

DELBROOK RECREATION CENTRE



Managing Building Information to Optimize Lifecycle Performance

Location

Vancouver, British Columbia

Project Completion

May 2017

Project Cost

\$45.8 Million

PROJECT DESCRIPTION

Delbrook Community Recreation Centre is a new, enhanced, 94,000 sf facility designed to replace the aging William Griffin Community Recreation Centre, an essential community asset and an integral part of the North Shore's recreation infrastructure. The new facility features an underground parkade, a 25 meter 6-lane swimming pool, a leisure pool, and a hot tub, 58,000 sf gymnasium, fitness and activity studios, preschool, multi-use and rental areas, racquetball courts, and other community program spaces. The entry plaza at the northwest corner of the building, a terraced rain garden, and other architectural elements were designed to help integrate the building into the existing landscape.

The total site area included in these three lots is 24,784m². The project is shadowing LEED Gold

INNOVATION AT WORK

Bird-Stuart Olson uses advanced techniques, such as multi-dimensional, predictive, and real-time analytics to capture and analyze building and utilities data. This capability coupled with our extensive knowledge of building systems allow us to turn our expertise into automated actionable insights optimizing your building's systems and bringing your campus to a higher level of efficiency and energy savings.

Our team of experts at Bird-Stuart Olson's Centre for Building Performance deliver a tailored building solutions through a uniquely proactive process. Our advanced analytics solution allows Delbrook Community Recreation Centre to better monitor their assets and bring energy efficiency and enhanced building performance that led to unsurpassed cost savings and occupant satisfaction.

Outcomes

- Elevated client's understanding of their building's operation and performance.
- Optimized building performance and energy consumption.
- Enhanced client satisfaction resulting in improved relationships and release of financial holdbacks.
- Cost avoidance related to hiring third part consultants required to identify & validate operational issues.
- Confirmed root causes in real-time of operational anomalies including humidity, temperature and run-hours.