



# MUNICIPAL SERVICES

ENVIRONMENT

WHETHER LARGE OR SMALL, RURAL OR URBAN, ONTARIO MUNICIPALITIES ARE IN THE MIDST OF RAPID TRANSFORMATION. AS DEMOGRAPHICS EVOLVE, SO DO OUR ROADS, BUILDINGS, WATER MANAGEMENT SYSTEMS, RESIDENTIAL LANDSCAPE, AND BUSINESS CENTERS. ACROSS THE PROVINCE, CLIENTS TRUST OUR ENGINEERS AND SPECIALISTS TO HELP THEIR COMMUNITIES FLOURISH.

50+

Years of experience  
in Canada

16+

Environment  
Offices in Ontario

400+

Environment  
Employees in Ontario

1,200+

Environment  
Employees in Canada

# DELIVERING WORLD-CLASS ENVIRONMENTAL MUNICIPAL SERVICES



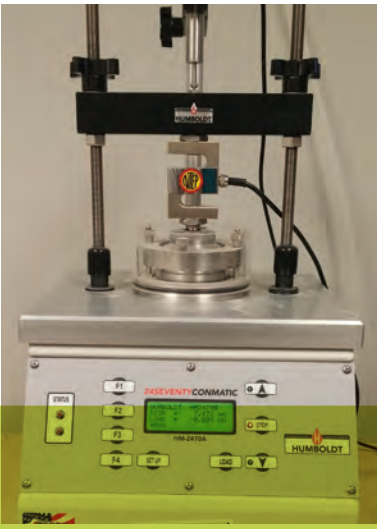
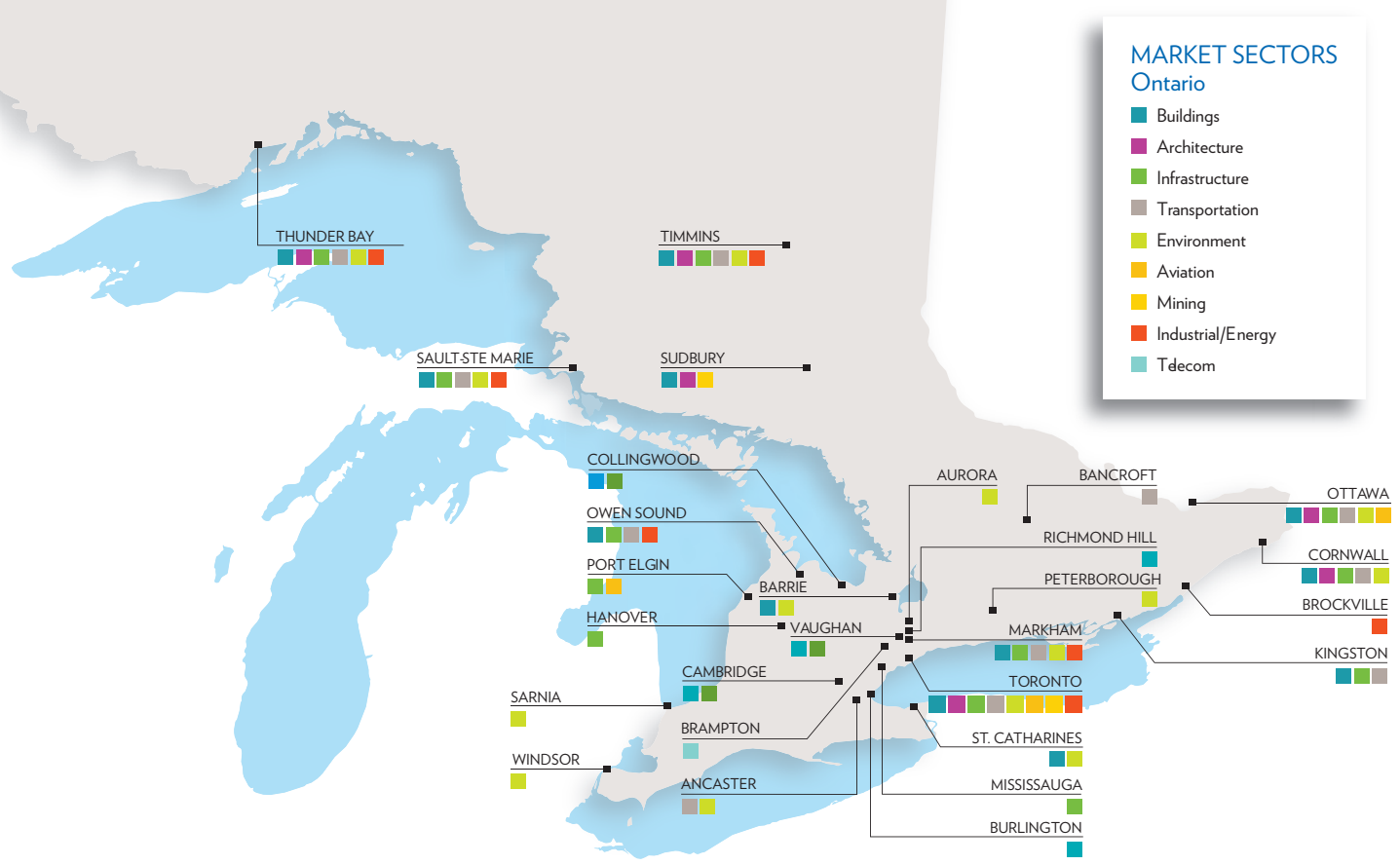
## WSP IS THERE EVERY STEP OF THE WAY

Ontario municipalities are among some of Canada's fastest growing communities. From topics on sustainable growth to accessible renewable energy, growing communities and aging infrastructures call for renewal. Accordingly, priorities for stakeholders in the public and private sectors include maintaining, supporting and enhancing these vital components that make their community a great place to live and work. Thinking ahead begins with thoroughly assessing today's situation, studying the past, and planning strategically to produce the optimal outcome.

In addition to increasing population and aging infrastructure, other elements to be taken into account include safely maintain, rehabilitating or replacing these vital components of our rural and urban communities.

Examples are the best use of construction materials, such as reinforcing steel inspection, as well as public safety surrounding land remediation.





## GLOBALY POSITIONED MARKET LEADER AND LOCAL EXPERT

WSP is a market leader positioned globally and ranking as one of the top 10 professional services firms in the world. We plan, design and engineer comprehensive solutions to address the unique challenges faced by our clients.

Our team of professionals is strategically located throughout Ontario, enhancing our knowledge of local municipal practices and allowing for expedited project delivery. Our multidisciplinary team approach allows for continuity of projects from start to finish regardless project location or size.

# WHAT WE DO

## PLANNING

Municipal Class Environmental Assessments

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Ministry of Transportation  
Environmental Assessment

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Renewable Energy

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Aggregate Licensing & Compliance

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Public and Agency Consultation &  
Stakeholder Engagement

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Development Permitting and Approvals

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Land-use Planning

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Feasibility Studies

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## NATURAL ENVIRONMENT

Terrestrial and Aquatic Technical Assessments

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Environmental Impact Studies

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Species at Risk Assessment and Permitting

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Landscape Architecture & Streetscaping

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Tree Inventory and Arborist Assessment

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## GEOMATICS

Topographic Surveys using  
GPS and Total Station

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GIS Data Collection and Analysis

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3D Modeling

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## INDUSTRIAL AND ENERGY

Hydroelectric Dams

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Solar Farms and Gardens

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Wind Turbines

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Gas-fired cogeneration

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## MUNICIPAL INFRASTRUCTURE

Roads Assessments

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Bridges and Culverts OSIM Inspections

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Roads, Bridges and Culverts Design

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Water Supply and Distribution

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Water and Wastewater Treatment Systems  
Design, Operation and Monitoring

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Storm and Sanitary Sewer Design, Operation  
and Monitoring

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Stormwater Management

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## GEOTECHNICAL

Subsurface Investigations for Infrastructure

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Shallow and Deep Foundation Design

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Pavement Design

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Aggregate Resource  
Identification, Permitting, Approvals

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## MUNICIPAL AND COMMERCIAL BUILDINGS

Structural Concrete, Steel and Wood

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Electrical and Mechanical

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Building Envelope

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Illumination

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Commercial Entrances

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## CONTRACT ADMINISTRATION AND CONSTRUCTION INSPECTION

MTO RAQs certified Project Managers,  
Contractor Administrators and Inspectors

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MTO Highways and Bridges

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Municipal and County Roads and Bridges

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## ENVIRONMENTAL

Site Assessment and  
Contamination Investigations

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Site Remediation and Cleanup

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Landfill Monitoring, Design,  
Operations and Closure Plans

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Designated Substances Surveys

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Hydrogeological Investigations

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Permit To Take Water Applications

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## CULTURAL ENVIRONMENT

Archaeological Assessments

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Cultural Resource Management

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Heritage Assessment

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First Nation Cultural Assessment

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## MATERIALS TESTING AND ENGINEERING

CCIL and MTO Certified Laboratories

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Asphalt, Aggregate Materials,  
and Concrete Testing

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Particle Size Analysis

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Field Inspection and Testing

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Compaction by Nuclear Densometer

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Rock and Soil Sampling and Logging

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## ABOUT WSP IN CANADA

As a Canadian multinational, WSP is one of the world's leading engineering consulting firms. A leader in transforming the built environment and restoring the natural environment, our expertise ranges from engineering iconic buildings to designing sustainable transport networks, to environmental remediation and urban planning, to developing tomorrow's energy sources and finding innovative ways to extract essential resources. Working with governments, businesses, architects and planners, we provide integrated solutions for all of the markets in which we operate. With 8,700 dedicated professionals in Canada, supported by a worldwide network spanning 40 countries, our teams are committed to helping our clients succeed no matter how they grow, what they choose to do, or where they move.

[wspgroup.ca](http://wspgroup.ca)  
[environment-canada@wspgroup.com](mailto:environment-canada@wspgroup.com)

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