



Serving the Agri-Business, Food and Beverage Market





WANT A COMPETITIVE ADVANTAGE?

Stantec can help. Recognized worldwide for excellence in sustainability, functionality, engineering and cost-effective design—we're committed to helping you discover your competitive advantage, from initial concept to project completion.

Our passionate people develop integrated designs based on a deep understanding of markets, function, and best practices to help clients meet business objectives. Our team approach involves all stakeholders and disciplines to ensure environmentally, socially, and economically responsive design solutions.

4000+

Agri-business, food and
beverage projects in the
past five years.

A HISTORY OF SERVICE

Supporting Your Vision

Stantec unites approximately 22,000 employees working in 350 locations across six continents. We collaborate across disciplines and industries to bring buildings, energy and resources, environmental, and infrastructure projects to life. Our work—engineering, architecture, interior design, landscape architecture, surveying, environmental sciences, project management, and project economics, from initial project concept and planning through design, construction, and commissioning—begins at the intersection of community, creativity, and client relationships.

Since 1954, our local strength, knowledge, and relationships, coupled with our world-class 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.

Enhancing Your Mission

Stantec helps agri-business, food and beverage organizations around the world improve their operations and achieve long-term success through process improvements and our facility designs. Our approach involves understanding your vision, using spaces more effectively, reducing costs, and optimizing production flows.

Speed To Market

Not just fast, but right. Fast track has evolved into schedule stacking, which pulls both design tasks and construction activities out of their normal sequence. This allows projects to be completed faster but requires additional coordination to minimize the risks. Our integrated team approach ensures ongoing coordination and open communication with all stakeholders, while enabling our team to focus on the project's critical path tasks. Our experience with ultra-fast-track projects, and our ability to quickly engage additional team members helps Stantec meet our client's schedule needs on major projects and multi-site rollouts.

#1

Integrated
Architectural &
Engineering
Firm

Building Design +
Construction
2019



Efficiency By Design

We create value for you as our client. Combining our experience and understanding of your needs, we help you achieve high performance in safety, quality, and cost efficiency for agri-business, food and beverage facilities.

Focused On What Matters

Our core values guide us in all that we do. The way we protect our people, our clients, and our communities reflects who we are, what we believe in, and how we do our work. At Stantec, we do what is right, which means our health, safety, and environmental programs are the foundations of our business.

- Health and Safety: ISO 45001:2018 Certified
- Quality Assurance and Control: ISO 9001:2015 Certified
- Environmental Services: ISO 14001: 2018 Certified

Sustainability

We believe sustainable design is a game-changer and essential in today's world. We believe it can defy expectations and propel our communities into the future. Informed by data and grounded in the market, we design to support human resilience, health, and wellness while delivering value through life-cycle cost analysis and reduction of energy and carbon use. We're also helping clients realize the full potential of their projects with designs that consider optimization of Building Automation System controls to allow connections to Smart Buildings.

Integrated Project Delivery

We assemble truly integrated design teams that actively involve all disciplines concurrently during design, versus a traditional approach to design sequencing. This helps us quickly and efficiently develop coordinated design solutions that meet each project's requirements. This integrated approach can reduce design time and cost, and produces better project outcomes for our clients. Our integrated project delivery services for agri-business, food and beverage projects include:

- Feasibility and planning
- Optimizing production
- Process engineering
- Energy reduction and sustainable design
- Facility design
- Project and program management
- Environment, health, and safety
- Water treatment



Frito-Lay Canada
New Distribution Centre
Surrey, BC

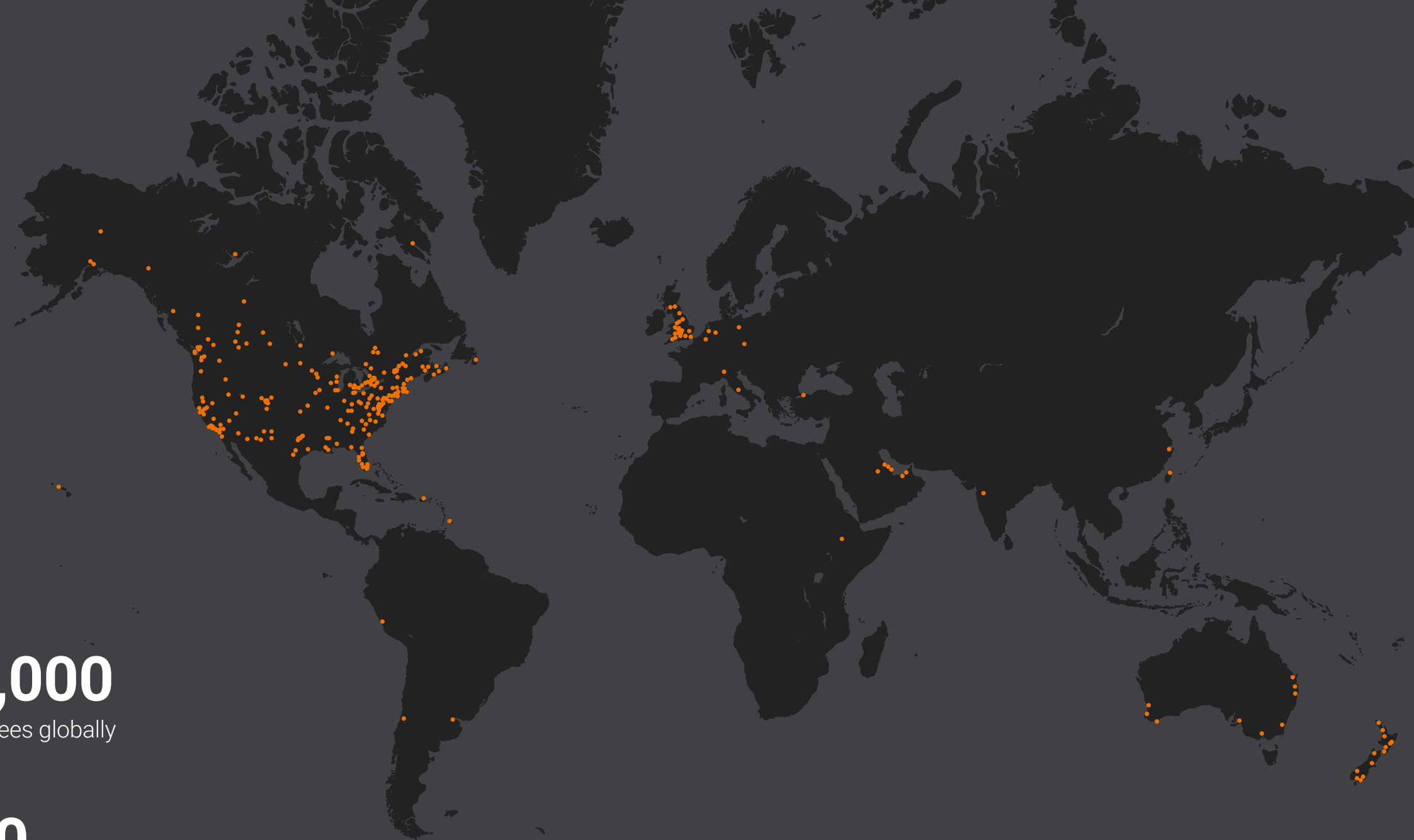


WE ARE READY TO SERVE YOU

Whether selecting our integrated approach or complementing your current team with one of our specialized disciplines, we can provide integrated industrial architecture, engineering, and management services throughout the entire project cycle – regardless of location. From upfront analysis and evaluations, to detailed design documents and start-up through commissioning, our team will combine our world class expertise with our local knowledge to help your project succeed.

22,000
employees globally

350
offices globally



FEASIBILITY & PLANNING

Stantec recognizes the unique challenges faced by agri-business, food and beverage manufacturers. Tight budgetary constraints. Pressure on productivity and efficiency. Regulatory and permitting delays. Rising utility costs. It can be a hard road, but it's one we can help you navigate.

It's our job to find innovative ways to expand or build capacity by leveraging existing resources to implement your vision. We provide the concept design and the numbers that make the most of your capital and keep you moving forward.

A keen understanding of market expectations is critical to ensuring that a facility plan reflects a client's capacity, capability, and flexibility requirements. Using a highly inclusive approach involving stakeholders from all levels of a client's organization, Stantec designs effective and functional programs that include material input / output evaluation. This program ensures that the physical size of the building can accommodate operational requirements while serving as the foundation for future flexibility. We plan for maintenance and operational space requirements, including lay-down space for goods, access, and guarding.

Feasibility & Planning Services

- Strategic facility master planning
- Concept design and feasibility
- Site evaluation and fit
- Due diligence reviews
- Distribution network and transportation studies
- Equipment and build-phased growth strategies
- Alternative floor plans and layouts designed around process
- 3D concept renderings with simulation
- Business case development
- Functional programming



Food Development
Centre
Portage La Prairie, MB



OPTIMIZING PRODUCTION

If you're looking for optimum efficiency, reliability, and sustainability in your manufacturing facility, then we're a match. Our industrial engineers have the creativity and skills to find you complete solutions for your challenges, from generating plant and warehouse layouts that optimize productivity, to finding ways to reduce product loss.

Stantec's teams look for ways to recover operational space in your existing structure, reduce labor with work standards, time, and method studies, and right-size production steps and production flows. We can upgrade and expand current capacity with minimal downtime, balance the flow of materials through packaging lines, show you how through our simulation models, and improve your ability to measure productivity and KPIs.

We design for FSMA, CFIA, and GFSI standards. Our experts can facilitate Lean Optimization, as well as Kaizen and Change Management. And, the Stantec team provides HACCP and Good Manufacturing Practice (GMP) audits.

By developing solutions that don't impede process efficiency, our clients realize better cost, schedule, and safety performance.



Paramount Farms
Silver Slice Line
Fresno, CA



Stantec provides targeted, cost-effective solutions to clients who are challenged with productivity, quantity, quality, safety, and / or logistical issues. Our designs take into account issues with operational, safety, personnel, and vehicle / personnel movement. Within the facilities

Jaimie Handscomb
Principal, Food & Beverage



PROCESS ENGINEERING

Stantec knows agri-business, food and beverage processors require innovative, economical, and high-quality solutions to thrive in a competitive marketplace. Advantages in process design and equipment technologies, together with strict attention to GMP, can go a long way in achieving business objectives.

Our process engineers are experts in the areas of process design, process engineering, conveying and packaging, custom equipment design and system integration, and automation and controls. Whether you need one, a handful, or all of the following solutions, Stantec has the specialists that design processes to make your business cutting-edge and efficient.

Process Engineering Services

- Process equipment layout
- Instrumentation and control
- Utilities and new equipment commissioning
- Structural platforms and equipment upgrades
- Wastewater treatment strategies and design
- Utilities conservation
- Custom equipment design and modernization

Process Design Services

- Raw material receiving and bulk unloading
- Bakery product processing systems
- Solids and powder batching systems
- Liquid batching
- Liquid, gas, and powder storage systems
- Centrifuges
- Homogenizers and pasteurizers
- Clean-in-place (CIP) systems
- Complete fluid piping systems for receiving, batching, processing, packaging, and cleaning
- Plant floor operator interface systems and data collection systems
- Check weighers and metal detection
- Filtration, including micro-filtration, nano-filtration, and reverse osmosis
- Boilers and sterilization
- Refrigeration systems

Conveying & Packaging Services

- Liquid and aseptic packaging
- Pneumatic and vacuum conveying
- Wrappers and palletizers
- Package fillers
- Boxes, cartons, and jugs
- Belt, roller, pneumatic, bucket, screw, and vibratory conveyors



Ocean Nutrition
Fish Oil Capsule Plant
Halifax, NS



EQUIPMENT DESIGN & CONTROLS

Want to increase throughput and automation while at the same time improve safety, ergonomics, reliability, and quality performance?

We've got you covered. We apply innovative thinking and engineering techniques, along with the latest in computer-based 3D design tools, to deliver safe, cost-effective, and efficient manufacturing solutions. Our experience includes equipment designed for high-speed packing systems, product processing systems, system integration, and material handling solutions.

Stantec's involvement from concept through commissioning and production means you're well-supported in achieving consistent standards with automation and controls. Our process engineers will review your existing facility capabilities for the support of automation expansion or improvement, identifying infrastructure upgrades (including planning for personnel training), and material management and logistics changes.

We are fluent in multiple platforms, and use PLCs and HMIs to create customizable control systems for client-specific applications. Stantec's people address plant-wide SCADA needs, and combine process with in-house plant cost accounting and MRP software with custom programming and development teams. Our experts, including safety engineers, design and improve electrical control systems and power distribution, and tackle equipment specifications, instrumentation, programming, and component procurement, as well as vendor-independent control systems.



Molson Brewery
Ventilation Review / Design
Moncton, NB



ENERGY REDUCTION

Using innovation and solid design expertise, our process engineers can lead the discussion on utility, steam, and energy issues at the earliest stage. Together, we'll arrive at solutions that conserve or re-use energy, capital, and resources for process efficiency.

Sustainable Design Services

- Capture and re-use of waste heat
- Refrigeration systems upgrade for performance and efficiency
- Ice plant generation for time of day use
- Compressed air systems testing and upgrade
- Design of low-pressure boiler systems that are compatible with the demands of older steam boilers
- Bio-gas digesters to process food waste into energy (cogeneration)
- Electrical efficiency upgrades and national rebate programs
- Centralized energy systems and automation and control



Our team has a lot of experience giving strategic advice to clients in the planning and sustainable design stage through to decommissioning and remediation. This team approach involves all stakeholders and disciplines to ensure environmentally, socially, and economically sustainable solutions.



Freezers Infeed
Fredericton, NB



FACILITY DESIGN

Our integrated facility design approach is the foundation for success. Stantec offers financially sound, practical solutions to complex facility planning, process, and manufacturing challenges. To minimize delays, every project begins with a permitting plan and a systematic outline for working through the approval process with regulatory agencies. Stantec's depth of knowledge of local and federal requirements specifically includes: FSMA / FDA, CFIA, HACCP, GFSI (e.g., FSSC22000, SQF, BRC), AIB, and GMPs.

Firmly committed to continuous innovation, our design and project management approach is highly collaborative, creative, and visionary. Characterized by clear ideas rooted in deep understanding of context, function, and best practices, Stantec's designs meet our clients' business objectives.

Our design team works closely with our clients and their operations and maintenance personnel to develop modern production facilities built around the clients' process. We give special attention to developing unified facility design so lighting, HVAC, refrigeration, sanitation, and communication systems enhance the operation of the main process equipment.

Our engineers, architects and interior designers consider and respond to the safety, quality, and comfort of the work environment. From cost assessments to furnishings, Stantec plans with the client's goal in mind.

Facility Design Services

- New builds and expansions, and brownfield conversions
- Decommissioning
- Land development and rezoning
- Workplace design for offices, locker rooms, and cafeterias
- Landscape architecture, fencing, gates, and signage
- Architectural services and permitting
- Structural, mechanical, communication, and electrical building services
- Fire protection and HVAC systems, specialty exhaust
- Warehouse and office design
- Refrigeration plants and process utility piping
- Site servicing, paving, and grading
- Utility upgrades and connections
- Sanitary design for HACCP, GMP, and GFS
- Cost estimating
- Geotechnical and environmental services
- Traffic flow studies
- OSHA Occupational Safety



*Frito-Lay Canada
New Distribution Centre
Surrey, BC*



PROJECT & ASSET MANAGEMENT

Stantec's project and program management team provides you with expertise and resources for planning, implementing, and controlling capital programs. It's all about supporting better decisions and reducing your risk. You'll always remain firmly in control of the project. We'll maintain project momentum and present high-quality information for better decision making along the way.

Project & Program Management Services

- Business case and project development consulting
- Contract and tendering administration
- Permitting assistance
- Project oversight and monitoring
- Value engineering and constructability review
- Major project / program risk management
- Project controls (including scheduling, cost management, document controls)
- Communications and reporting
- Phasing construction, transition, and move-in planning
- Construction administration, supervision, and safety
- On-site commissioning and start-up

Asset Management Services

Agri-business, food and beverage retains a significant part of their value in assets. Our asset management experts can help you review, analyze, and make the most out of your existing infrastructure, allowing your facility to run more efficiently and effectively in the future.

- Condition assessment and remaining service life analysis
- Life-cycle cost-benefits-risk analysis
- Risk assessment frameworks and risk management plans
- Extreme weather and climate change vulnerability assessment and adaptation planning
- Asset management policy and strategies
- Condition assessments
- Asset and state-of-the-infrastructure report cards
- Financial gap analysis, financial plans, and funding options
- Decision-support system development, implementation, and training

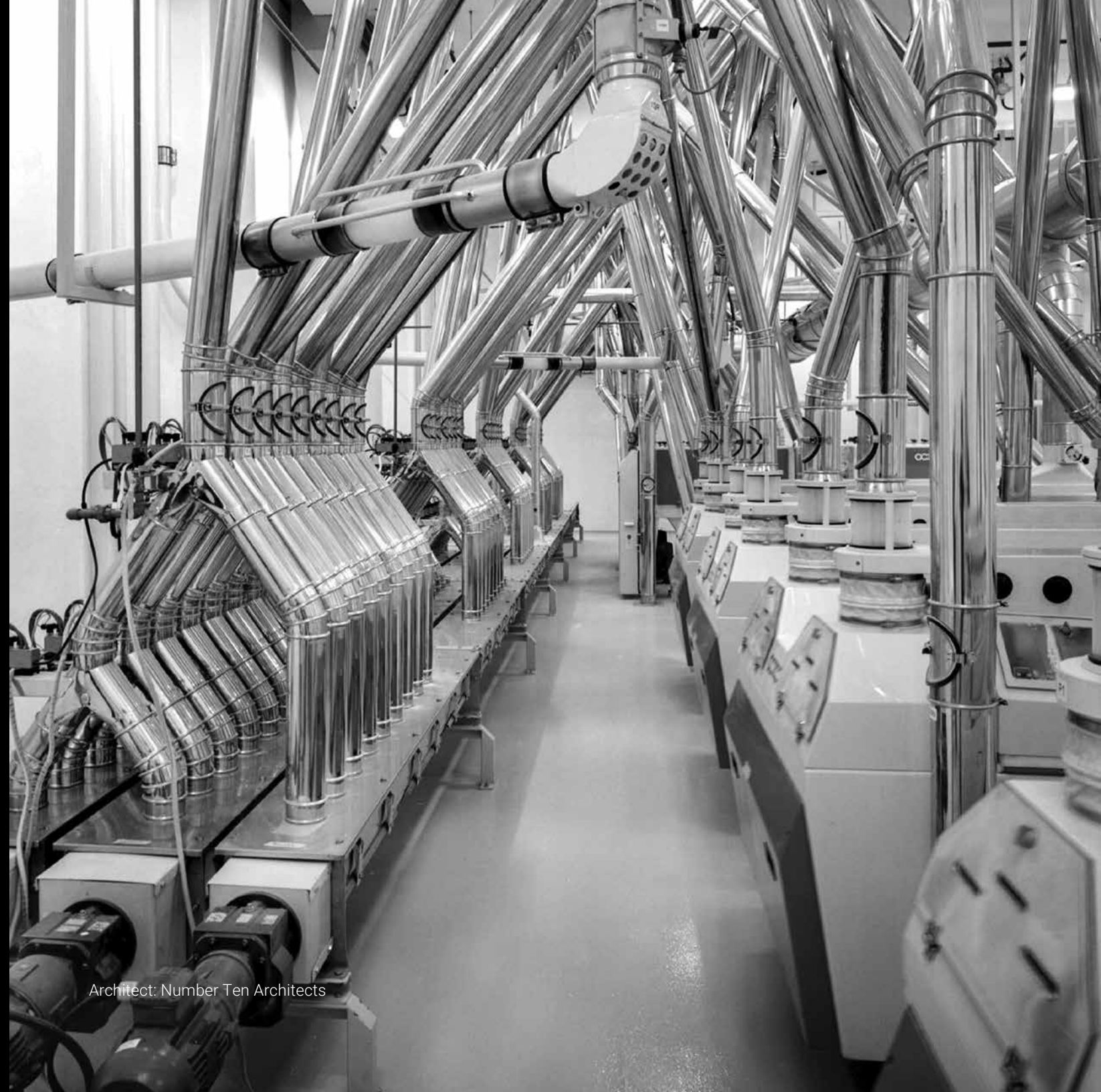
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Safe work practices
in place as part of
our core Project
Management
Framework at
Stantec.



Rogers Foods Ltd.
Flour Mill
Chilliwack, BC

Architect: Number Ten Architects



ENVIRONMENTAL, HEALTH, & SAFETY

Stantec's team of professionals assist a wide range of agri-business, food and beverage related clients with environmental, health, and safety projects across the globe.

Industrial Hygiene

Our experts in safety and industrial hygiene are focused on compliance assurance assistance. From regulatory audits to program development, and from air and noise monitoring to worker's compensation claim defense, our clients appreciate the wide range of services they can choose, including:

- Air monitoring and exposure assessments
- Diacetyl / flavorings exposure assessments
- Respiratory protection programs and training
- Ergonomics assessments and training
- Asbestos management
- Noise surveys and control
- Hearing conservation programs and training
- Dust control system design

Building & Equipment Code Review

Our industrial, mechanical, and electrical engineers provide additional safety services to our clients, such as code review and equipment operation in a number of different areas, including: fire prevention and safety services; arc flash investigation of electrical panels; and CSA verification of foreign-sourced equipment.

Stantec engineers also conduct pre-start health and safety controls reviews (PSHSR) to address inadequate machine guarding—a common cause of serious worker injuries. We develop solutions, including PLC software controls, for machine guarding that doesn't impede process efficiency.

Stantec specialists in hazardous environment classification and code review offer checks for flammable fluids and explosive dust.

Environmental Assessments

With over 900 environmental specialists, our team has the experience you need at any stage of your project. This includes strategic advice at the planning and design stage and assistance with regulatory approvals and permits, environmental construction inspection, and environmental monitoring programs.

Environmental Services

As stewards of the land, sustaining and preserving the environment is a top priority for our clients and for Stantec. Stantec understands what is needed to meet agricultural environmental requirements and will be there every step of the way.

- Environmental assessment and permitting
- Regulatory support and strategy
- Environmental monitoring
- Baseline and feasibility studies
- Atmospheric and noise assessment
- Compliance auditing
- Community and public outreach / engagement
- Human health and ecological risk assessment
- Phase I and II environmental site assessments
- Contaminant remediation
- Risk management and risk assessment
- Soil productivity and crop performance monitoring using remote sensing and GIS applications
- Agriculture biosecurity using remote sensing and GIS applications



Paramount Farms
Control Room
Fresno, CA



WATER & GEOTECHNICAL

Whether a client is brewing beer, making candy, churning dairy, or processing meat, the food and agri-business manufacturing industry has a universal connection: water.

Water Pre-Treatment & Reduction

Stantec provides project guidance through every stage of the water treatment lifecycle, from water quality analysis, conceptual design, and piloting design, through to construction and commissioning. We help our clients reduce and reuse water while maintaining GFSI standards.

Wastewater Treatment

Our modeling system reduces consumption and discharge, characterizes process streams, addresses hydraulic loading and variability, and troubleshoots process problems. At the same time, we identify pollution prevention alternatives and sustainable technologies specifically suited to each project.

The impact of climate change is seen in recent wastewater legislation and water reduction advisories across North America that have hit the food industry hard. Stantec's specialists in biological nutrient removal not only design effective treatments at the end of the pipe, but also look upstream with you to eliminate waste and and to safely and cost effectively reuse water where suitable.

Wastewater Reclamation & Reuse

Stantec is a leader in engineering water reclamation and reuse systems. We understand that existing systems often cannot keep pace with demands created by growing production, product expansion, drought, and other unforeseen occurrences. Water reclamation is a vital solution to our clients' businesses.

Stantec designs water reclamation and reuse systems that are used for a variety of services, including: vineyard and agricultural irrigation; encouraging groundwater replenishment; plant cooling and ventilation; and reuse in facility operations. We are dedicated to working along side you to conserve and protect our environment.

Geotechnical Services

Geotechnical engineering is an important aspect to starting your project off well and maintaining your project over the long term. Whether it's a new facility, drainage system, or rail system; our geotechnical team can provide a deep source of information. Our combination of technical expertise and local area knowledge helps us optimize design and minimize costs. This ultimately helps you execute a more successful project.

- Building foundations
- Bridge foundations
- Earthen structures (embankments, lagoons, dams, dykes)
- Site characterization studies (landfill, intensive livestock operations)
- Slope stability studies
- Hydrogeological studies
- Asphaltic concrete pavement design
- Linear structures
- Above ground storage tanks
- Below grade structures (reservoirs, electrical vaults, underground storage tanks)
- Horizontal direction drilling
- WEAP and PDA testing (piles)
- Subgrade assessment (footings)
- Engineering analyses of bearing capacity, settlement, slope stability, seepage, and pile lateral load



Molson Brewery
Ventilation Review / Design
Moncton, NB



FOOD PRODUCTION & PROCESSING

Agri-business, food and beverage processing and production is seeing renewed investment as organizations modernize plants and build new facilities to remain competitive. While new technologies, trends, and regulations are driving industry change, Stantec's focus remains the same: helping clients realize better cost, schedule, and safety performance.

Sofina Foods Poultry Processing Facility

This 250,000 sf project represents one of the largest major poultry facilities constructed in Canada over the last 20 years. The building includes temporary poultry storage facility, live receiving and processing areas, packaging, cold storage, 20-bay shipping / receiving area and a dedicated wastewater pre-treatment facility. The project also includes administration and staff amenity areas, and light maintenance and building / process support service spaces. Stantec facilitated functional programming, needs assessments, and schematic layouts with stakeholders to establish conceptual building, process, and site plans for the new plant.

Industrial Insect Protein Production Facility

Stantec provided integrated architectural and engineering services for this industrial insect protein production facility in Alberta. The project includes the design and construction of an insect protein production facility within an existing 166,000 sf industrial building. Inside the facility, the client will be raising black soldier fly larvae, producing a product with a high protein and fat content that can be processed into animal feed.

Lucerne Foods Manufacturing Plant Expansion

We provided conceptual engineering services to help Lucerne prepare its capital application to increase the capacity of their cooked meats operations. The upgrade involved several individual, but related, activities, including creation of a new area in the existing building to accommodate two six-cage smokehouses and a raw product staging area. In addition, our design relocated the existing caustic clean room, examined potential improvements to the existing ice delivery and disposal operations, and addressed surcharge issues with an unmanned wastewater treatment system.



Cantisano Foods
Fairport, NY



Say cheese! Over the past 15 years, Stantec has developed excellent working relationships on a variety of projects with dairy production and processing manufacturers such as Agropur, Lucerne, and Parmalat.

Cheese Cooler and Raw Milk Receiving Bay

With the plan in mind to increase milk production from 45 - 85 million L/yr to 125 million L/yr, Agropur's Diamond City facility in Alberta required a major expansion to its Lethbridge facility, including upgrades to utilities, processing space, site works, receiving, shipping, and storage. Stantec's team's across western Canada led the expansion's design and provided construction administration services.

New Victoriaville Plant

To meet the production needs of its plant in Quebec, Parmalat embarked on a 35,000 sf plant expansion that included new production rooms, packing room, palletization room, refrigerators, and shipping area – all built according to Canadian Food Inspection Agency standards. Stantec was retained to carrying out plans and specifications for the construction of the building as well as all process services and civil engineering.

Site Expansion

Stantec was retained by Agropur for geotechnical through final design completion and contract administration services for this southern Alberta warehouse. The project required significant upgrades to utilities, site works, receiving, cheese holding, shipping docks and warehouse storage. Our scope of work included functional services to their double milk receiving bay, adjacent operational office, lunchroom, and quality assurance lab, large cheese cooler with multi-level pushback racking, shipping docks, dry warehouse expansion, and forklift charging room.

Additional dairy facility projects include the following:

- Arc Flash Study, Granby, Quebec
- Effluent Treatment Capacity Study, Sussex Plant, New Brunswick
- Fats and Oils Discharge Study, Burnaby, BC
- Lucerne Foods Plant Expansion Capital Application, Calgary, Alberta
- Plant Capacity Increase Study (Whey Processing), Diamond City, Alberta
- Pre-Project Study, Beauceville Plant, Quebec
- Water Treatment Plant Expansion, Oka, Quebec



Milk mixing during the fermentation process



Maple Leaf Foods Olivieri Pasta Plant Upgrade

Our extensive experience in process engineering and current knowledge of equipment were key to the successful process upgrade of this plant. New process equipment included a pasta pre-dryer, cooler, belt for the existing pasteurizer, and several conveying systems to replace obsolete equipment. In addition, the existing refrigeration system was undersized for the new cooler and was replaced with a new system. The removal and installation of equipment was completed over a three-day plant shutdown, and equipment service connections and commissioning were performed while the plant continued production.

F.P. Bourgault Innovation Building

At its headquarters in rural Saskatchewan, F.P. Bourgault Industries needed an expansion to its equipment design space for use by its research and development and tooling teams. Stantec provided full architectural and engineering services for this 80,730 sf facility. Housed within a pre-engineered structure, the building consists of a two-storey office block and a production floor that incorporates welding and robotics bays, wash bay, drive-in spray booth, hydraulic pump rooms, and a metalworking area.

Click [HERE](#) to learn more about some of our additional food production and processing expertise:

- Cantisano Foods, New York
- Cavendish Farms, Project Lethbridge Potato Plant, Alberta
- Interprovincial Cooperatives Ltd., Manitoba
- Fresh Hemp Foods, Hemp Oil Canada, Manitoba
- Freezers Infeed, Fredericton, New Brunswick
- Food Development Center, Manitoba
- McCain Foods Plant Modernization, New Brunswick
- Mosaic Potash Mining Equipment Maintenance Shops, Saskatchewan
- Molson Brewery Ventilation Review & Design, New Brunswick
- Ocean Nutrition Fish Oil Encapsulation Plant, Nova Scotia
- Paramount Farms Silver Slice Line, California
- Paramount Farms Control Room, California
- Strathcona Agriculture Master Plan, Alberta



Paramount Farms
Silver Slice Line
Fresno, CA



FOOD DISTRIBUTION

We design networks, facilities, processes, and systems that meet the increasing pace and complexity of distribution. We work closely with clients to analyze, develop, and implement the most productive practices to maximize efficient material flow. Our simulations and designs help you to use space more efficiently and effectively, reduce costs, improve output, and increase productivity, service levels, shareholder value, and revenue.

Real Canadian Superstore & Distribution Centre

Stantec provided architectural services to this mixed-use facility in Vancouver, BC, which is a major warehouse, distribution center, and Superstore for Westfair Foods. Stantec created a new corporate identity for Westfair Foods that served as a design prototype for all its other stores. Challenged by a limited site and restrictive zoning regulations, Stantec maximized site opportunities and tucked the warehouse into the hillside, then placed the Superstore and 850-space parking structure on its roof. While warehouse and retail functions share the site, the uses remain completely separate. The warehouse is composed of temperature-controlled facilities, and goods are shipped and received through 48 truck and seven rail car loading docks.

Sobey's Distribution Center

To facilitate the demands of this growing western Canadian food chain, Sobey's expanded its Edmonton operations. Stantec provided architectural, interior design, structural, mechanical, electrical, and civil engineering services to design an addition and renovation to Sobey's existing food storage and distribution center. The project included the master planning of a 200,000 sf freezer / cooler addition; renovation of 300,000 sf of warehouse space; and the design of new staff, parking, truck loading, and storage areas. Construction was completed on time and on budget while maintaining operation of the existing facility.



Fowler Packing Co.
Fresno, CA



MTE Logistix Distribution Centre

Stantec was retained to assess the physical and operational short-falls of MTE's existing facility and to ultimately design a new facility that would: maximize warehouse area and racking opportunities to provide the greatest flexibility for constantly fluctuating product levels; integrate communication and distribution systems and hardware for several potential tenants; respond to stringent health board regulations and requirements; resolve the logistics of both integrating and sufficiently separating shipping and receiving requirements for several tenants while securing and separating perishable food products from bleaches, detergents and non-perishable items; and, incorporate a glass recycling facility. The result? Stantec's design exceeded the expectations of MTE and helped to resolve operational shortfalls in its existing premises.

Grain Elevator & Transfer Facilities Program

Stantec's environmental, geomatics, civil engineering, transportation, rail, and geotechnical services all worked together to assist GrainsConnect Canada through the design and construction phases for its grain terminals program. Each site was broken down into three phases – concept verification, early works, and design and construction – and meticulous planning ensured the projects aligned with the client's expectations.

Click [HERE](#) to learn more about our following additional food distribution expertise:

- Agriculture & Agri-Food Canada Office Amalgamation, Saskatchewan
- Frito-Lay Distribution Center, New York
- Frito-Lay Canada New Distributuion Centre, British Columbia
- Walmart High Velocity Distribution Centre Alberta



MTE Logistix
Distribution Center
Edmonton, AB



FOOD ACCESS

Bringing family, friends, and community together is our passion, and our depth of services allows us to bring the very best to our clients. As innovators in design, we are always researching the latest culinary and cultural trends to create new ways to approach design and the food access experience – for both guests and employees.

RCMP Depot Division Food Services Building

Through careful needs analysis and design planning, the RCMP Depot Division Food Services Building not only accommodates the increasing cadet population, but performs with elevated service efficiency and functionality. Stantec provided architectural, interior design, building engineering, civil engineering, and landscape architectural services for the new building which replaces a 47-year-old Divisional Mess Building.

Culinary Services - University of Saskatchewan

The University of Saskatchewan wanted to transform its 1960s-style university cafeteria line and dining hall. The vision and new mindset to achieve this entailed creating a new culinary experience by renovating Marquis Hall Cafeteria into a modern food and delivery service. The dining hall served approximately 650 students three meals per day, and also serves various food outlets on campus. Our team worked closely with the client from initial conceptual ideas, through to the planning and creative process, and into construction. As a full-scale renovation to its existing commercial kitchen, servery, and dining rooms, this space has truly transformed the students' culinary experience and set the stage as a state-of-the-art university destination.

Click [HERE](#) to learn more about our additional food access expertise:

- Merchant Kitchen, Manitoba
- Milestones Restaurants, Canada-Wide
- Chicago O'Hare Airport Concessions, Illinois
- Southern Tier Welcome Center, New York

To discover more of Stantec's extensive food access portfolio, visit:

[stantec.com / en / markets / retail-hospitality-mixed-use / restaurants](#)



*Culinary Services
University of Saskatchewan
Saskatoon, SK*



FOOD WASTE

The agri-business, food and beverage industry is continuously changing while staying at the forefront of setting standards for best practices around the world. With demands for innovation growing, coupled with the recognized need for stability in domestic and international food supply chains, industry has to rapidly meet new challenges while remaining profitable. At Stantec, we are equipped to support our clients in new initiatives, whether through the use of innovative new technologies, through new infrastructure, or ways to utilize solar and wind energies, and processes to reuse or capitalize on food waste products.

City of Calgary Compost Facility

In Calgary, nearly 60% of single-family household garbage is made up of compostable waste. The City of Calgary wanted to change this – reducing its use of landfills by way of a new Composting Facility. The Chinook Resource Management Group consortium was formed to help design, build, finance, and operate the facility, and hired Stantec as the Prime Consultant responsible for the facility design. The largest of its kind in Canada, the new facility includes the main composting processing building (35,5210 sf), a curing building (96,875 sf), and storage building (69,965 sf) as well as a LEED Gold certified education area with a classroom, observation mezzanine and adjacent outdoor learning garden.

Coquitlam Waste Transfer Station

Stantec assisted Metro Vancouver with the conceptual design and development permit for its new Waste Transfer Station in Coquitlam. The new station handles 200,000 tonnes of waste and is located on the existing Coquitlam landfill site. It is designed to be a modern, flexible facility that can accommodate the changing needs of the Metro Vancouver Solid Waste System.

Click [HERE](#) to learn more about some of our additional food waste expertise:

- Cavendish Farms, Potato Waste Conversion to Natural Fuel Biogas Facility, New Brunswick
- Lethbridge Waste & Recycling Centre, Alberta
- Surrey Biofuel Processing Facility, British Columbia



City of Calgary
Compost Facility
Calgary, AB



CONTACT US

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. 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 everywhere.

Stantec trades on the TSX and the NYSE under the symbol STN. Visit us at [stantec.com](https://www.stantec.com) or find us on social media.



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