

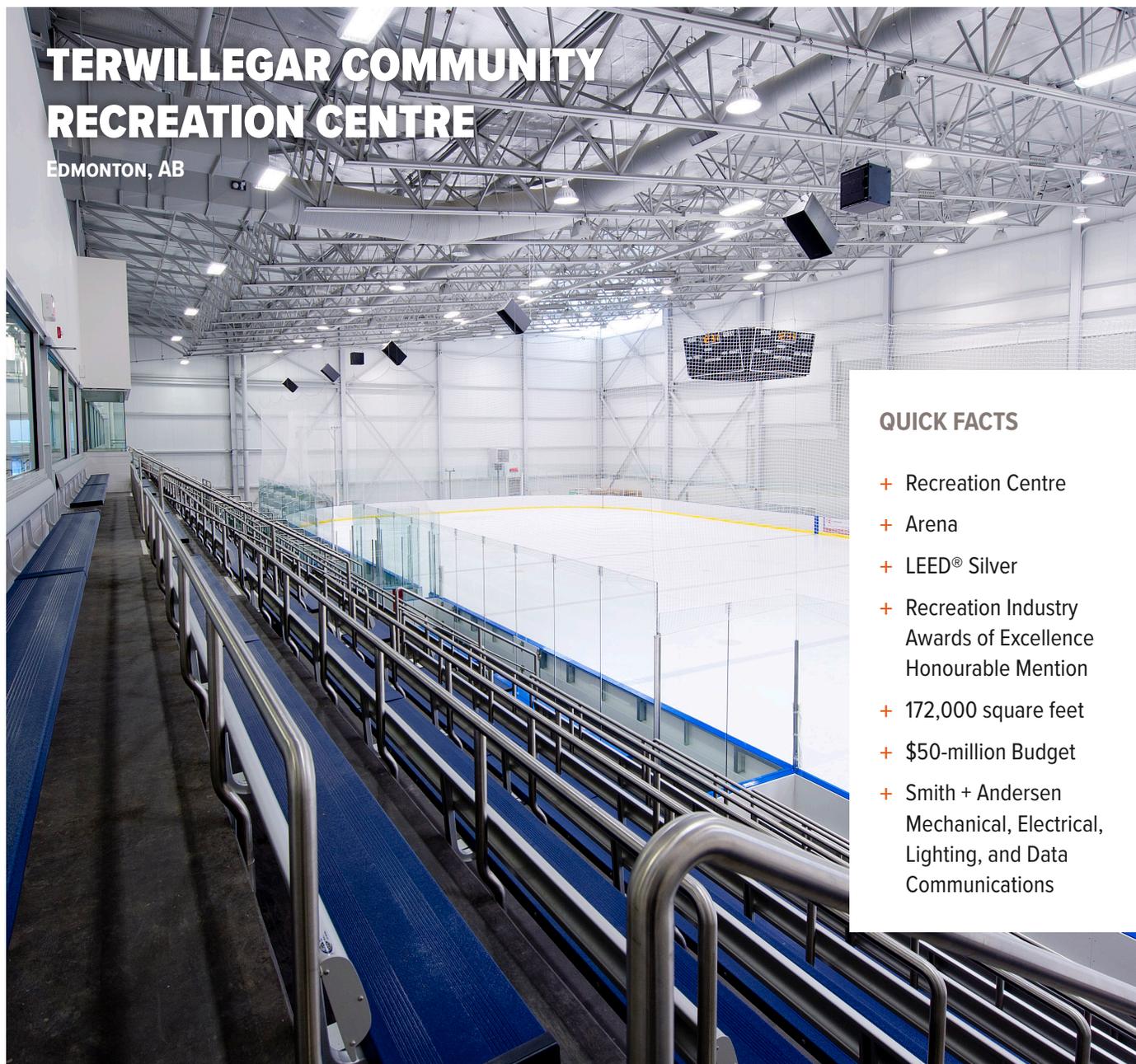


TERWILLEGAR COMMUNITY RECREATION CENTRE

EDMONTON, AB

QUICK FACTS

- + Recreation Centre
- + Arena
- + LEED® Silver
- + Recreation Industry Awards of Excellence Honourable Mention
- + 172,000 square feet
- + \$50-million Budget
- + Smith + Andersen Mechanical, Electrical, Lighting, and Data Communications





TERWILLEGAR COMMUNITY RECREATION CENTRE

ABOUT THIS PROJECT

- + Facility features four NHL-sized ice rinks with associated change room facilities, and mezzanine-level warm viewing areas equipped with a restaurant.
- + The arena component integrates with the recreation centre building to produce a “community hub” where people of all ages and abilities can gather.
- + Achieved LEED Silver certification.
- + Energy efficient building mechanical systems feature air-to-air heat recovery for arena change rooms, desiccant dehumidification for the arenas and refrigeration plant waste heat reclaim for use as domestic hot water preheat, rooftop unit heating coils, desiccant dehumidification wheel regeneration, and arena spectator in-floor radiant heating.
- + Electrical lighting systems employ occupancy sensors throughout the facility along with energy-efficient fixtures where possible to reduce the overall electrical consumption.
- + Fire alarm system is an addressable system networked to the recreation centre.
- + Wiring style for the detection system utilizes DCL-C style, complete with isolation modules.
- + Optical beam detectors are used to provide coverage across large open spans.

LOCATION
Edmonton, AB

SMITH + ANDERSEN
SERVICES PROVIDED
Mechanical, Electrical, Lighting,
Data Communications

KEY TEAM MEMBERS
BBB Architects

SIZE
172,000 sq. ft. (16,000 sq. m.)

BUDGET
\$50 Million

COMPLETION YEAR
2011

AWARDS
Recreation Industry
Awards of Excellence
Honourable Mention (2012)

SUSTAINABILITY
LEED Silver

HOT BUTTONS

ARENA

RECREATION CENTRE

DESIGN-BUILD

NEW BUILDING

MECHANICAL DESIGN

ELECTRICAL DESIGN

LIGHTING DESIGN

LEED SILVER

