



# Stantec in Quebec

Design with community in mind





Multipurpose Centre, City of Beaupré  
Cover: UQTR Campus, Drummondville



# Local know-how brings your projects to life

Well established throughout **Quebec**, our team has completed thousands of engineering and urban design projects, and won numerous awards and distinctions that celebrate our creativity and excellence.

## Our presence in Quebec

- |             |                       |
|-------------|-----------------------|
| Amos        | Rimouski              |
| Baie-Comeau | Rouyn-Noranda         |
| Chicoutimi  | Sainte-Anne-des-Monts |
| Gatineau    | Saint-Georges         |
| Laval       | Shawinigan            |
| Lévis       | Sorel-Tracy           |
| Longueuil   | Trois-Rivières        |
| Montreal    | Val-d'Or              |
| Quebec City |                       |

60 years

of know-how

1,500

employees

20

offices

## OUR SECTORS



### BUILDINGS

- Airports & Aviation
- Education
- Industrial
- Ports & Marine Terminals
- Mixed-Use: Commercial & Workplace
- Residential, Hotels & Resorts
- Healthcare
- Science & Technology
- Sports & Culture



### TRANSPORTATION INFRASTRUCTURE

- Airports
- Ports & Marine Terminals
- Bridges & Civil Engineering Structures
- Roadways
- Transit & Rail



### URBAN INFRASTRUCTURE

- Urban Design
- Brownfield Development
- Water, Sewerage & Road Infrastructures
- Mixed-Use
- Parks & Green Spaces
- Bike & Pedestrian Networks



### ENERGY & RESOURCES

- Waterpower
- Renewable Energy (Solar/Wind)
- Thermal Generation
- Mining
- Oil & Gas



### ENVIRONMENTAL SERVICES

- Commercial (Insurance & Real Estate)
- Power
- Infrastructure
- Manufacturing
- Waste Management
- Mining
- Oil & Gas
- Transportation



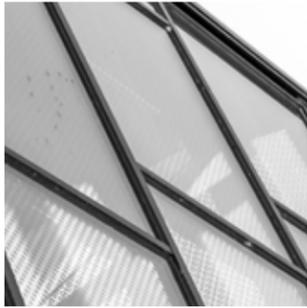
### WATER

- Drinking Water
- Industrial & Process Water
- Wastewater



We harness our diversity, ideas, and ingenuity to turn your projects into reality. **Together**, we help shape Quebec's future

## OUR MAIN SERVICES



### **BUILDINGS**

- Revit® design
- LEED and net-zero projects
- Building inspection and obsolescence analysis

### **Structure**

- Steel, concrete, aluminum, timber
- Explosion-proof design

### **Mechanicals**

- Acoustics
- Commissioning
- Automatic controls and remote management
- Renewable energy
- Fire protection
- Refrigeration

### **Electricity**

- Lighting
- Emergency generator
- Arc flash
- Protection systems

### **Industrial**

- Manufacturing and installation engineering
- Machine safety
- Plant layout
- Finite element stress analysis



### **TRANSPORTATION**

- Design using Envision standards
- Lighting and traffic lights
- Traffic studies
- Traffic management and maintenance
- Public transit management and operation
- Road, highway, and airport infrastructures
- Structural inspection and assessment
- Asset maintenance at end of useful life
- Rolling stock
- Transportation planning
- Public transit systems
- Intelligent transportation systems



### **POWER**

- Guidance for developers
- 13.5-kV to 735-kV electrical equipment
- SCADA architecture and commissioning
- Automation, protection, and control
- Complete network studies
- Substation civil and structural engineering
- Transmission/distribution power lines
- Hydro, wind, and solar power
- FACTS projects
- Industrial projects



### **COMMUNITY DEVELOPMENT**

- Water distribution and sewer systems
- Eco-engineering / LID (Low Impact Development)
- Public lighting
- Asset management
- Stormwater management
- Hydrology and hydraulics
- Municipal infrastructure
- Master plans
- Complete streets: pavement, pedestrian link, and bike path



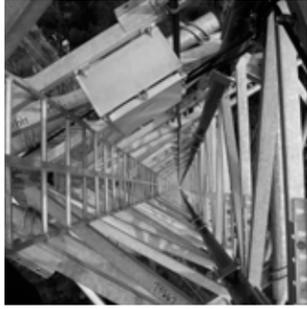
### **WATER TREATMENT**

- Automation
- Biomethanization and leachates
- Water intake
- Characterization of sources
- Disinfection
- Water research management
- Pumping and booster stations
- Reservoirs
- Chemical storage and dosing
- Biological/physicochemical treatment (primary, secondary, and tertiary)
- Physicochemical treatment and filtration (conventional, membrane, biological, and pressurized)



### **URBAN PLANNING, URBAN DESIGN & LANDSCAPE ARCHITECTURE**

- Commercial and real estate project guidance
- Design of public squares
- Design of parks, green spaces, playgrounds, skateparks, and pump tracks
- Architectural inventory and asset analysis
- Public participation and consultation (Placemaking process)
- Urban planning and regulatory requirements
- Master plans for streets and public spaces
- TOD (Transit-oriented development) planning
- Form-based code
- Due diligence



#### TELECOMMUNICATIONS

- Structured cabling – distribution and framework
- IP/MPLS/microwave network design
- Fibre optic and fibre-to-the-home (FTTH) networks
- Wireless networks for buildings (Wi-Fi, DAS, small cell)
- Telecom rooms
- Telecom sites and shelters
- Audiovisual systems
- Telecom towers



#### PHYSICAL AND TECHNOLOGICAL SECURITY

- Threat and risk assessment
- Security measure implementation consultation and engineering: access control, intrusion detection, video surveillance, communication
- Master plans and security programs
- Crime prevention through environmental design (CPTED)
- Structural reinforcement for risk mitigation (forced entry by individuals, vehicle ramming, or firearm/explosive attacks)



#### GEOTECHNICAL ENGINEERING AND MATERIALS TESTING

- Dam/levee design and inspection
- Onsite materials testing
- Pavement design
- Soil/concrete laboratory testing
- Mine tailings pond design studies
- Geomorphological studies
- Pavement design geotechnical studies
- Building foundation geotechnical studies
- Slope stability geotechnical studies
- Hydrogeological studies
- Instrumentation



#### ENVIRONMENTAL SERVICES

- Acoustics and vibration
- Environmental permitting
- Site assessment and remediation
- Environmental compliance
- Environmental impact studies
- Geomatics
- Waste management
- Hydrogeology
- Industrial hygiene / Health & safety
- Biological inventory
- Mobility and information management
- Air quality
- Environmental emergencies



# Supporting you at all stages of your project **lifecycle**



## OUR CONTRIBUTION

### Planning

Due diligence study  
Economic feasibility study  
Environmental study  
Functional program

### Development

Soil study and geotechnical report  
Environmental study and permitting  
Regulatory framework  
Physical security study  
Topographic survey  
Preliminary design  
Preliminary estimate  
Value engineering

### Design

Detailed engineering  
Interdisciplinary coordination  
Plans and specifications, issued for tender  
Tender documents  
Tender management and assistance

### Asset maintenance

Condition report  
Master plan / Asset management  
Maintenance program  
Investment management plan

### Operation

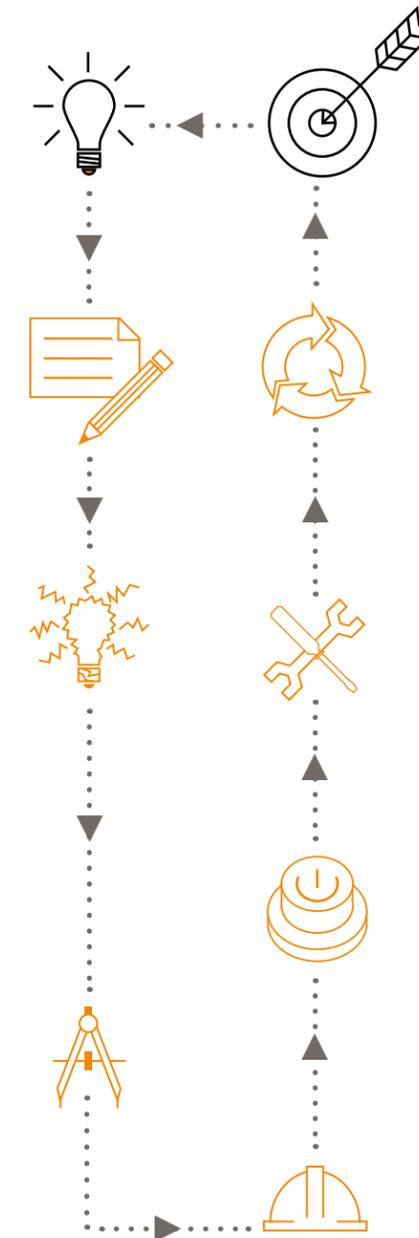
Improved commissioning  
Training plan  
Maintenance and operating manual

### Commissioning

Commissioning plan  
Commissioning  
Tracking of deficiencies  
Acceptance of work  
Plans and specifications, issue of as-built plans

### Construction

Plans and specifications, issued for construction  
Project management assistance  
Construction site supervision



## Applying innovative approaches



**BIM** Building Information Modeling  
**IDP** Integrated Design Process  
**ENVISION** Sustainable infrastructure  
**LEED** Leadership in Energy and Environmental Design  
**LID** Low Impact Development

## OUR APPROACH

### COMMUNITY

When we say community, we don't just mean the neighborhoods people call home. We mean everyone with a stake in the work that we do, from our Stantec and industry colleagues, to the clients we collaborate with and the people and places we impact.

Whether creating, sustaining, or revitalizing a community, we help diverse cultures and perspectives work together toward a shared success.

Although our work helps to create physical communities, our ultimate goal is to create something far more meaningful—a sense of community.

### CREATIVITY

For us, creativity is driven by purpose. Knowing that transformation is truly possible inspires us to approach every situation with a fresh perspective.

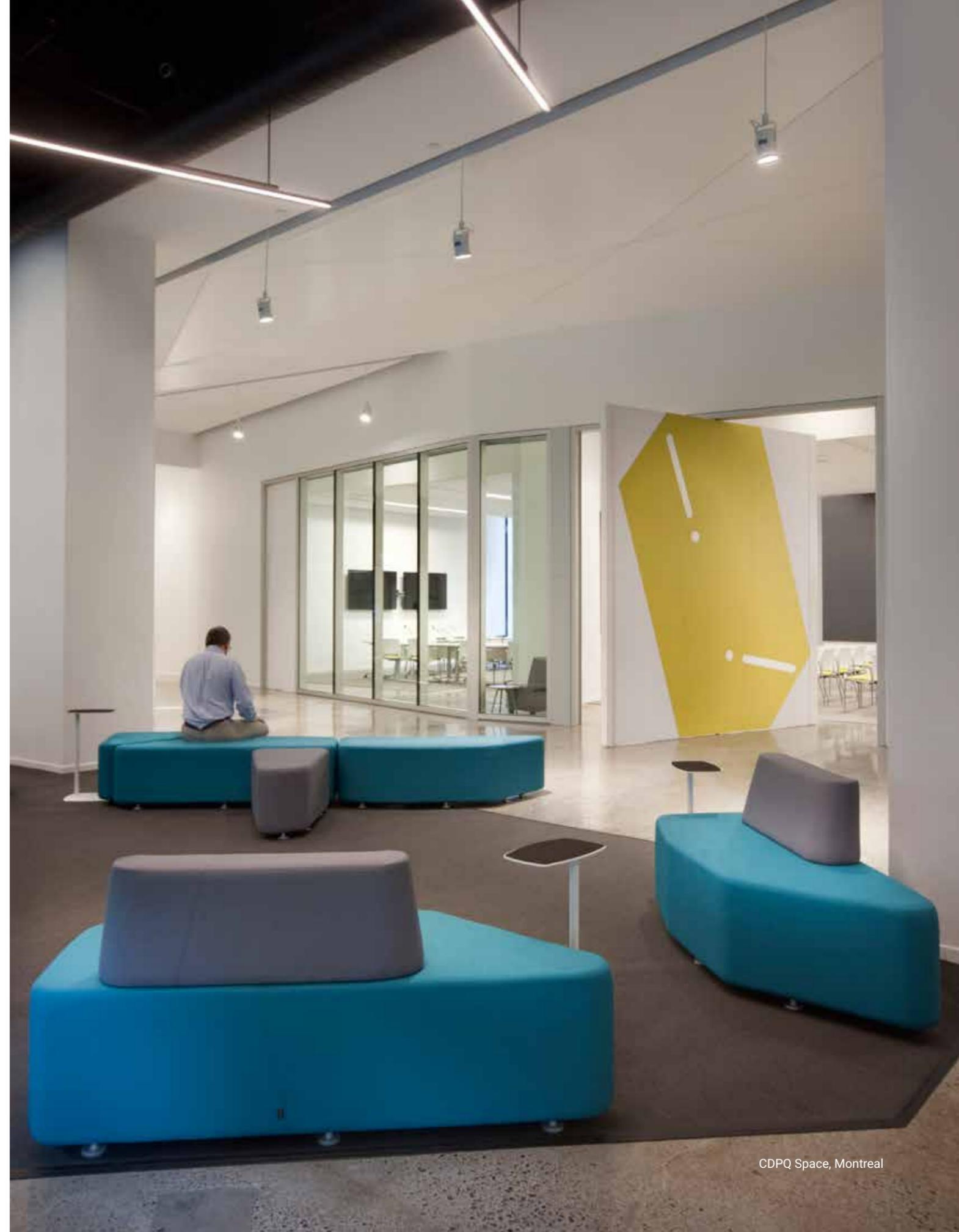
Our inventive and collaborative approach to problem-solving helps bring big ideas to life through creative solutions.

Whether our contribution is a design that strikes the perfect balance between function and aesthetics, a feat of engineering that redefines what's possible, or a project management approach that delivers results, we strive for outcomes that transcend the challenges they solve and shape the communities we serve for the better.

### CLIENT RELATIONSHIPS

We're better together. This belief shapes how we collaborate with our clients, our partners, and our communities.

We listen so we can deeply understand our clients' needs, communicate with purpose so we maintain alignment, and remain open and flexible so we never miss an opportunity to strengthen a project and positively transform a community.





## Stantec's global presence

**22,000**  
employees worldwide

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.

**400**  
offices

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.

**6**  
continents

We're designers, engineers, scientists, and project managers, innovating together at the intersection of community, creativity, and client relationships. Balancing these priorities results in projects that advance the quality of life in communities across the globe.

**1954**

year established

**\$4B**

market capitalization (CAD)

**STN**

listed on the NYSE and TSX



[stantec.com](http://stantec.com)