

OUR GOAL

The goal of Pinnacle Engineering Consultants is to provide exceptional engineering services to its clients, excelling in the areas of transportation, land development, water resources, municipal, environmental and structural engineering. We are dedicated to working with clients to provide high quality work in every project.

Pinnacle has a strong commitment to the values of corporate and social responsibility. It is of utmost importance to us to treat our clients, staff, partners, and external community with a high level of respect.



PROFESSIONAL EXPERIENCE

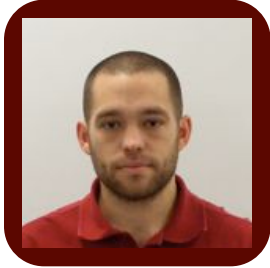
City of St. John's, Department of Engineering and Planning
City of Mount Pearl, Department of Engineering
Incortec Incorporated
Iron Ore Company of Canada
MAE Design Ltd.
Memorial University, Faculty of Engineering
Newfoundland Energy Services
Tiller Engineering Incorporated
Engineers Without Borders Canada
Brook Construction Ltd.
Froude's Construction Ltd.
Professional Network Association
Signals and Communications-Department of National Defence
SNC Lavalin, Montreal, QC - Structural Building Engineering
Government Purchasing Agency - Government of NL
Corner Brook Port Corporation, Operations Management
Public Works Government Services Canada - Government of Canada
Urban Systems, Edmonton, AB
Urban Systems, Kelowna, BC



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OUR TEAM



IAN FROUDE

BUSINESS MANAGEMENT

Much of Ian's work experience has built his skills for planning, organizing, and leading a team. Ian has had work experience across a wide spectrum, including working in municipal government, research, private contractors, and non-governmental organizations. This has left Ian with a wide range of essential skills to any business. These include leadership skills; strong communication abilities, both written and verbal; and planning and organizing in both the short and long term.

Ian's professional work experience includes:

- Design and cost estimating for a \$2.6 million water and sewer replacement for George Street, St. John's, NL. He completed a full design, cost estimate, and step-by-step plan for construction to limit disruption to business. Ian not only understands the design of this system, but also the social impacts that the project process could have.
- Assisting a Project Manager on a \$15 million construction project. Undertook planning and communication tasks to ensure consultants and site superintendents had effective and efficient communication.
- Analysis of the Leary's Brook Watershed to determine river flows due to future development in the watershed.



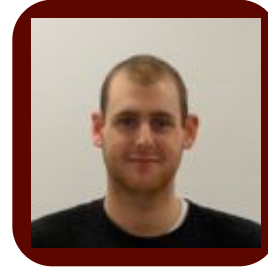
CHUN MAN

INFORMATION TECHNOLOGY AND DRAFTING

Chun has worked in many locations across Canada, including Newfoundland, Ontario, Alberta, and British Columbia. This has provided him with a wide range of experience that is essential on any project. Chun has been involved with urban and rural geometric highway design. He has experience in marine design and has been directly involved in the management of construction projects. His most recent experience, allowed him to be involved in the design of a \$42 million interchange, and a \$10 million corridor improvement project. This has given him highly refined skills in developing detailed construction drawings and in planning.

Chun's professional work experience includes:

- Completed a master transportation plan for the District of West Kelowna using ArcMAP to show critical paths through Westbank and surrounding areas.
- Developed conceptual solid timber wharf design options for the Department of Fisheries and Small Craft Harbours; Completed conditional report on the existing wharf structure at Bird Cove.
- R.A. Pollett Building - CBPC – Conceptual Layout Plan: Completed detailed electrical layout design for the Pollett facility; Conducted an EcoEnergy Retrofit feasibility study for Corner Brook Port facilities.



MATTHEW KAVANAGH

ENGINEERING DESIGN

Through the Civil Engineering program at Memorial University, Matthew has gained valuable experience in various fields of engineering including municipal, transportation, structural, environmental, construction, and project management. This has provided him with a wide variety of skills that will benefit any company, including creative thinking, organizational skills, problem solving, communication abilities, and project management and planning. Matthew maintains a strong and efficient work ethic and is a strong addition to any project.

Matthew's professional work experience includes:

- Performing structural analysis/design selection for Tiller Engineering relating to the installation and upgrade of telecommunications towers.
- Managing and organizing the selection, purchase, installation, and outfitting of a prefabricated structure for the Iron Ore Company of Canada (IOCC) to supplement core logging activities within the Carol Lake mine site.
- Managing a civil/structural audit and organized the structural upgrade of ore silo storage vessels at the Carol Lake production facility for IOCC.



MARIANNE ALACOQUE

ENGINEERING DESIGN

Marianne has a wide variety of civil consulting experience in transportation engineering, structural engineering, water resources and land development. She has worked in various cities across Canada in small, medium and huge sized engineering consulting firms. Her experience ranges from the design of single-lot rural residential septic systems to the structural analysis of load transfer system for the new Montreal Symphony Orchestra concert hall. She brings professionalism, organization, creativity and enthusiasm to the team.

Marianne's professional work experience includes:

- Modeling and analysis of sanitary sewage network in Fort Saskatchewan, AB with the goal of providing annual upgrading recommendations.
- Analysis of existing sanitary lift station in Fort Saskatchewan with pump replacement options.
- Structural steel connection design for a water desalination plant in Fouka, Algeria.
- Design of a grading and utilities plan for a commercial building lot in Edmonton.
- Preparing a stormwater drainage model for the Town of High Level, AB using GIS.
- Completing a Parking Analysis for the Town of Bonnyville Downtown Redevelopment Plan.