Design for Capacity and Reliability

DATA CENTRES
We are committed to a secure and sustainable built environment.

When the best solution doesn’t exist, we create it. We see things both as they are and how they could be.
Who We Are

With decades of innovation and experience under our belts we’re achieving remarkable results in building technologies, energy, and environmental performance.

WE’RE ACTIVE MEMBERS OF THE COMMUNITIES WE SERVE. THAT’S WHY AT STANTEC, WE ALWAYS DESIGN WITH COMMUNITY IN MIND.

The Stantec community unites more than 22,000 employees working in over 400 locations. We collaborate across disciplines and industries to bring buildings, energy and resource, and infrastructure projects to life. Our work—professional consulting in planning, engineering, architecture, interior design, landscape architecture, surveying, environmental sciences, project management, and project economics—begins at the intersection of community, creativity, and client relationships.

Since 1954, our local strength, knowledge, and relationships, coupled with our worldclass expertise, have allowed us to go anywhere to meet our clients’ needs in more creative and personalized ways. With a long-term commitment to the people and places we serve, Stantec has the unique ability to connect to projects on a personal level and advance the quality of life in communities across the globe. Stantec trades on the TSX and the NYSE under the symbol STN.
Design Philosophy

The overarching rule in mission critical facilities is to have a well thought strategy for flexibility and scalability. This rule embraces several key principles in the site location, building selection, floor layout, electrical system design, mechanical design, and the concept of modularity that enables the data centre facility to change and adapt as needed. Our designs evolve from a collaborative process, with the building designed from the inside out. Our primary focus is to establish meaningful relationships with the users, guiding them to functional solutions that foresee future trends in data centre technologies. We help data centre owners manage user expectations by thoroughly understanding the technical aspects of an individual client’s requirements.

We understand each data centre client’s needs and requirements are unique. We work with our clients to develop a list of design parameters based upon user needs, in lieu of a wish list. More and more we find that satisfied building users are the ones who feel they have control over their personal environment. We promote data centre design strategies that include reliable building systems, security features, and mission critical layouts which are expandable, functional and efficient.

Quality of Design

As an ISO 9001:2008 company, Stantec employs a strict peer review quality assurance (QA) program that begins at project commencement and continues throughout the life cycle of a project. The QA program is designed to reduce the potential for errors while providing a systematic review of all facets of a project. This formalized project management and review system results in quality project deliverables.

Stantec’s Practice Enhancement and Risk Management teams provide support to the organization’s leadership, corporate teams and operations personnel by facilitating a coordinated focus on quality practices and by bringing the best of the collective resources and practices of a professional services organization to bear on all projects.

Our team, individually and collectively, has significant experience with data centre facilities that is both relevant and current. Under the direction of seasoned professionals, local engineering experts are supported by discipline specialists from the greater Stantec organization. Bringing the best of the industry expertise and local knowledge to bear on the project we will design a data centre that reflects maximum value for our clients from this major asset.
Our Group

IT infrastructure and facility costs are reshaping the economics of many businesses. Today, data centres account for about 25% of total corporate IT budgets. And as businesses continue to automate, store more data and use rich media, the demand for data centre capacity is growing rapidly. Mission Critical facilities are energy intense and energy intensity is forecast to double in the next 5 years. With energy costs at 15 to 40 times greater than typical office space, energy costs of mission critical facilities are surpassing equipment costs. Without changes in operations, many firms with large data centres are facing reduced profitability.

At Stantec, we are responding to these changes by providing our clients with a full scope of architecture, engineering, and professional services specializing in the design and development processes unique to mission critical buildings. Our experienced staff recognize the importance of working closely with our clients, helping to establish and fully understand the specific needs of a mission critical facility.

We offer private and public sector clients our experience in each of the major design disciplines: structural, mechanical, electrical, telecommunications, fire protection, and performance engineering.

In addition, we provide a unique QA/QC program as well as energy solutions, building reviews, feasibility studies, systems analyses, and systems integration consulting. Although specific needs will vary from project to project, our primary role is to provide the design of data centre spaces and facilities that meet the needs of the users while adding value for our clients.
It is recognized that owners of mission critical facilities are concerned with the financial and environmental cost of energy their facilities consume. There is an increased emphasis on sustainability and renewable energy options as we recognize that the North American electrical infrastructure cannot sustain the projected growth rate for data centre facilities. Today’s greatest challenge for a successful data centre implementation is adapting industry best policies to take advantage of sustainable design practices that have been developing for more than a decade. Creating a balance between reliability and sustainability for data centres should be the goal of every project and our team leads the industry in developing solutions that meet this goal. Stantec is strategically placed to program and design new data centres by implementing sustainable solutions. We have one of the largest portfolios of completed green projects in North America. Our designs have also won numerous sustainable design awards.

Our energy solutions specialists are passionate about promoting and creating sustainable energy operations. We assist clients in reducing ongoing energy costs. By creating solutions to upgrade existing facilities, we can reduce the need for new data centre space. Our team works in conjunction with our clients to achieve an integrated whole system design.

Mission critical facilities often contain sensitive equipment which require very precise temperature and humidity controls. Any disturbance to these environmental conditions can affect the continuity of service within the facility and result in costly losses of information. As a result, maintaining stable environmental conditions is critical to business continuity.

The advent of new technologies often require substantial incremental power for today’s technology intensive Mission Critical Facilities. This power is eventually dissipated as heat, which must be removed to safeguard the operation of data transmission equipment. As processor capacity advances, there is a correlating reduction in the size of physical IT facilities. However, as power density and heat dissipation rate is increased, conventional A/C systems are no longer effective in maintaining the environmental conditions of the IT space. By designing intelligent A/C systems to cater to varying heat dissipation rates, we are able to provide the best protection for both IT equipment and associated systems.

Stantec has extensive mechanical systems engineering capability, designing for the highest levels of reliability and redundancy. Our experience has shown that costs to operate Data Centres continues to rise. At Stantec, we optimize system components, piping, and water containment systems for efficient, resilient, and cost effective solutions.
Most Data Centres are energy inefficient

Significant inefficiencies exist in most Data Centres today and these inefficiencies are impacting the bottom line, especially for technology-intensive businesses. As demand for Data Centres and resulting capacity requirements grow, the negative cost impact on organizations is multiplied by:

- Escalating energy costs
- Escalating space costs
- Raising GHG emissions leading to potential carbon tax costs and negative business reputation costs

Varying power densities in Data Centres can lead to hot spots which in turn can lead to inefficiencies and catastrophic failures in the facility. Most Data Centres are "over-aired" leading to unused conditioned air being short circuited while other areas are overheated.

Studies have shown that properly designed airflow can reduce Data Centre cooling costs by 30% or more, and can allow higher server density, a significant benefit as facility costs are growing at 20% annually and demand for capacity is rapidly growing.

A Greener Approach

Stantec experts have been implementing greener design solutions helping achieve lower objectives of PUE. These solutions have involved maximization of heat recovery capabilities and application of the recommendations of ASHRAE TC9.9 for tolerances in the data centres temperature and humidity operating room conditions.

Stantec Data Centre Energy Modelling

The good news: significant opportunities exist to improve Data Centre efficiencies for low cost and high payback. A well-functioning Data Centre requires proper visioning to effectively tailor data centre design to maximize energy utilization and minimize utility cost.

We assess opportunities for increasing data centre energy efficiency by identifying hot and cold spots in the facility using software to prepare a 3D model of the facility. With modelling, Stantec's data centre experts can accurately predict the impact of adding, removing or repositioning equipment, air terminals and air conditioning units to optimize facility design.

Modeling of various possible data centre configurations can optimize facility design or identify potential trouble spots prior to construction of new facilities or after for retrofits. Optimal data centre design should last 10 to 12 years without a major retrofit. Stantec data centre specialists offer fully integrated engineering, design and project management services to optimize data centre design for facilities both large and small.

Enclosed Aisles – an Alternate Solution

Whenever CFD simulations could not be executed for any reason, Stantec's experts went along with the design of totally enclosed aisles to optimize airflow and, therefore eliminating heat pockets.
Stantec provided the design of a Tier III Data Centre for one of the largest and most advanced forensic facilities in the world. Stantec is providing architectural, structural, mechanical, electrical and communications (IT/Security) Engineering services for one of the largest and most advanced forensic facilities in the world. The Forensic Services and Coroners’ Complex (FSCC) is a consolidated, state-of-the-art forensics laboratory, medical autopsy, and coroner’s courts complex that combines the offices of the Centre of Forensic Sciences and the Office of the Chief Coroner into one facility to better serve the people of Ontario.

The Stantec team catered to the client’s unique needs for this multipurpose facility, which included the design of a Tier III Data Centre. The data centre includes 3 UPS systems of 350 kVA each and 20 racks. The IT cabling and data centre combine with the conceptual design of all applicable technologies for the facility, including an optimal visualization of data and user interface. Security measures vary by zone for the whole facility and naturally include the protection of the data centre. A new 4 x 2500 KVA diesel fired backup generator system protects the power supply of the whole facility.

Forensic Services and Coroners’ Complex – Data Centre

STANTEC SERVICES
ELECTRICAL
TIER
3
DESIGN
MICHAEL SHIU [ELECTRICAL]
ST. JOHN’S ALLANDALE BELL ALIANT DATA CENTRE

STANTEC DESIGNED A TIER III EQUIVALENT DATA CENTRE FOR BELL ALIANT IN ST. JOHN’S, NEWFOUNDLAND AND LABRADOR.

Stantec provided an fully integrated team of architectural, LEED, mechanical, electrical, structural and commissioning engineering services for this renovated facility. Providing for the growing need for reliable, secure offsite data storage, Bell Aliant built a new 2.5 MW data storage centre within an existing facility that also serves as one of the main hubs for all internet traffic in Atlantic Canada. We successfully increased secure and reliable server capacity with an end state infrastructure supporting a total IT load of 400 KW without having to increase the building footprint. The infrastructure consisted of an electrical distribution system with dual UPS feeds to each data centre cabinet, an N+1 cooling system, and a design which allows for concurrent maintenance on both mechanical and electrical infrastructure. The centre is supported by a tier-three redundant power system with three independent 330kW power supplies. This system provides all the required power for the data centre’s computer equipment and cooling systems all of which is monitored by redundant Electrical Power Management Systems.

The power distribution system was designed with multiple redundant paths made possible by the installation of two new exterior self-enclosed 545 kW generators. Critical power to the data hall servers was provided from three new 300kW UPS systems. Each UPS system was individually fed from both utility and generator power. Power was distributed through 300 kVA PDUs to servers using busway systems located overhead in the data hall. The mechanical and electrical design resulted in a high efficiency / low Power Usage Effectiveness (PUE) of 1.4 for the facility as measured and calculated by an independent consultant.
Waypoint Centre for Mental Health Care – Data Centre

STANTEC DESIGNED A TIER III EQUIVALENT DATA CENTRE FOR THE MENTAL HEALTH CARE FACILITY IN PENETANGUISHENE, ONTARIO.

Stantec is provided a full integrated team of architectural, LEED, mechanical, electrical, and structural engineering services for this new 350,000 SF mental health centre in Penetanguishene that accommodates 300 inpatient beds. Stantec was the PDC consultant on the project, producing compliance specifications, master plans, master programs and infrastructure development/implementation plans.

Part of the scope of work included the design of a Tier III Equivalent data centre. The data centre includes 2 UPS systems of 300 kVa each and supports 5 data rooms. The data rooms are divided into two separate areas, one for the Hospital and one for the Facility Management. Both the data centre and data rooms are supported by two 1500 KVA emergency generators designed for this facility. All design work and recommendation of IT equipment has been done in close collaboration with the MHCP’s IT department.
ACHIEVING UPTIME INSTITUTE TIER III RATING ENSURES DATA RELIABILITY

Sun Life's Waterloo Data Centre consists of two floors located entirely below grade and accessed from the basement of the main building. It is the primary location of hardware dedicated to the Information Systems operations. The back-up power generation was reaching its capacity for providing power for emergency and essential loads and had only a single point of failure. Sun Life wanted to eliminate this challenge and improve redundancy of utility supply and on site generation.

Stantec was retained to investigate expansion options to create a more robust system. Our primary objective was to increase redundancy of the power and generation systems servicing the Data Centre in order to achieve a Tier III rating from the UpTime Institute. A Tier III electrical system allows for concurrent maintenance of any electrical component without losing power to critical loads of the Data Centre.

The upgrades included a new 2000kW generator plant and a new 13.8kV utility service entrance. Modifications to the 13.8kV primary distribution also provided full redundancy to the rest of the facility. We were also responsible for the full electrical designs, coordination of utility servicing, planning of shut downs, method of procedures, coordination with other disciplines and the City of Waterloo. With this expansion, Sun Life’s Data Centre achieved Tier III rating which offers 99.98% availability.

FEATURED PROJECT

Sun Life – Data Centre Electrical Upgrade

LOCATION
WATERLOO ONTARIO

COMPLETION DATE
DECEMBER 2013

CONSTRUCTION COST
C$ 6,000,000

STANTEC SERVICES
MECHANICAL, ELECTRICAL

TIER
3

DESIGN
MANUEL LOLARGA (MECHANICAL), KEVIN FLEMING (ELECTRICAL)
STANTEC PROVIDED FULL ENGINEERING SERVICES INCLUDING DATA CENTRE DESIGN FOR CENTRE FOR ADDICTION AND MENTAL HEALTH 450,000 FT² THREE BUILDINGS COMPLEX.

This redevelopment is spread over a 27-acre campus and creates a welcoming urban village weaving together new cutting edge facilities with shops, residences, businesses, parks, and through streets to create an inclusive, healing community. Each building has 13.8kV switch gear; radial system, with two independent power feeders and automatic transfer; double ended main distribution board with two 13.8kV/600V transformers providing 70% redundancy. Emergency power distribution is centralized for the complex including two 1750kW diesel generators feeding power to the main 5000A, 600 V distribution boards. This configuration allows for future loads and parallel work of up to four 1750kW generators. Stantec’s electrical and mechanical engineering team provided full design for the data centre including 100 percent emergency power back up system, dual UPS power supply through two 150kVA UPS and complete cooling system.
Ottawa Support Centre, Data Centre Relocation, Bank of Canada

STANTEC PROVIDED MECHANICAL AND ELECTRICAL ENGINEERING TO BANK OF CANADA FOR THE DESIGN OF THE RELOCATED DATA CENTRE AND OF A NEW OFFICE BUILDING, WHICH IS USED SPECIFICALLY FOR THE BANK OF CANADA’S BACK UP AND REDUNDANCY OPERATIONS, AND IN SUPPORT OF THEIR BUSINESS CONTINUITY PLAN.

In order to accommodate the needs of the new Data Centre, the existing building underwent major renovations that allowed the server room to operate as a standalone Tier 3 system. All the mechanical and electrical systems of the original building were modified to incorporate the new equipment required by the project. The system was designed in such a way as to maximise the heat recovery and the free cooling when permitted. The total area of the data centre is 300 m² with a raised floor and has a power requirement of 500 kW.

The total cooling capacity for the Data Centre is around 100 tons, not including the redundant pieces of equipment. The LEED process was followed for this project although no certification was sought once the project was completed. Stantec has designed the facility to ensure expansion over the 20 next years, by providing infrastructure and expansion possibilities. During the construction phase Stantec was present to provide on-site supervision. The Construction has been phased to ensure continuous uninterrupted services in the support centre.
Edmonton Transit – System Control and Control Centre

STANTEC PROVIDED MANAGING
information flow into and out of the control centre efficiently and consolidating the myriad of systems into fewer, more coordinated systems was critical to the project’s success. The input of information coming in needed to be organized, reviewed, and processed accordingly to ensure there was a smooth flow of communication output. Working through technical details of the software applications used by operators within the control room environment allowed us to streamline a number of systems and provide operators with a much improved user interface.

The project was challenging not only from a technical perspective, incorporating numerous systems into one, but also required a great deal of coordination related to the continued operation of Edmonton’s transit system. No interruption to LRT or bus operations was the goal, and through thorough planning and coordination between the City, the general contractor and sub-trades, and LRT operations, that goal was achieved.

With so many key players to organize, we faced the challenge to stay on schedule and on budget. There were challenges with regard to accommodating all staff, technology, and operational requirements within the available space. Our team prepared two floor plan layouts to allow the ETS staff to select the design that they felt was most desirable and that best achieved the project goals. The challenges of working in an existing underground structure included how to handle delivery and storage of construction materials and how to improve the HVAC systems to handle both workspaces and the data centre and support spaces.

Edmonton, Alberta

STANTEC SERVICES
MECHANICAL, ELECTRICAL

TIER
3

DESIGN
ROSS ABDULRAHMAN (MECHANICAL), NEAL BOURASSA (ELECTRICAL), BRENT BAUMAN (SECURITY & IT)

Calgary Emergency Operations Centre

STANTEC PROVIDED MECHANICAL engineering as well as mechanical and electrical fundamental commissioning for the emergency operations centre project. Located in a residential area adjacent to a heavily accessed green space the new Centre is a three level building, with three depressed courtyards and 4000m² of the building located below grade minimizing site impact.

To meet the program requirements the building has developed into three very distinct zones that match operations. At the grade Level 0 will be the new Media Centre accessed by media and the public. In a secure Level –1 the Emergency Operations, Public Call Safety Call centre plus support and office spaces will all be located accessible only to staff with adequate security clearances. At the lowest Level - 2 will be the new Data Centre along with support spaces including the main mechanical and electrical rooms. The EOC and Data Centre have some very specific technical requirements. The most particular is that the facility be capable of operating for 72 hours off grid during an emergency event. To achieve this requirement; rest, dining and fitness areas have been incorporated into the design along with backup water from a local well and off grid power, heating and cooling powered by onsite diesel power generation of 2.6MW of total capacity. The data centre in the facility, which will be the main data centre for the City, accounts for almost 2MW of redundant UPS load and 1MW of mechanical cooling load making it the largest mechanical and electrical load within the building.

Calgary, Alberta

STANTEC SERVICES
MECHANICAL

TIER LEVEL
3

DESIGN
ROSS ABDULRAHMAN (MECHANICAL)
STANTEC PERFORMED CONSULTING services for the required electrical, mechanical and interior design work necessary to relocate the existing main data centre which continually supports a critical call centre within Rogers Atria.

Stantec performed an initial feasibility study outlining the work required and estimated the approximate costs for Rogers to relocate their main computer room from the 6th floor to the 2nd floor at 2235 Sheppard Avenue East in Toronto. After the proposed work plan was approved by Rogers, Stantec provided the design and construction administration services for the electrical, mechanical, and interior design work required for the project. A new energy efficient 100kW modular and expandable UPS was provided, along with two in-row cooling units and associated distribution equipment to feed uninterrupted power to critical loads within the facility. In order to provide maximum redundancy and reliability for the critical call centre, a new 800A automatic transfer switch and electrical distribution board were provided and fed from the existing generator on site. A new mechanical switchover panel was also provided to allow for domestic water to cool the room in the event of a failure to the base building chiller. All new equipment was located within the existing 2nd floor computer room which was expanded to accommodate the additional items. The walls of the room were expanded through a traditional stud wall construction and the lighting, fire alarm, security, and fire suppression systems were all extended to accommodate the new room layout.

STANTEC PROVIDED CONSULTING engineering services to produce a design report to PWGSC for a new, 3,500 m², Tier 4, scalable, modular data centre.

Environment Canada is seeking to build a new data centre for its meteorological centre at a new location due to lack of space in the existing data centre in Dorval, QC. The new DC would have a Tier 4 redundancy with 3 MW initial capacity to be expanded to 6 MW in a second phase, with a total area of 3,500 m². Stantec was mandated to produce a design report including a cost estimate for mechanical and electrical works. The design of the critical/emergency power supply consisted of 12 diesel rotary UPS units of 2 MW each. Overall MV service exceeded 11 MW. The design also included energy efficiency measures to reduce overall power consumption.

**FEATURED PROJECT**

**Rogers Atria II**

**2nd and 6th Floor Computer Room Relocation**

**LOCATION**

TORONTO, ONTARIO

**COMPLETION DATE**

2014

**CONSTRUCTION COST**

C$ 740,000

**STANTEC SERVICES**

MECHANICAL, ELECTRICAL, INTERIOR DESIGN

**TIER**

3

**DESIGN**

DAVID CLARK (MECHANICAL), ZORICA GOMIC (ELECTRICAL)

**FEATURED PROJECT**

**Nouveau centre de données du Centre météorologique canadien**

**LOCATION**

MONTREAL, QUÉBEC

**COMPLETION DATE**

2010

**CONSTRUCTION COST**

C$ 120,000,000

**STANTEC SERVICES**

MECHANICAL, ELECTRICAL

**TIER LEVEL**

4

**DESIGN**

OLIVIER BRODEUR (MECHANICAL), KHALIL HADDAD (ELECTRICAL)
Honda of Canada Headquarters
Toronto, ON
Microsoft Canada Headquarters
Mississauga, ON
Toronto Dominion Bank (Creekside)
Mississauga, ON
CIBC/Intria – New LAN Room
Vancouver, B.C.
Greater Vancouver Regional District Computer Room
Vancouver, B.C.
Cancer Research Centre – 7th Floor Server Room Expansion
Vancouver, B.C.
CMMT Server Room – Cooling Upgrades
Vancouver, B.C.
Queens Court Data Room
Calgary, AB
BC Centre for Disease Control – Lane Level Lab
Vancouver, B.C.
Mazankowski Alberta Heart Institute
Edmonton, AB
British Columbia Institute of Technology
Burnaby, B.C.

Business Objects Phase 5
Vancouver, B.C.
Children’s and Women’s Ambulatory Care Building
Server Room Expansion
Vancouver, B.C.
Hillcrest Park Curling Rink and Percy Norman Aquatic Facility
Vancouver, B.C.
Lynn Valley Heritage Services Building
North Vancouver, B.C.
Nanaimo Regional General Hospital Perinatal Services Addition
Nanaimo, B.C.
Rogers Centrall (Metrosid Town Centre)
Burnaby, B.C.
Vancouver Cancer Centre Radiation Vault #2 Replacement
Vancouver, B.C.
Vancouver General Hospital Campus
Vancouver, B.C.
Vancouver General Hospital Centre of Excellence in Surgical Education and Innovation
Vancouver, B.C.
GV/ED – Lake City Operations Centre – HVAC and DDC Systems Upgrade
Vancouver, B.C.

Dynacore Data Centre
Vancouver, 2009
Royal Bank Data Centre – DDC Remediation
Vancouver, B.C.
250 Burnard Suite 1688 Remus, Server Room Cooling
Vancouver, B.C.
Broadway Tech Centre – WA Server Room
Vancouver, B.C.
Capilano College Upgrading Computer Rooms
Vancouver, B.C.
CIBC (Main Street and 26th Ave) – Server Room Cooling Upgrade
Vancouver, B.C.
City of Coquitlam Server Room Upgrade
Coquitlam, B.C.
Coast Mountain Bus Company – Data Centre Assessment
Burnaby, B.C.
CRHC – Ambulatory Server Room
Vancouver, B.C.
Douglas College – Server Room HVAC Upgrade
Coquitlam, B.C.
EA Data Centre – Additional UPS
Burnaby, B.C.
Ellerslie Gold – Server Room
Vancouver, B.C.
Electronic Arts – UPS Data Centres
Burnaby, B.C.
IES Class A Data Centre
Sidney, B.C.
Justice Institute of BC – Server Room
New Westminster, B.C.
Kwantlen College – Computer Room
Richmond, B.C.
Metrovan – Server Room Cooling
Vancouver, B.C.
Nokia Data Centre Expansion
Burnaby, B.C.
PMG Sierra – Computer Room UPS
Burnaby, B.C.
Port Of Vancouver – Server Room
Vancouver, B.C.
Prince George – Data Centres
Prince George, B.C.
Radiant Communications – Server Room UPS
Vancouver, B.C.

Richmond General Hospital
Richmond, B.C.
Teckay Shipping – Computer Room Assessment
Vancouver, B.C.
Telus – Server Room
Vancouver, B.C.
UBC CEME 1214 – Server Room Addition
Vancouver, B.C.
UBC Hospital Server Room
Vancouver, B.C.
Vancouver Cancer Research Centre – Server Room
Vancouver, B.C.
TeraGo – Data Centre acquisitions
Canada
Forensic Services and Coroners Complex Data
Waypoint Centre for Mental Health Care Data Centre
Penetanguishene, Ontario
(Confidential Client) National wireless telecommunications corporation – SEC program
EPCOR Tower Data Centre
Edmonton, Alberta
Apple, Inc. Data Centre Complex and Renewable Energy Project
Nevada
New Data Centre for Agency de la santé et des services sociaux de la Mauricie et du Centre-du-Québec
Trois-Rivières, Québec
CODICO Data Centre
Trois-Rivières, Québec
New data centre for the Department of National Defense
Ottawa, Ontario
WestJet Data Centre
Calgary, Alberta
VTL (Videotron Telecom Ltd) Cisco Technology Implementation
Edmonton, Alberta
Mazankowski Alberta Heart Institute Data Centre
Edmonton, Alberta
Audit for the development of a new data centre for the Centre Universitaire de santé McGill
Montreal, Québec
Queen’s University – Depuis Hall Data Centre expansion
Kingston, Ontario
360Networks – POP site program

Communities are fundamental. Whether around the corner or across the globe, they provide a foundation, a sense of place and of belonging. That’s why at Stantec, we always design with community in mind.

We care about the communities we serve—because they’re our communities too. This allows us to assess what’s needed and connect our expertise; to appreciate nuances and envision what’s never been considered; to bring together diverse perspectives so we can collaborate toward a shared success.

We’re designers, engineers, scientists, and project managers innovating together at the intersection of community, creativity, and collaboration. Balancing these priorities results in projects that advance the quality of life in communities across the globe. Stantec trades on the TSX and the NYSE under the symbol STN. Visit us at stantec.com or find us on social media.