



Services Provided:

- ❑ Sustainability/LEED Consulting
- ❑ Energy Third Party Review
- ❑ Green Education Program

Fast Facts:

Project Type: Post-Secondary
Size: 14,591 m² (157,000 ft²)
Certification: LEED® Gold Certified
Construction Cost: \$51.1 million
Project Span: 2013 - 2017

Notable Achievements:

Energy Savings: 33%
Water Savings: 37%
Recycled Content: 22%
Regional Materials: 34%
Waste Diversion: 90%

Owner Contact:

Richard Francki, Assistant Vice-President, Campus Service – York University
 (416) 736-5530
rfrancki@yorku.ca

Architect:

Paul Stevens
 Senior Principal

ZAS Architects + Interiors

The Bergeron Centre for Engineering Excellence – York University

Toronto, Ontario

Located on a campus of 104 buildings and 10 million square feet, the Bergeron Centre for Engineering Excellence has recently become York University's first LEED Gold certified building. The facility provides a holistic platform to educate the next generation of 'Renaissance Engineers'; creative problem solvers and entrepreneurial leaders with a social conscience.



Through a highly integrated and collaborative process, the design team was able to attain LEED Gold certification, a first for York University and a considerable achievement for a facility with a large, energy intensive laboratory component. The sustainable design strategy was based on sustainable site development, materials management, waste diversion and innovation credits that included an extensive public education and outreach program.

The project transforms what was a "back of campus" site into an entry point linking two major pedestrian routes and ensuring continuity of the public realm that leads to the University's recently completed subway station. These strategies are important, as more than 80% of commuter's now travel to York by public transit, walking, cycling or carpooling. The design brings the student community together using streetscape furniture, planting strategies, sheltered courtyards and night sky friendly lighting.

The extensive green roof is an important water management tool but also a highly visible ecological and educational component of the project. It exceeds the minimum size mandated by Toronto's green roof bylaw.

Daylight strategies are designed both to save energy and to enhance occupant wellbeing. Occupancy sensors are installed in interior areas, while daylight sensors are used in perimeter areas. Full cut-off 'dark sky' LED lighting is used externally. Operable windows were not considered, as all laboratory areas require positive air pressure for exhaust ventilation. Therefore, CO2 sensors are used to regulate air change rates in classrooms, meeting rooms and labs.