heslinga, says aside from contributing to the operational effectiveness of the Canadian Armed Forces, the centre was the most fascinating project he's ever worked on.

"I can't imagine constructing a building like this, for a client like this, anywhere else in Canada," says Heslinga.

"The CAAWC project was literally about creating an advanced Army training centre with every configuration you can imagine, to help these elite soldiers train. The better trained our soldiers are, the more capable they are, which can only be good for Canada. It was very rewarding being a part of that outstanding project."



Interior of the Canadian Army Advanced Warfare Centre at 8 Wing Trenton prior to opening. DCC contracted for and managed the construction of this specialized training centre, where CAF members learn skills associated with parachuting, Arctic operations, mountain operations and helicopter operations.

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The move is a win-win for DCC, industry and the environment as e-bids are greener, reduce time, improve analysis and are expected to add little or no cost to industry.

"The procurement process lies at the very core of our ability to be effective and cost efficient," says Mélinna Nycholat, Vice-President, Operations—Procurement.

"Adopting an online, e-bidding capability enhances industry access, makes contract administration more efficient, reduces the potential for bidder errors and allows DCC to more easily manage the tendering process from beginning to end. We are very excited to launch e-bidding this fall for the benefit of everyone involved in supporting the Department of National Defence and Canadian Armed Forces through DCC contracts."

Using e-bids, contractors can submit their bid online, revise their bid at any time prior to tender close, upload their e-bid bond directly into the system, submit their bid security through an electronic fund transfer and receive a confirmation number once the e-bid is submitted. Nycholat adds there will be minimal or no additional cost to contractors who submit electronically and DCC will not be using reverse auctions on the e-bidding system. She says tenders that do not require bid security will be rolled out first on a region-by-region basis.

Future phases will include tenders that require bid bonds followed by tenders where bid security is provided through an electronic funds transfer. Electronic submission of Requests for Proposal will be developed in future years

For more information, contact Richard Allie, DCC Procurement Specialist at richard.allie@dcc-cdc.gc.ca.

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DCC has been recognized for its collaborative efforts to improve energy management at 8 Wing Trenton.

Joseph Newton and Jeff Lamer, two DCC Trenton employees, were part of a team that also included National Defence and Natural Resources Canada (NRCan) representatives that received NRCan's Collaborative Award in June 2015 for developing the base's Energy Master Plan.

Newton and Lamer facilitated site visits to the base and audits of its utilities, provided insight into the base, how it functions and its energy use and retrieved energy use data from utility providers.

"We acted as the energy advocate for the base," explains Lamer, Technical Specialist, Real Property Management. Lamer and Newton, Technical Specialist, Project Management, have detailed knowledge of 8 Wing operations, building use and configuration due to their multi-year work studying and managing the base's energy costs. "This knowledge significantly furthered the development and accuracy of the Energy Master Plan," Lamer says.

The collaborative element for which the team won the award was showcased by the pair's work with NRCan scientists to evaluate the information gathered during the audits to ensure data accuracy. "Our input was very much appreciated," Lamer says, "since it helped the scientists understand the occupants' requirements. It was also helpful for us to understand what type of information the scientists needed."

The final plan, which was completed in July 2014, will ensure 8 Wing's energy efficiency and energy security well into the future.



Jeff Lamer (front row, far left) and Joseph Newton (front row, far right) with a number of the team members, along with NRCan's Assistant Deputy Minister, Innovation and Energy Technology, Frank Des Rosiers (back row, fourth from left), and Senior Director, Operations, Maria Pemberton (front row, second from right).

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DCC at Work is our corporate newsletter, delivered bi-monthly to our public- and private-sector partners and the public at large. The articles in *DCC at Work* focus on service-delivery success stories, from the most complex projects to innovative ideas that save time and money.

To suggest story ideas or to comment on the newsletter, please contact [the Editor](#).

Look for the next issue of *DCC at Work* in October 2015.



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