

# SARAFINCHIN

## COMPANY PROFILE

Since the parent firm was founded in 1979, SARAFINCHIN Consulting Engineers has expanded into a group of specialist geoenvironmental engineering and environmental services.

Our consulting engineering services include geotechnical and geological engineering, geoenvironmental engineering and hydrogeology, construction inspection and laboratory materials testing, and earth science management.

The principals of our engineering companies have completed over 3000 projects in Canada, United States, Mexico, the Caribbean, South America, Africa and the Middle East on a wide spectrum of engineering assignments involving transportation, telecommunications, mining, forestry, power generation dams, industrial plants, municipal infrastructure, buildings, tunnels and marine structures.

Our engineering staff comprises engineering geologists, geotechnical engineers, hydrogeologists, earth scientists, technologists and technicians supported by computerized systems, field testing equipment, certified testing laboratories and administrative personnel.

Our engineering group is owned by dedicated key employees who assist our public and private sector clients to provide innovative, cost effective, and technically sound solutions on schedule and within budget.

## HEAD OFFICE

**SARAFINCHIN Associates Ltd.**  
**Sarafinchin GEOENG Inc.**

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## LIAISON OFFICES

Halifax  
Montreal  
Ottawa  
Hamilton  
London  
Sudbury  
Calgary  
Vancouver

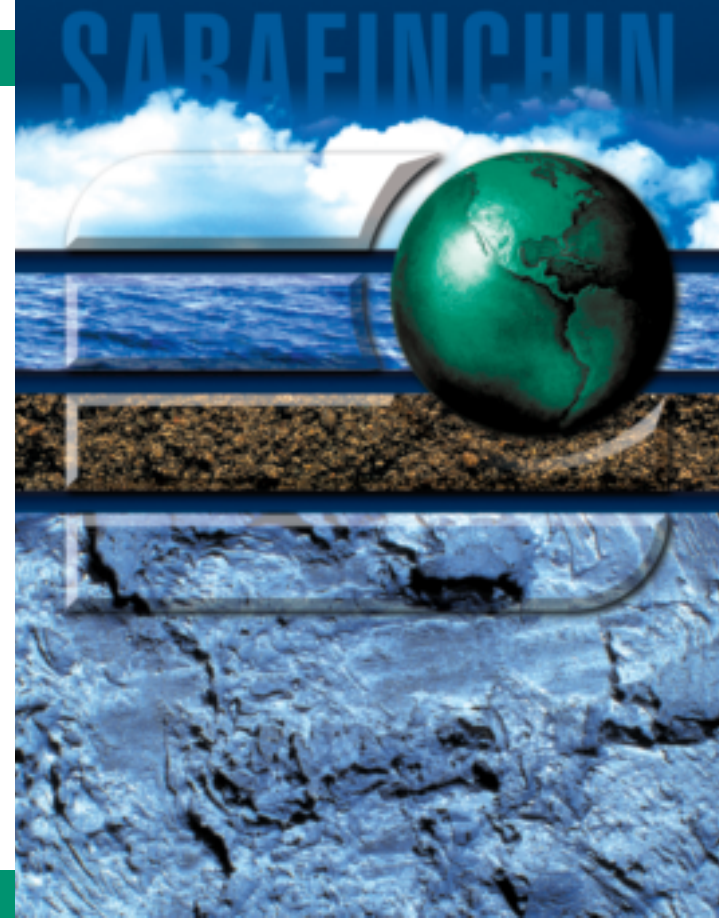
United States  
Mexico  
Caribbean  
South America  
Africa  
Middle East  
Europe  
Southeast Asia



**SARAFINCHIN**  
GeoEng • Consulting Engineers



**GeoEng**



## GEOENGINEERING SERVICES

### GEOTECHNICAL

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Geological Mapping  
Geophysical Surveys  
Terrain Evaluation  
Site and Route Selection  
Quarries and Aggregates

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Land and Marine Drilling  
Site Investigation Reports  
Soil and Rock Mechanics  
Foundation Engineering  
Dam and Reservoir Design  
Open Pit and Underground Mines  
Mine Tailings Management  
Slope Stability Analysis  
Tunnel and Shaft Studies  
Excavation and Shoring  
Ground Stabilization  
Pavement Evaluation and Design  
Erosion and Drainage Surveys  
Frozen Ground Engineering  
Seismic and Vibration Surveys

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Instrumentation and Monitoring  
Construction Inspection  
Materials Laboratory Testing

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Research and Development  
Computer Modelling  
Pilot and Production Testing  
Design Specification Review  
Peer Review Teams

### GEOENVIRONMENTAL

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Hydrogeology and Hydrology  
Groundwater and Surfacewater Interaction  
Groundwater Supply and Control  
Water Quantity and Quality  
Site Wastewater Treatment

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Environmental Site Assessment  
Environmental Impact Assessment  
Environmental Risk Assessment  
Geochemical Sampling and Testing  
Toxic and Hazardous Materials  
Hydrocarbons and Metals  
Contaminant Migration Control  
Remediation Technologies Screening  
Containment and Extraction Systems  
Underground Storage Tanks  
Site Remediation  
Waste Management  
Biological Services

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Landfill Containments  
Leachate and Gases  
Septic Systems  
Agency Liaison  
Regulatory Approvals  
Permits and Certification



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### GEOCONSTRUCTION

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Condition Surveys  
Site Rehabilitation Studies  
Marine Surveys

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Borehole and Test Pit Logs  
Foundation Inspection  
Caisson and Piling Inspection  
Grouting and Underpinning  
Soil Compaction Testing  
Earthworks Quality Control  
Precision Ground Surveys

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Geomechanics and Rock Testing  
ASTM Soil Laboratory Testing  
MTO Aggregate Testing  
CSA Concrete Technology  
CCIL Asphalt Technology  
CWB Steel Inspection  
Roofing Inspection  
Subdrainage and Waterproofing  
Geosynthetic Testing

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Technical Audits  
Air Quality Studies  
Asbestos Surveys

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Feasibility Studies  
Claims Review  
Forensic Engineering  
Expert Testimony