

 **PROJECT PROFILES**



DURHAM COLLEGE / CENTRE FOR COLLABORATIVE EDUCATION

OSHAWA, ON

Client: Durham College

Size/Area: 75,000 square feet (7,000 square metres)

Cost: \$27 million

The Centre for Collaborative Education at Durham College was a legacy project replacing the college's original Simcoe Building. Officially opening its doors September 2018, the 4 storey multi-use facility features numerous collaborative learning and social spaces, state of the art labs, classrooms, entrepreneurial and maker spaces and the Aboriginal Centre. The CFCE utilizes rooftop solar panels and green roofing on the lower levels, along with glazed windows to bring light into the building, to help achieve sustainability. Targeting LEED® Silver certification, the building has already won City of Oshawa Urban Design Award for 2018.

HVAC systems consist of a hot water heating plant, glycol heating plant, chilled water plant, variable volume air handling units with heat recovery (enthalpy) wheels, lab fume hoods and control system, LV lighting control system and solar photovoltaic system. The building has full DDC control down to and including the individual spaces.

SERVICES PROVIDED BY CFMS:

- Preparation of the commissioning plan
- Commissioning coordination
- Installation review from a commissioning prospective
- Witnessing static and dynamic contractor tests
- Verification of DDC system and BAS
- 100% performance testing of HVAC and lighting control systems
- Co-ordination of mechanical & electrical equipment and systems training
- Seasonal performance testing of HVAC systems.

REFERENCE:

Durham College

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