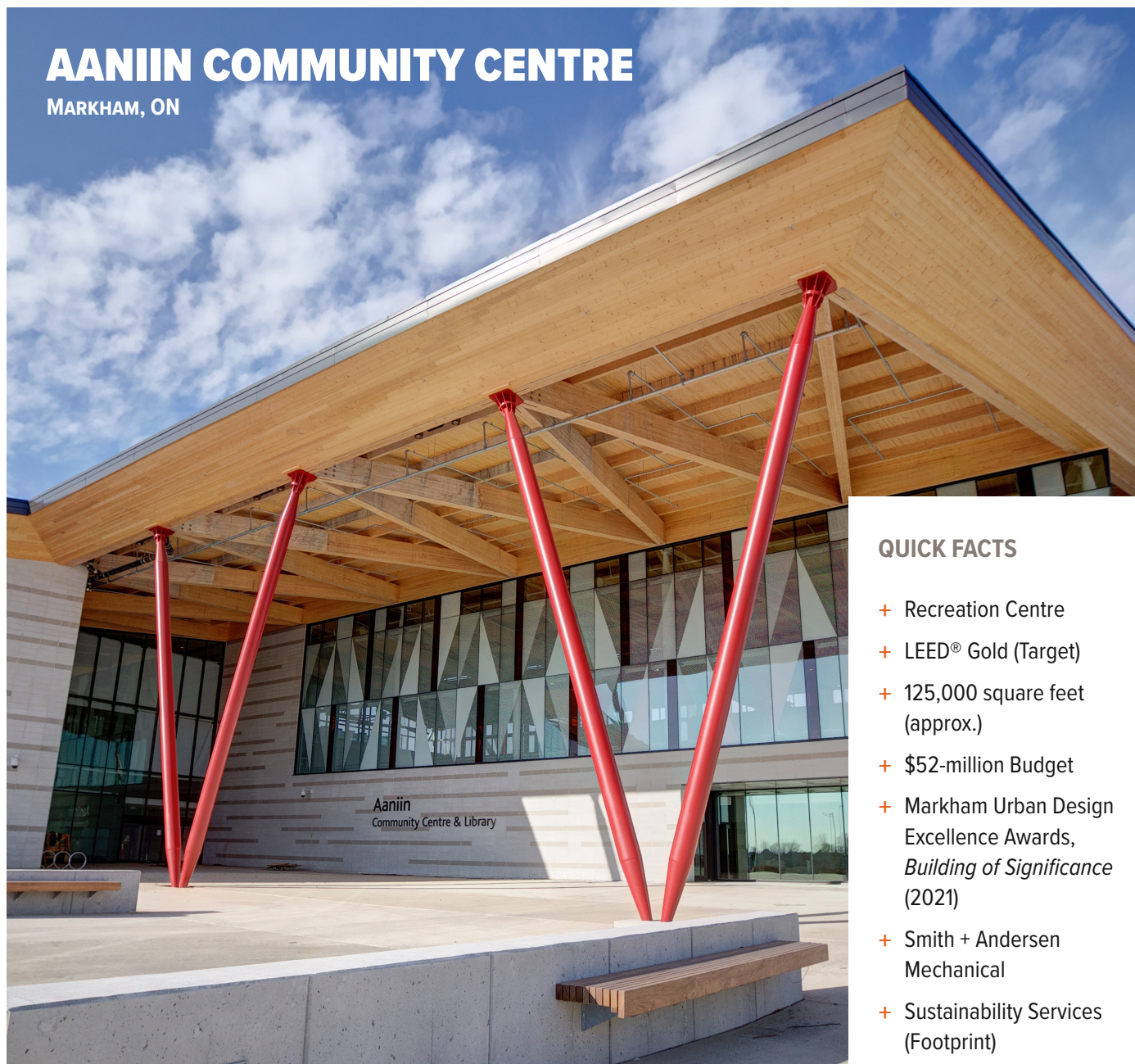




AANIIN COMMUNITY CENTRE

MARKHAM, ON



QUICK FACTS

- + Recreation Centre
- + LEED® Gold (Target)
- + 125,000 square feet (approx.)
- + \$52-million Budget
- + Markham Urban Design Excellence Awards, *Building of Significance* (2021)
- + Smith + Andersen Mechanical
- + Sustainability Services (Footprint)



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AANIIN COMMUNITY CENTRE

ABOUT THIS PROJECT

- + Contains 125,000 square feet of engaging public space (includes a library, gymnasium, aquatics centre, creation studios, teaching kitchen, and a sensory room with calming light displays).
- + Spent more than a year collaborating with the community to create a facility that would be inclusive of each of Markham’s diverse demographic groups and various recreational needs.
- + Engaged as the mechanical consultant, with Footprint as the energy modelling consultant for the project.
- + Aquatics centre includes dehumidification ventilation with heat recovery that provides pool water heating.
- + Change room ventilation system includes exhaust air heat recovery (with make-up heat provided by the building’s central heating boiler).
- + Equipped shower drains with heat recovery to pre-heat the domestic hot water system while a pool drain heat recovery system pre-heats the incoming pool water.
- + Air handling systems of the library, multipurpose rooms, and lobby provide demand-controlled ventilation to reduce energy consumption.
- + Provided a commercial kitchen exhaust system (the maker studio includes a point source exhaust system to provide ventilation for the 3D printer).

LOCATION
Markham, ON

**SMITH + ANDERSEN
SERVICES PROVIDED**
Mechanical, Sustainability
(Footprint)

SIZE
125,000 sq. ft. (11,610 sq. m.)

BUDGET
\$52 Million

COMPLETION YEAR
2018

SUSTAINABILITY
LEED® Gold (Target)

AWARDS
Markham Urban Design
Excellence Awards, *Building of
Significance* (2021)

HOT BUTTONS

RECREATION CENTRE

MECHANICAL DESIGN

SUSTAINABLE DESIGN

LEED GOLD



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