

GREEN GLOBES

CANAL BUILDING

BUDGET:

\$30,400,000

ARCHITECT:

GRC/ Morivama & Teshima

MECHANICAL/ELECTRICAL CONSULTANT:

Crossey Engineering

GENERAL CONTRACTOR:

R.E Hein Construction

CONSTRUCTION PHASE:

March 2009 to January 2011

OCCUPANCY DATE:

February 2011



CANAL BUILDING

CARLETON UNIVERSITY, OTTAWA

GREEN GLOBE RATING

The Canal building houses the Aerospace and Sustainable Energy Engineering programs and the new Masters of Applied Science in Biomedical Engineering. There is also substantial student common space. This building has been designed to meet a high level of sustainability by incorporating sustainable design and construction practices, this ensured a maximum 5 globe rating.

KEY SUSTAINABILITY FEATURES

Carleton University's standard for new buildings and renovations is to achieve at least three out of five globes using the Green Globes sustainable building rating and evaluation system. Green Globes evaluates factors including project management, site use, energy consumption, space utilization, light and water optimization, building envelope integrity, materials, waste management etc.

For more information, please visit: www.greenglobes.com.

- The "fins" in rendering built to provide shading to the west-facing windows from the afternoon sun.
- A 10kW array of 25 roof top solar panels.
- Occupancy controlled dimmable lighting in every room.
- Day-lighting provided to 80% of the primary space.
- Low-flow water saving fixtures.
- Energy efficient HVAC and electrical equipment, including an energy recovery wheel.
- Energy use that will be at least 28% more efficient than the National Energy Code.
- Green roof and landscaping designed with native drought resistant plants to eliminate irrigation.
- Interactive large screen in the main foyer displays information about the building's operations and sustainable features.
- Building Automation System and controls.
- Sub-metering down to floor level.
- CO₂ and occupancy sensors in each room.

For more information, please contact:

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Sustainability
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