

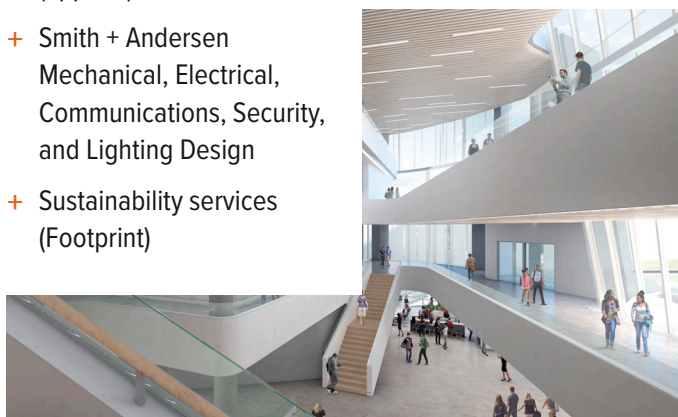


# YORK UNIVERSITY MARKHAM CAMPUS

MARKHAM, ON

## QUICK FACTS

- + Phase One of a Three-Phase Development
- + Ten-Storey Building with Five-Storey Atrium
- + LEED® (Target)
- + \$180 Million Budget
- + 395,000 square feet (approx.)
- + Smith + Andersen Mechanical, Electrical, Communications, Security, and Lighting Design
- + Sustainability services (Footprint)



RENDERINGS COURTESY OF DIAMOND SCHMITT ARCHITECTS.



# YORK UNIVERSITY MARKHAM CAMPUS

## ABOUT THIS PROJECT

- + Cutting-edge facility that embraces the limited five-acre site by engaging with surrounding businesses to develop a ‘complete community’, as well as utilizing the existing Markham District Energy plant and infrastructure.
- + Campus features a flexible and sustainable design to maintain environmental responsibility throughout future growth.
- + Phase one of the three-phase development includes a complete campus realized through one 10-storey building with a five-storey atrium at the centre.
- + Facility includes spaces for teaching and collaboration, a vivarium, a library, dry and wet laboratories, and a full research facility.
- + Heating and cooling provided by the Markham District Energy plant, eliminating the need for a boiler system on site.
- + Majority of the building is cooled using a chilled beam system served by heat recovery air handling units.
- + The laboratory areas utilize 100 per cent outside air variable volume systems and monitors to maintain air change rates for occupant safety.
- + Every floor is equipped with electrical distribution and fire alarm systems, as well as LED lighting with occupancy sensors and daylighting controls.
- + Specialty lighting services includes the design and selection of fixtures, the creation of lighting mock ups, luminaire aiming, and coordination with local codes, sustainability specialists, and site plans.
- + Telecommunications design includes the ability to connect the Markham campus to the York University network using a redundant dark fibre interconnection that interfaces with the main campus data systems.
- + Facility-wide WiFi coverage, with telecom spaces that accommodate additional racks and cabinets for future growth.
- + Campus security system is an extension of the York University main campus, fully integrated with the Seneca College database, as students from both facilities will be sharing the space.

**LOCATION**  
Markham, ON

**SMITH + ANDERSEN  
SERVICES PROVIDED**  
Mechanical, Electrical,  
Communications, Security,  
Lighting, Sustainability  
Services (Footprint/

**KEY TEAM MEMBERS**  
Diamond Schmitt Architects

**SIZE**  
395,000 sq. ft (36,700 sq. m)

**BUDGET**  
\$180 Million

**COMPLETION YEAR**  
2021

**SUSTAINABILITY**  
LEED® (Target)

## HOT BUTTONS

POST-SECONDARY

LIBRARY

VIVARIUM

OFFICE SPACES

SUSTAINABLE DESIGN

LABORATORIES

LIGHTING DESIGN

LEED