



ENGCONSULT LTD.

PROFILE

Engconsult Ltd. is a multidisciplinary consulting firm established in Toronto, Canada and maintains a Certificate of Authorization from Professional Engineers of Ontario. Engconsult has offices in Canada, Japan and Bangladesh. A key element of Engconsult's strategy has been the ability to combine the latest worldwide professional advances with a thorough knowledge of the local socio-economic conditions, to reach solutions that are optimal, cost effective, and practical to implement.

SERVICES

Engconsult's clients benefit from its in-house capacity to form project teams whose expertise cover Engineering, Planning, Environmental and Social Science, and Information Technology, supported by a strong cultural awareness. Engconsult strongly believes in the power of combining advanced technology, engineering and management knowledge and expertise in change management, to respond to clients' needs. The following are our areas of specialization:



ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT

- Environmental and social impacts of roads, highways, and bridge projects
- Environmental and social impacts of power, oil, and gas projects
- Environmental and social impacts of water supply and sanitation projects
- Environmental and social impacts of energy efficient technology application projects
- Environmental and social training and public consultation

CLEAN DEVELOPMENT MECHANISM

- Capacity Building in CDM
- CDM market study
- CDM feasibility study in transport and energy sector



GROUNDWATER ARSENIC CONTAMINATION

- GIS inventory and mapping
- Groundwater resources management
- Arsenic health risk assessment and mitigation measures



AIR QUALITY MANAGEMENT

- Urban air quality management
- Planning vehicle I/M program
- Regulatory framework for refinery assessment and renovation
- Industrial permitting
- Dispersion modeling (SCREEN, ISC-PRIME, AERMOD, CALINE4, CAL3QHC)
- Air quality training

TRANSPORTATION PLANNING

- Traffic survey
- Traffic forecast
- Traffic safety analysis
- Traffic demand modeling
- Corridor and access road analysis
- Traffic operation and management
- Feasibility study of mass transit system

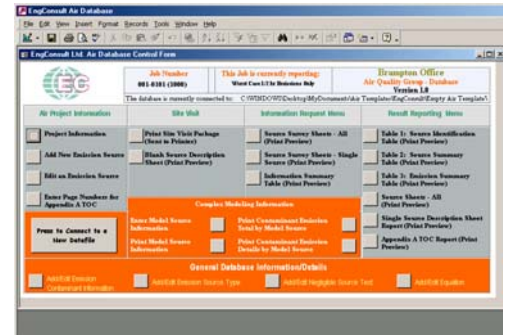


HIGHWAY ENGINEERING

- Feasibility study of roads and associate structures
- Topographic survey and route alignment
- Condition survey, evaluation and rehabilitation
- Geotechnical and material investigation
- Preliminary and detailed engineering design
- Road maintenance and supervision
- Structural evaluation and load rating
- FEM analysis and design of highway structures

IT SOLUTIONS

- Web-based applications with .net COM, web-services and conventional COM objects
- Object oriented concepts, analysis, design, coding and testing
- Web technologies (ASP.net, ASP, JSP, VB and Java Scripts, XML)
- Database development for emission summary and dispersion modeling and NPRI reports based on Ontario Reg. 346 and 127



PEOPLE

Engconsult is built upon a core staff of engineers, environmental and social scientists, and planners supported by associates available for specific project assignments within their specialty areas. Engconsult's key personnel are highly qualified professionals, each having post-graduate degrees with decade of experience with major engineering and planning firms and research organizations. As a result of this experience, the professionals at Engconsult are highly qualified and concentrated in planning projects that are practical in concept, technically sound, economically viable, and environmentally benign. The firm has a comparative advantage in providing consulting services requiring multidisciplinary expertise and sophisticated analytical capabilities. It has accumulated a wealth of experience in the major sectors of the economy with in-depth global knowledge and cultural understandings.



EXPERIENCE

Engconsult's engineers and scientists have successfully carried out projects in many different countries of the world. Drawing on its outstanding engineering, planning and operations know-how, Engconsult has contributed to the creation and development of several major projects worldwide. Our experience varies from the project preparation to project implementation stages.

The following are a list of typical projects of Engconsult Ltd:

- ADB TA 4382-TAJ: Dushanbe-Kyrgyz Border Road Rehabilitation Project, 2004.
- ADB TA 4374-AZE: Yevlax-Ganja Road Rehabilitation Project, Azerbaijan, 2004.
- ADB TA 6153-REG: Turkmenistan-Afghanistan-Pakistan Natural Gas Pipeline Project II, Pakistan, 2004.
- Clean Development Mechanism in Transport Sector: Opportunities and Challenges in Thailand, 2004.
- ADB PPTA 3989-INO: Second Road Rehabilitation Project, Indonesia, 2003.
- GHG Reduction Potential of Energy Conservation System in DEPZ, Bangladesh, 2003.
- EIA for Area Traffic Control System, Iran, 2002.
- Detailed Engineering Design of 2nd Tomei Expressway, Japan, 2002.
- Vehicle Inspection and Maintenance Program as a Potential CDM Project in Transport Sector in Asia, 2001-2002.
- Water Resources Management in the Remedy of Groundwater Arsenic Contamination, Bangladesh, 2001.
- Preparation of Emission Summary and Dispersion Modeling Report, Ontario, Canada, 2001-2004.
- Study on Centralization of Bus Traffic Management and Demonstration Project to Ease Traffic Congestion in Dhaka, Bangladesh, 2001-2002.
- Development of software for the preparation of emission summary and dispersion modeling report, 2001-2004.



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