



Heritage Restoration at RMC Re-Opening Ceremony at Stone Frigate

In early April 2004, the Department of National Defence officially re-opened the newly renovated Stone Frigate building at the Royal Military College in Kingston, Ontario after \$6.6 million worth of renovations.

The Stone Frigate was constructed in 1820 along the east shore of Point Frederick to store part of the dismantled fleet from the



The Hon. Peter Milliken, MP for Kingston and the Islands, cuts the ribbon at the re-opening ceremony for the Stone Frigate.



Below is the front view of the Stone Frigate Building. Above is a typical dormitory room interior. DCC provided contracting, and contract management services for this major historical renovation project.



War of 1812. The first renovation was done in 1874 when the former warehouse was turned into a dormitory and classrooms for the military college. This past year, the Frigate has once again been given a breath of new life.

Renovations began in the summer of 2003 with the demolition of all interior walls and finishes. Work included constructing new structural supports, interior walls and finishes; installing windows, doors, and mechanical and electrical services; and building an annex extension, complete with elevator service and state-of-the-art communication equipment. These upgrades will take the Frigate forward in to the next century. For more information, contact Ron Bachelder, Contract Coordinator, (613) 541-6000, ext. 6075.

EPC Leadership

Bruno Champeval, Area Engineer, Quebec Region, was recently appointed the national service line leader for energy performance contracting (EPC).

This appointment is another step that DCC is taking towards organizing its business along service lines.

The service line organization gives staff at site and regional offices clear and easy access to internal resources specific to a particular service line. In this case, as service line leader for EPC services, Champeval can provide immediate technical and business management support. "The benefit of the service line concept is in the improved quality of service delivered to DND," says Champeval.

By ensuring timely delivery of resources and increasing technical backup for site offices, DCC can provide more consistent pricing

and standards for the energy performance contracts service. "It will also increase DCC's total knowledge base and expertise," adds Champeval. "People are going to be learning from the experience of others across the country."

A conference in June, for example, will see DCC, DND and energy savings companies teaming up to consider ideas for improving DCC's and DND's processes and projects. "Lessons learned is one thing that we're going to focus on," he explains.

In addition, Champeval says that DCC is now better placed to help its client identify opportunities for energy savings measures (which are paid for through the resulting energy savings). This approach will contribute to DND's strategies to manage energy and reduce greenhouse gas emissions.

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Bagotville Control Tower Opening Ceremony



Above, Karen Ellis, Assistant Deputy Minister, for Infrastructure and Environment officially opens the new



This new \$6 million dollar control tower is 27 metres high and serves a 3,000 metre runway. Personnel who worked together on the project, from left to right, Bruno Champeval, Major Marcel Côté, Michel Gagnon, Vincent Begin, Sandra Tremblay, Maryse Blackburn, and Stéphane Demers.

What's New at DCC

Gary Steinhauer has been appointed Explosive Ordnance (EOD) Contract Co-ordinator for the Western Region. Gary recently completed 30 years of service with the Canadian Forces in the ammunition technician trade. He will be providing contract management services for the Harvey Barracks Project in Calgary and assist with up-coming EOD/UXO clearance projects at Suffield and Wainwright. Based out of the Calgary office, Gary can be reached at (403) 998-1102.

This past March, DND, DCC and UMA Engineering received the Consulting Engineers of Alberta Award of Excellence. This award recognized work completed on DEW Line sites in the Western Arctic, noting that the clean-up project benefited society since it provided employment, training and business opportunities for the Inuvialuit. At the same time, the project was cited as an example of innovative use of technology to mitigate risks associated with the Arctic climate.

LEED Accreditation Focuses on the Environment

As DND pursues its sustainable development strategy, DCC is actively looking for ways to help. This strategy includes supporting employees such as Michael Freemark, senior technical advisor in the operations department, as they work to become Leadership in Energy and Environmental Design (LEED) accredited professional.

LEED, a project of the U.S. Green Building Council, was developed to quantify the meaning of environmentally friendly or "green" in relation to buildings. It now has two aims: to certify building projects, and to accredit building professionals.

Freemark, who received his accreditation at the end of January 2004 after a comprehensive study course and exam, says he volunteered for the program because he has always been interested in sustainability.

The LEED concept covers a complete range of building construction issues, including sustainable sites, water and energy efficiency, material use, indoor environmental quality and design innovation.

"It encourages you to look at things like building material re-use and construction waste management," explains Freemark. "And it promotes commissioning, which involves checking that a system is not only installed properly, but is also working the way it should — that's something that DCC has a great interest in."

DCC has already used elements of LEED certification on several projects. "DND has committed to reducing their greenhouse gas emissions, and green building is one way to do that," Freemark notes. "We're working with DND to aid them whenever we can in the development of their green building policy."

Bagotville Control Tower

The new air traffic control tower at CFB Bagotville, named the Sir Charles Bagot, opened April 2, 2004. This project was the result of a close collaboration between the base's military personnel, the engineering group, especially architecture and engineering officer Michel Charbonneau, civil engineer Michel Gagnon, architect Stéphane Demers, mechanical section chief Luc Filteau, electronic section chief Alain Proteau and Major Marcel Côté from HQ and DCC.

Because of the advances in air traffic control systems in recent years, the old tower did not have enough space to

accommodate new equipment. The new the tower will have increased space, as well as increased protection against noise and fire, an upgraded air conditioning and heating system, as well as new washroom facilities.

Built at a cost of \$6 million, the new tower is 27 metres high (seven storeys) and serves a runway 3,000 metres long. The control centre itself has a usable floor area of 950 m². The old tower, dating from 1953, was four story's high with only 70 m² of usable space. Most aircraft used to be able to take off from a runway 1,500 metres long.