

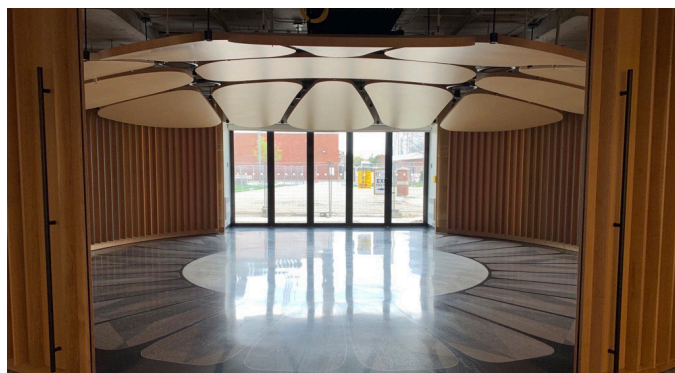


FANSHAW COLLEGE INNOVATION VILLAGE

LONDON, ON

QUICK FACTS

- + Design-Bid
- + Post-Secondary
- + 100,000 square feet
- + \$58-Million Budget
- + Smith + Andersen Mechanical, Electrical, Communications, Security, Audio-Visual, and Intelligent Integrated Systems
- + Sustainability Services (Footprint)



RENDERINGS (MAIN IMAGE AND LEFT) COURTESY OF DIAMOND SCHMITT ARCHITECTS.



FANSHAWE COLLEGE INNOVATION VILLAGE

ABOUT THIS PROJECT

- + Redevelopment of existing buildings on Fanshawe College's main London campus into a space for experiential learning and the student community.
- + Features include a Library Learning Commons, an Indigenous spirit assembly (for workshops, summer camps, exhibitions, and smudging and pipe ceremonies), collaborative work spaces, labs, and study spaces.
- + Heating and cooling for the space is provided by a new central campus plant via underground piping. Low heating, high-efficiency fan coils are utilized for temperature control.
- + Classroom and break out room technology is designed primarily for distance learning and to support high quality devices.
- + The ventilation air features a high efficiency dual-core energy recovery wheel, connected to an HVAC load reduction module (air scrubber), to help improve outside air quality and optimize energy consumption.
- + The new L building features building-integrated photovoltaics and photovoltaic roof panels, which supply the building with approximately 55 per cent of its electricity needs.
- + Special consideration areas, such as the Indigenous ceremony circle space, maker spaces and design studios, are controlled by dedicated local exhaust systems.
- + Audio-visual features include flexible infrastructure for rented or future installed line array loudspeaker system, lighting truss, portable video wall, and stage connection boxes for two stage locations.
- + The team redesigned the campus's entire fibre backbone distribution, including relocating and re-routing over 15,000 feet of fibre cable, to avoid the demolition zone during construction.
- + The augmented reality/virtual reality (AR/AV) classroom features motorized pipe grids to optimize the possibilities for lighting and motion capture sensor locations.
- + All plumbing fixtures use automatic, hands-free technology with local instantaneous hot water production to save on energy loss from central domestic water re-circulation.

LOCATION

London, ON

SMITH + ANDERSEN SERVICES PROVIDED

Mechanical, Electrical, Communications, Security, Audio-Visual, Intelligent Integrated Systems, Sustainability (Footprint)

KEY TEAM MEMBERS

Diamond Schmitt Architects

SIZE

100,000 sq. ft. (9,300 sq. m.)

BUDGET

\$58 Million

COMPLETION YEAR

2023

HOT BUTTONS

POST-SECONDARY

RENOVATIONS

AUDIO-VISUAL

SUSTAINABLE DESIGN

DESIGN-BID

PHOTOVOLTAICS

MECHANICAL DESIGN

ELECTRICAL DESIGN