



Integrated Solutions
**Environmental, Engineering, Project Advisory,
and Forensic Consulting**

VTX Consulting Services Inc. (VTX) is a full service environmental, engineering design, and construction services firm recognized for our integrity and quality work in Ontario and across Canada. As the Canadian subsidiary of The Vertex Companies, LLC (VERTEX), a US-based firm established in 1995, VTX has technical consultants across North America allowing us to work seamlessly throughout the western hemisphere. We proudly stand behind our first class work product and the expertise we bring to all areas of environmental and construction services, making us an asset on any project.

VERTEX MISSION

Responsive Delivery



Value-Driven Results

VERTEX VALUES

VTX continuously attracts and retains premier technical and leadership talent.

Through our worldwide network of strategic and technical resources, we are able to bring our solutions to the far corners of the globe with exceptional efficiency and local knowledge. Because every project is different, we are always building on our capabilities with a team that comes from diverse areas of expertise. We attract many of the industry's finest environmental scientists, engineers, construction professionals, architects, geologists, and IT specialists. The end result is a diversified team with the technical resources, training and skills to meet our customers' challenges.

VTX CLIENTS

VTX is focused on understanding and exceeding the needs of our clients from a variety of industries. We exceed clients expectations on a daily basis by being ever responsive and value driven; attracting and maintaining top talent that fits within our culture; and adding new services each year that benefit our broad client base.



Insurance Carriers & TPAs



Surety Providers



Financial & Investment Banks



Real Estate Owner, REITs,
Property Managers & HOAs



Law Firms



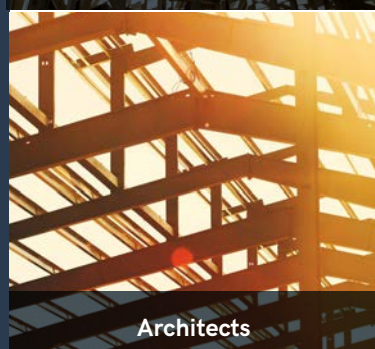
Industrial



Developers



Local, State, &
Federal Agencies



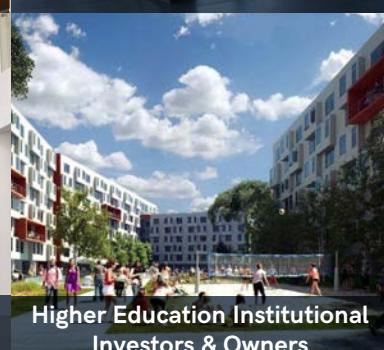
Architects



Commercial Tenants



Hospitals &
Healthcare Facilities



Higher Education Institutional
Investors & Owners

VTX SERVICES

At VTX, we understand that the effectiveness of a solution is all in the delivery. We approach our clients' challenges with a firm commitment to responsive, flexible service and a high degree of knowledge and quality.

Over the years, we have found that our rigorous, client-centric focus makes all the difference when it comes to project results. It is why we are successful at delivering solutions that make smart business sense.

Environmental | VTX is a global provider of environmental consulting, industrial hygiene, and remediation services. VERTEX works with a diverse number of industries and public agencies around the world to provide solutions that achieve environmental and sustainability goals as well as regulatory standards. We support our clients throughout the lifecycle of real estate: pre-acquisition due diligence, ownership and property management, property development/redevelopment, and sale. VERTEX performs comprehensive due diligence, develops solutions to minimize and manage impacts, and guides businesses to improved environmental, sustainability and health and safety performance.

Engineering | VTX provides civil and structural engineering design services on projects throughout the US and Canada. Services provided include Structural and Building Engineering Design, Civil Engineering Design and Land Development, Transportation and Infrastructure Engineering, Building Envelope Consulting, Property Condition Assessments, and MEP Design.

Project Advisory | VTX offers project advisory, contracting, owner's representation, and program management services throughout our global office network. Our solutions include: tenant improvement contracting (commercial interior), reconstruction & restoration, completion contracting, Property Condition Assessments (PCAs), and construction loss control consulting.

Forensic & Litigation Solutions | VTX's seasoned forensics team includes accounting, architectural, engineering, environmental, and construction experts who have responded to natural disasters/catastrophic events and who have worked on thousands of construction, development and design disputes. We offer Forensic Consulting services throughout the globe to a diverse set of clients that include insurance carriers, third party administrators, law firms, sureties, developers, HOAs, owners, property managers and contractors.

Because we are a traditional AEC firm that also offers forensic solutions, we practice what we preach. We offer expert services on megaprojects and high-profile real estate and other property or construction claims throughout the globe. Our claims experts offer standard of care, delay, damage, allocation, and environmental opinions on complex disputes.



Environmental



Engineering



Project Advisory



Forensic & Litigation
Solutions

ENVIRONMENTAL SERVICE AREAS

DUE DILIGENCE

- Phase I & II Environmental Site Assessments (ESAS)
- Ecological & Human Health Risk Assessments (DDRAS)
- Remedial Design & Implementation
- Peer Review
- Class A-D Engineering Estimates
- Property Condition Assessments (PCAS)

ONTARIO REGULATION 153/04

- Phase One and Two ESAs
- Modified Generic Risk Assessments (MGRAs)
- Tier III RAs
- Remedial Action
- Record of Site Condition (RSC Filing)
- Qualified Person (QP) Support & Advisory

EXCESS SOIL MANAGEMENT

- Soil/Fill Management Plans
- Assessment of Past Uses (APUs)
- Sampling & Analysis Plans (SAPs)
- Soil Characterization Reports (SCRs)
- Excess Soil Destination Assessment Reports (ESDARs)
- QP Support & Advisory

COMPLIANCE

WASTE MANAGEMENT

- Environmental Compliance Approvals (ECAs)
- Permitting
- Auditing
- Environmental Management Systems (EMS)

AIR QUALITY & HAZARDOUS MATERIALS

- Indoor Air Quality Assessments (IAQs)
- Soil Vapour Assessments (SVAs)
- Hazardous Materials Surveys
- Abatement Supervision
- Emissions Summary and Dispersion Modelling (ESDM)
- Permitting / Sector Registry

DESIGN ENGINEERING SERVICE AREAS

STRUCTURAL DESIGN ENGINEERING

CIVIL DESIGN ENGINEERING

FIRE PROTECTION ENGINEERING

ENERGY & SUSTAINABILITY SERVICE AREAS

BUILDING ENERGY PERFORMANCE ASSESSMENTS (BEPAS)

POST-IMPLEMENTATION EVALUATION OF ENERGY EFFICIENCY RETROFITS

DEVELOPING CORPORATE ENERGY PLANS

FEASIBILITY STUDIES

ENERGY AUDITS

CORPORATE SOCIAL RESPONSIBILITY (CSR) PROGRAM DESIGN & IMPLEMENTATION

EMPLOYEE TRAINING

SUSTAINABLE INGREDIENT SOURCING PROGRAM ASSISTANCE

CARBON FOOTPRINT REPORTING

SURETY, CONSTRUCTION MANAGEMENT & FORENSICS SERVICE AREAS

SURETY CLAIMS CONSULTING

CONSTRUCTION CLAIMS CONSULTING

ENVIRONMENTAL CLAIMS CONSULTING

FORENSIC ENGINEERING

FORENSIC ARCHITECTURE

FORENSIC ACCOUNTING

DIGITAL FORENSICS

VTX PERSONNEL

VTX has a team of qualified technical personnel with numerous years of extensive consulting experience across a variety of client sectors and disciplines. In addition to the key personnel listed below, VTX/VERTEX has a dedicated team of Professional Engineers, Professional Geologists, Scientists, Industrial Hygienists, Health & Safety staff with extensive applied experience.

Additional Technical Resources

VTX has developed proven alliances with subconsultants or subcontractors, including but not limited to the following:

Analytical laboratories	Hazardous Materials Assessment/Management
Archeological	Hydrogeology/Dewatering
Architectural	Licensed Waste Management (non-hazardous/hazardous)
Civil, Mechanical, Structural, Electrical Engineering	OH&S
Environmental Drilling	Ontario Land Surveyors (O.L.S.) & Surveying
Environmental Excavation	Private Utility Locators
Excavation / Demolition	Land Surveyors
Geophysical	Urban Planners
Geotechnical	
GIS	
In-Situ Remediation	





Christopher Johnston, M.A., P.Geo. (Limited), QPESA, Principal Geoscientist & Executive Vice President
VTX is led by Mr. Christopher (Chris) Johnston. With professional consulting experience since 1999, Chris has been instrumental in launching

and overseeing numerous strategic initiatives to improve performance for environmental managements systems, projects, and business markets. His track record has demonstrated a proven ability to attract and maintain clients and staff, negotiate terms and conditions, obtain regulatory approvals, and motivate peers and direct reports to perform to standards of excellence. Further, he can successfully advance environmental programs from start to finish through the solicitation of stakeholder input, employment of appropriate resourcing and learning through the experiences of others.

Chris serves as subject matter expert in contaminant hydrogeology, Records of Site Conditions (RSCs) and excess soil management. He is licensed to practice in environmental site assessment and remediation, including contaminant hydrogeology, with the Association of Professional Geoscientists of Ontario (PGO) and is a Qualified Person for Environmental Site Assessment in the Province of Ontario.



Mr. Andrew Zagorski, ACSB, FRM, CRM, Regional Manager

Mr. Andrew Zagorski has 15 years of experience in the construction and surety industry with a background in Risk Management and Finance. As Senior Consultant of the Canadian Construction Group, he has managed numerous

complex projects throughout Canada. Andrew's involvement in surety and construction includes a broad range of projects from correctional institutions to wastewater treatment facilities, hospitals, schools, and a wide range of infrastructure projects. Mr. Zagorski's knowledge of construction procedures and managing budgets have proven to be key assets in taking a project from a contentious state to completion with positive results. He has consulted on matters where Funds Control, Forensic Accounting, and Data Management have been necessary on multi-project defaults with a single client.

In addition to project management, Mr. Zagorski has been involved with various construction associations and has presented on a number of construction topics through webinars, and the Surety Association of Canada AGM. He served as a director on the board of the Calgary Construction Association in Western Canada. Mr. Zagorski continues to develop VTX's brand recognition and build client relations throughout Canada.



Toby Glanville, Senior Project Manager

Toby Glanville is a Senior Project Manager with the Environmental Due Diligence & Remediation group at VTX Consulting Services Inc. Toby has worked in the environmental site assessment (ESA) and remediation field

since 2005. He has managed or supervised hundreds of environmental due diligence and regulatory investigations, including Phase I/One and II/Two ESAs, underground storage tank removals, excess soil characterization, and soil/groundwater remediation at various residential, commercial, industrial, provincial, federal, and indigenous properties throughout Ontario. Regulatory ESAs that Toby manages typically support land development services to fulfill provincial regulations or municipal zoning and conveyance requirements.



Julia Kusz, Environmental Scientist

Julia Kusz is a skilled environmental scientist of The Vertex Companies, LLC Canadian operations (VTX Consulting Services Inc.) based in Toronto, Ontario. Julia completed a post-graduate program at Conestoga College for Environmental

Engineering Applications and holds a B. Sc. degree from Wilfrid Laurier University. Julia has extensive experience in completing a wide variety of environmental projects including Phase I ESAs, Phase II ESAs and remediation. Her fields of expertise include formulation and implementation of work plans involving soil and groundwater field investigations, evaluation of QA/QC data, interpretation of environmental data and preparation of reports. Julia continues to serve corporate and other clients in various industries across Canada and supports our U.S. offices on various portfolio due diligence and other projects. Julia obtained her Environmental Professional (EPt) Certification in 2017. She is also working towards a Certified Technician (C. Tech.) designation with The Ontario Association of Certified Engineering Technicians and Technologists (OACETT). Most recently in June 2022, Julia earned her Master of Science degree from the University of Denver.



Mr. Jaeger Perna, Environmental Scientist

Mr. Perna is an Environmental Scientist with experience in conducting Phase 1 Environmental Site Assessments (ESAs) including review of regulatory database reports, site inspections and identifying issues of potential

environmental concern; Phase II ESAs involving formulation of work plans, supervision of drilling, soil logging, and sampling, groundwater monitoring and sampling, interpretation of results in accordance with applicable regulatory criteria; preparation of remedial action plans, site remediation fieldwork including confirmatory sampling; conducting 3R's waste audits; Designated Substance Surveys (DSS). In addition, Mr. Perna assists with the preparation of proposals, reports, management of subcontractors and client liaison.



Rakesh Koneru, P.Eng., QPESA, Senior Environmental Engineer, Consultant

Mr. Rakesh Koneru joins VTX Consulting Services with nearly 20 years of experience in the construction and environmental fields, 10 years of which were spent solely in the environmental consulting field.

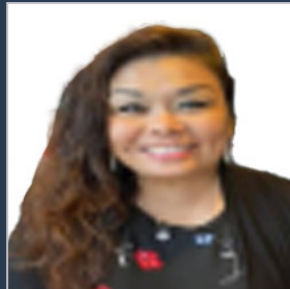
He is a licensed Professional Engineer in good standing with Professional Engineers Ontario since 2003. His acumen of knowledge comes from being in the field through the years. He has experience in various drilling practices, small and large remedial clean ups and soils management which supplement his knowledge of construction practices of various types of buildings. He specializes in Brownfield Redevelopment including filing of Record of Site Conditions. He is also active in conducting Property Condition Assessments and has knowledge of different building systems and construction types, including multi-tenant plazas, low-rise residential buildings, commercial big box structures and industrial buildings.



Hugh Scobie, M.Sc., DABT, C. Chem., QPRA, Principal Risk Assessor / Toxicologist

Mr. Scobie is a Senior Risk Assessor with VTX. Mr. Scobie is a board-certified toxicologist and chartered chemist with 25 years of experience in conducting human health and environmental

risk assessment. He provides expert advice in the fields of human health and ecological risk assessment and toxicology, site-specific risk assessment, environmental toxicology, probabilistic exposure assessment, multi-media risk assessment, review of risk assessments and toxicology and development of regulatory standards for chemicals in soil and other media. He was previously employed with the Ontario Ministry of the Environment (now Ministry of the Environment, Conservation and Parks or MECP) as a Regulatory Toxicologist in the Human Toxicology and Air Standards section of the Standards Development Branch. In his previous work at the MECP, he provided expert advice in assessing the risk of adverse effects resulting from exposure to a wide range of hazardous chemicals. With his years of experience and expertise in conducting risk assessments in Ontario, Mr. Scobie has been designated by the MECP as a Qualified Person (QPRA) for conducting risk assessments under Ontario Regulation 153/04 (as amended). Over his 25-year career he has successfully completed over 500 risk assessments.



Theresa Repaso-Subang, RPBio, DABT, ERT, QPRA, Senior Risk Assessor

Ms. Repaso-Subang is a Senior Risk Assessor and a subconsultant to VTX with over 25 years of experience in environmental and human health toxicology and risk assessment. She has been a board-

certified toxicologist with the American Board of Toxicology (DABT) since 2004 and a European Registered Toxicologist (ERT) under the United Kingdom Registry of Toxicologists since 2015. Theresa is a Qualified Person for Risk Assessment under the Ontario Regulation 153/04 of Ontario's Environmental Protection Act and under the Saskatchewan Environment Regulation. Theresa has worked on many environmental projects in North America and internationally under a variety of regulatory programs and has served as an expert in regulatory hearings in support of environmental assessments for proposed mining, power, oil & gas, mining, transportation, waste and nuclear projects.

VTX HEALTH & SAFETY

VTX places the highest priority on health and safety and is committed to maintaining a safe and healthy workplace and to protecting the environment. We believe excellence in Health, Safety and Environmental practices is vital to the wellbeing of all people everywhere and essential to all aspects of our global business. The firm has health and safety policies and maintains a health and safety program conforming to the best practices in our fields of operation and at a minimum meets or exceeds regulatory requirements. We understand that a successful program must embody proper attitudes towards injury and illness prevention on the part of management, supervisors, employees, and subcontractors under our supervision.



VERTEX is a family of companies including: The Vertex Companies, LLC; VTX Consulting Services Inc. (Canada); and Vertex Ingenieros Consultores, S. de R.L. de C.V. (Mexico). Our international network of resources enables us to provide our multi-national clients with the most qualified local professionals who understand the culture, language and regulatory system while maintaining the high quality service that our customers expect.

NETWORK & OFFICE LOCATIONS WORLDWIDE

* Office Locations

NORTH AMERICA

UNITED STATES

Arizona*
California*
Colorado*
Connecticut*
Florida*
Georgia*
Hawaii*
Illinois*
Kansas*
Massachusetts*
Michigan*
Missouri*
New Jersey*
New York*
North Carolina*
Pennsylvania*
Texas*
Washington*
Washington, D.C.*

CANADA

British Columbia
Alberta
Saskatchewan
Manitoba
Ontario*
Quebec
New Brunswick
Nova Scotia
PEI

MEXICO

Juárez
Mexico City*
Monterrey*

EUROPE

Austria
Belgium
Bulgaria
Czech and
Slovak
Republics
Denmark
Estonia
Finland
France
Germany
Greece
Hungary
Ireland
Italy
Latvia
Lithuania
Netherlands
Norway
Poland
Portugal
Romania
Russia
Spain
Switzerland
Turkey
UK

SOUTH AMERICA

Argentina
Brazil
Chile

ASIA PACIFIC

Australia
China
India
Indonesia
Japan*
Malaysia
New Zealand
Philippines
Singapore
Taiwan
Thailand

MIDDLE EAST

Kuwait
Oman
Qatar
Saudi Arabia
United Arab
Emirates

AFRICA

Angola
Cape Verde
Egypt
South Africa



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VTX Consulting Services Inc. is the Canadian subsidiary of The Vertex Companies, LLC (VERTEX), a United States corporation headquartered in Weymouth, Massachusetts.



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vertexeng.com



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