



**Wilfrid Laurier University, The Global Innovation Exchange  
Lazaridis Hall**  
Waterloo, Ontario

LEED GOLD

LEED EXPERIENCE



**Client**

Wilfrid Laurier University

**Architect**

Diamond and Schmitt Architects

**Project Completion Date**

April, 2017

**Type of Contract**

Lump Sum

**Project Value**

\$75,140,000

**Project Description**

The Global Innovation Exchange building project consisted of approximately 21,000 m<sup>2</sup> of new construction located at 64 University Avenue West in Waterloo, Ontario. This academic building's construction included a 1,000 seat auditorium, lecture halls, computer laboratories, faculty offices, a central atrium, and café and was recently commemorated Lazaridis Hall. The four storey building was built with a reinforced concrete structure including large structural steel components and a penthouse. Cantilevered elements were supported by 2 storey wide flange steel trusses and welded wide flange beams.

Lazaridis Hall achieved LEED Gold standards. The building included sprinkler, fire alarm, security, audiovisual equipment, data, and voice communication systems. Electrical work included state of the art lighting and control systems. The mechanical work included a standalone, central plant for heating and cooling. Mechanical systems were chosen for energy efficiency and included: in-slab (heat and cool) hydronic systems, chilled beam cooling systems, displacement ventilation systems, and variable air volume systems. Rainwater is collected and recycled for irrigation and as a grey water system. The project included a fully digital building automation system that is interfaced to the WLU central campus system. Related underground utility and civil works included building servicing and construction of an on-site parking lot for approximately 120 vehicles. The 1.54HA site area also included landscaping.