

CAGBC OTTAWA CHAPTER MARKS FIFTH ANNIVERSARY

The Ottawa Region Chapter of the Canada Green Building Council [CaGBC] has marked its fifth anniversary, starting from a local group of about 30 design and building professionals anxious to advance green building in the national capital. Beginning as the National Capital Green Building Association, the group became an official CaGBC chapter in June, 2007.

With 175 individual members, the chapter hosts more than 20 seminar and building tour events per year and is preparing to hire a full-time executive director, as has been done at the Toronto and Vancouver CaGBC chapters. The CaGBC chapters provide excellent networking opportunities and information resources on sustainable design and local areas and, in fact, are the only avenue for individuals to belong to the CaGBC.

Information on all CaGBC chapters, and how to join in your area can be found at [www.cagbc.org](http://www.cagbc.org). Ottawa info: [chris@vertdesign.ca](mailto:chris@vertdesign.ca)

Projects

KWANTLEN POLYTECH CAMPUS LARGEST LEED® GOLD TRADE SCHOOL IN NORTH AMERICA

BC's Kwantlen Polytechnic University Coverdale Campus has achieved LEED® Gold certification in the New Construction category from the US Green Building Council. Designed by the leading sustainable architectural practice of Bunting Coady Architects, the new 17,200 sq.m. campus accommodates up to



KWANTLEN POLYTECH

900 full-time students in 21 shops and 27 classrooms.

A key focus of the project team was the creation of a passive design to ensure effective use of the campus microclimate. The large north and south facades maximize control of sunlight [glare] and heat gain/loss. The anticipated energy savings is 31%, and green power purchases for the project supply enough renewable energy to replace 100% of the facility's regulated electrical usage, contributing to the project's annual reduction of GHG [Greenhouse Gas] emissions by 59 tons.

An indoor 'covered street' provides visual and physical access to every floor and ensures optimum natural light and ventilation. Roofs have skylights, and multi-coloured glazing and 'Y' shaped interior glulam beams in the atrium also add to the vibrancy of the design.

Teresa Coady, CEO and design principal for Bunting Coady Architects says, "The campus is probably the most beautiful facility of its kind in North America. Its LEED® Gold certification is a triumph for the entire design team."

MANASC ISAAC WINS DESIGN EXCHANGE AWARD FOR WATER CENTRE

The Calgary Water Centre received a Design Exchange Award of Merit at a ceremony held in Toronto in November. Designed by Manasc Isaac in collaboration with Sturgess Architecture, The Water Centre is the largest LEED-rated office building in Alberta and one of the first to be built under the City's Sustainable Buildings Policy requiring all new facilities to meet a minimum LEED silver certification.

Water conservation is a primary design consideration. Some of the building features include: a green roof, rainwater harvesting and zero irrigation landscaping. Water that would normally be wasted in the metering shop is cycled into the building's operation with the grey water system for toilet flushing, site irrigation, and truck washing. Superior energy efficiency and work environment were also achieved.

Manasc Isaac is at the forefront of environmental design, and was one of the first in Canada to adopt the 2030 Challenge.

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FEDERAL BUILDING IN EDMONTON

KASIAN TO REJUVENATE HISTORIC EDMONTON LANDMARK

Kasian, a global architecture and interior design firm, will lead the design transformation of the Federal Building and Centennial Plaza project located on the Alberta Legislature in Edmonton. The re-design of the landmark building, built in 1958 and unoccupied since 1989, will focus on preservation and sustainability while drawing inspiration from the art deco style of the original architecture.

Kasian has assembled a team that includes heritage architects and conservation specialists, Goldsmith Borgal and Company Architects; and urban design and planning specialists, Moriyama + Teshima Architects and Planners. Scheduled for completion at the end of 2011, the project also includes a new 650-stall underground parkade, and a new public plaza.

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CALGARY WATER CENTRE