



Delta Consultants

Where Experience Makes the Difference

Mission Statement

Delta Consultants prides itself in providing sound, innovative and practical engineering design and consulting services to its Clients. For the Engineers at Delta Consultants, exercising due diligence on a daily basis is our first priority.

Profile

Delta Consultants is comprised of a group of three Civil engineering students completing their final term at Memorial University. Combined, the Engineers have a diverse work portfolio which includes Structural, Civil Works, Geotechnical and Oil & Gas engineering.

The Engineers at Delta Consultants are each self-motivated individuals yet they thrive in a team environment. This has been demonstrated time and time again over the past four years as the group has worked together on a number of different projects. Each member contributes their strengths while working efficiently and effectively to ensure a timely project delivery.



Contact:

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Our Team

Personal Experience:

- R.A.K. Engineering Consulting Engineering
 - Mechanical/Electrical Consulting
- IMTT-NTL Ltd.
 - Project Management
- Jacques Whitford Ltd.
 - Materials Testing
- Northern Geo Testing & Engineering Ltd.
 - Materials Testing
- Syncrude Canada Ltd.
 - Mine Geotechnical Division



Andrea Abbott

Throughout the course of the civil engineering program, Andrea has gained valuable experience in geotechnical and materials engineering. Andrea's organizational skills, work ethic, along with her team oriented personality, greatly impacts Delta Consultants. During previous work terms, Andrea acquired extensive knowledge of soils, asphalt, and concrete testing, as well as various earth dam analysis including slope stability, seepage, and hydraulic fracture.

Leah Barbour

Through the co-operative Civil engineering program at Memorial, Leah has acquired a vast range of experience. She has been involved in storm sewer design and modelling using GIS based programs, InfoSewer and InfoSWMM. Leah has worked on residential development design in Long Harbour, civil works design, as well as project planning and management at the St. John's Airport. She has also had experience in the field and has prepared progress reports, quantity takeoffs and cost estimates on several work terms.



Personal Experience:

- Nova Consultants Inc.
 - Civil/Structural Consulting
- City of St. John's
 - Construction Division
- City of St. John's
 - Hydrological Division
- Nova Consultants Inc.
 - Civil/Structural Consulting
- Isherwood Associates
 - Geostructural Consulting
- St. John's Intl. Airport Authority
 - Infrastructure Planning

Personal Experience:

- Dept. Of Transportation & Works
 - Materials Engineering
- Statoil Canada Ltd.
 - Reservoir Engineering
- ExxonMobil Canada East
 - Subsurface Engineering
- SBM Atlantia
 - Structural Engineering
- Imperial Oil Resources
 - Structural Engineering
 - Drilling Engineering



Allan Linegar

With experience in structural applications in the Oil & Gas Industry and extensive knowledge of Microsoft Office products, including programming in Visual Basic, Allan brings a unique skill set to the group. His experience includes 3D modelling and finite element analysis using ANSYS and SACS, developing several tools in Microsoft Excel, including a tool to aid in module transportation for the Kearl Oil Sand Project, production system modelling and sensitivity analysis for the Hibernia Gas Lift Project, and researching and performing a cost analysis on various drilling waste management strategies for development of Horn River in Northeast BC.



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Selected Project Experience

- Earth Dam Analysis : Syncrude
- Standardized Materials Testing
- Warehouse Renovation Supervision
- Hydraulic Fracture Investigation: Syncrude
- Residential Development Design: Long Harbour
- Concrete Retaining Wall Construction: Circular Rd.
- Storm Sewer System Design: Shea Heights West
- River Cross Section HEC-RAS modelling : Goulds
- Queens River East InfoSWMM ArcGIS Model
- Proposed Parking Lot Expansion: Kensington Gate
- Timber Crib Rehabilitation: Red Bay, Labrador
- Site Drainage: RNC Campus Redevelopment
- Strategic Parking Development Plan: St. John's International Airport
- Tie-back Installation: Oakville
- Majors Path Road Widening and Realignment
- NL Highway Road Smoothness Testing
- Terra Nova Integrated Production Model
- Hibernia Gas Lift Project
- Hibernia Series 660 Bolt Integrity
- Offshore Wind Turbine 3D Modelling FEA
- Semisubmersible Oil Production Platform Structural Design
- Module Transportation Analysis for Kearl Initial Development
- Drilling Waste Management Strategies for Horn River, BC



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