



Municipal Infrastructure ANALYST

Location: Waterloo and Collingwood, Canada

Description: Two (2) Full-time Positions

Closing Date: Friday September 29, 2017

Background

Greenland International Consulting Ltd. (Greenland) is a Canadian, award winning enterprise that works in the environmental, clean energy and low impact development sectors. Specifically, projects with an integrated watershed management and infrastructure planning/design; information technology; and, public-private partnership focus. Greenland is a member of the GREENLAND® Group of Companies (www.grnland.com) which includes other professional engineering and 'Smart Product' affiliates. Through the dedication of multi-disciplinary teams, Greenland provides full-service engineering, urban design planning and landscape architecture. The company's business model and corporate brand are unique because of commitments to innovation; attention to detail; and, the personality of a "*Canadian enterprise with a global impact*". Greenland's client base includes all levels of government; Indigenous Peoples; utility and resource sector industries; railways; and, land developers.

In 2012, Greenland expanded its consulting services and proprietary tools with partners in the United States, South America, Pacific Rim and Europe. Canadian offices are located in Collingwood, Greater Toronto Area and Region of Waterloo. The company also has Alberta-based business partners. The Board of Directors includes key employees, First Nation and (former) Public Sector professionals.

Greenland became a member of the Communitech Hub in 2013 and currently operates a satellite office from this Internet-of-Things (IoT) Centre of Excellence. Communitech is the organization that provides services to the Waterloo Region's technology sector and has been referred to as "Canada's Silicon Valley". Greenland strongly believes that by developing 'Smart' decision support systems with a watershed sustainability and cumulative effects focus; using them for strategically growing its niche consulting services; and, being retained by clients on a long-term basis to maintain, run and train staff with these new systems, Greenland will continue to contribute to Canada's economy.

Greenland has undertaken many integrated watershed planning and Class Environmental Assessments (EA) infrastructure projects. First and foremost, Greenland is a municipal infrastructure design and construction management firm with integrated environmental engineering and software development expertise. However, Greenland's business units rely on spatial analysis, data processing and visualization tools, and open data using in-house software. Greenland also offers second-to-none capabilities in developing the "next evolution" of Decision Support Systems (DSS) in partnership with universities. Partners include the University of Guelph, University of Waterloo, Lund University (Sweden) and Penn State University (U.S.). Our industry recognized tools have included the first Environment Canada watershed systems database packages; Visual OTTHYMO© (a Canadian stormwater management model); and, proprietary Internet-GIS modeling platforms, such as **CANWET™**, **THREATS™** and **ISWMS™**.

Company growth and new technology targets have also been achieved involving private and public sectors, as well as trusted / respectful partnerships with Canada's Indigenous Peoples.



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Description of Full-time Positions

Greenland is seeking two (2) Municipal Infrastructure Analysts to join collaborative teams operating at the company's City of Waterloo and Town of Collingwood, Ontario offices.

Qualifications:

Candidates must meet the following minimum requirements:

- Degree in Geography or Environmental Science or Civil Engineering with a water resources or environmental sustainability focus;
- Minimum three (3) years post-graduation, professional and relevant experience;
- Strong background using GIS (including, Map Window & ArcGIS) and AutoCAD;
- Experience with hydrologic and hydraulic models, such as Visual OTTHYMO, SWMM and HEC Geo-RAS, would be assets and including Canadian project experience; and,
- Water quality modeling experience and knowledge of environmental database software.

Responsibilities:

Responsibilities will include these technical support duties for our growing consulting projects in Canada (and overseas) for Indigenous Peoples, Governments and Resource Industry clients:

- Apply state-of-the-art GIS-Internet decision support systems (including, in-house tools) for water resources, environmental assessment and cumulative effects projects;
- Assist with the preparation of Watershed Planning, Subwatershed Planning, Storm Water Management (SWM) Reports, Municipal Servicing and Functional Design Briefs and in support of our engineering design teams;
- Assist with site reconnaissance tasks, including scoped field surveys, Low Impact Development (LID) performance and other watershed monitoring investigations;
- Assist with the preparation of expressions of interest, proposals and final reports in support of engineering project submissions;
- Assist with the completion of SWM facility/pond, channelization and other water resources design projects through to approval;
- Assist with completion of cost estimates, specifications, and contract administration for water resources, municipal infrastructure and land development projects;
- Assist with the coordination of sub-consultants for specified projects;
- Understand Ontario's review agency and project approval requirements for land development and municipal Class Environmental Assessment projects; and,
- Assist with project presentations, including Public Information Centres, Open Houses, Municipal Committees and Municipal Councils.



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Skills:

To be successful in this role, the candidate must possess the following skillset:

- Self-motivated, highly organized individual capable of producing results and meeting timelines;
- Demonstrated written and verbal communication skills;
- Strong budgeting skills with high regard for cost control;
- Refined analytical and problem solving skills;
- Ability to establish effective working relationships with colleagues and clients;
- Ability to effectively multi-task and work in a fast paced, high change environment; and,
- Good initiative and attention to detail.

We offer an exceptional professional working environment and culture as well as a competitive salary package.

Please email your resume in confidence to greenland.resumes@grnland.com and to the attention of R. Mark Palmer, P. Eng., President / CEO. While we thank all applicants, only those contacted for an interview will be acknowledged.

The Greenland Group is committed to an inclusive, barrier-free selection process. If contacted regarding this competition, please advise the interview coordinator of accommodation measures you may require during our selection process. Information received relating to accommodation needs of applicants will be addressed confidentially. The Greenland Group supports diversity, equity and a workplace free from harassment and discrimination. Personal information contained in applications will be used for recruitment purposes and collected as per Freedom of Information (F.O.I.) And Protection of Privacy Act, 1987.