



NEC

NOVA ENGINEERING CONSULTANTS

Faculty of Engineering and Applied Science
Memorial University of Newfoundland
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OUR VALUES

MISSION STATEMENT

To provide engineering support to our clients with the highest standards of quality and professional integrity. We strive to deliver projects effectively, efficiently and safely with innovative solutions tailored to meet our client's needs. We aim to exceed expectations and become a leader in the consulting industry.

COMPANY PROFILE

Nova Engineering Consultants (NEC) is a team of four engineering students, who collectively have a wide array of knowledge in the civil engineering field, gathered through diversified work experiences. Our team of consulting engineers has been involved with many projects located across Newfoundland and Labrador and Northern Alberta. These involvements have lead to proficiency in a variety of areas including, heavy civil construction, road building, wharf construction, reinforced concrete construction, bridge rehabilitation, piling, structural steel and water and sewer networks.

NEC provides a range of services such as project management, estimating, design, production and cost tracking, quality assurance and control, scheduling, field inspections and investigations and system efficiency optimization.

PROJECT INVOLVEMENT

- **Trans Labrador Highway Upgrading and Paving**
- **Holyrood Marina and Breakwater Upgrade**
- **Conception Bay South Water and Sewer Installation**
- **St. John's Harbour Interceptor Sewer Project**
- **Rattling Brook Big Pond Pumphouse**
- **Syncrude Aurora Mine Reclamation**
- **Albian Sands Brine Containment Pond Construction**
- **Iron Ore Company of Canada Pellet Plant Roof Remediation**
- **Clarenville Inn Renovation**
- **Shell Jackpine Khahago Creek Diversion**
- **Canadian Natural Resources Limited Tailings Dyke Construction**
- **Shell Jackpine Thickened Tailings Drying Phase I and II**
- **Albian Sands Combined Booster Pumphouse Piling and Foundation**

"Delivering projects effectively, efficiently and safely"

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OUR TEAM

Jonathan Alexander



Jonathan Alexander is a civil engineering student at Memorial University in his final term. Over his work terms he has gained valuable experience in project management, scheduling and contractor supervision. In addition Jon worked with the Newfoundland federal government designing and maintaining wharf structures. He also has extensive knowledge of municipal services including road building and sanitary sewer and water systems.

Jonathan's main areas of interest are project design and management.

Stephen Nicholas



Stephen is currently a senior civil engineering student at Memorial University. His primary area of experience is with the Heavy Construction and Mining Industry in Alberta. Stephen has spent much time in the field coordinating major earthworks projects such as a 102 acre tailings drying zone, heavy hauler road construction, and earthworks material extraction and stockpiling. Stephen has much experience with production and budget tracking to ensure efficient equipment usage and quality control. In addition, Stephen has also spent time working for the Newfoundland Provincial government inspecting bridge infrastructure across the province for damage and initiating rehabilitation projects.

Stephen's interests include mining and geotechnical civil works, as well as structural design and construction.

OUR TEAM

Andrew Pike



Andrew is a Term 8 civil engineering student set to graduate in April. Through six work terms Andrew has obtained a great deal of experience in the construction industry. Working for contractors as well as consultants has provided him with insight to the expectations of the client on a construction project. The bulk of Andrew's experience has been in a project management role in production based industries and he has become familiar with the demands of efficiency, quality and safety placed on projects. He has worked on a variety of projects throughout his career including construction of a 20 km long tailings dyke for Canadian Natural Resources Limited, upgrading of the Trans Labrador Highway and St. John's Harbour Interceptor Sewer project.

Andrew's main fields of interest are geotechnical engineering and heavy civil construction.

Andre Wells



Andre is a Term 8 civil engineering student at Memorial University. He has experience in both field engineering and project management roles, giving him a keen eye for project constructability and risk analysis, as well as an understanding of the importance of efficient and effective communications and safe work practices. His experiences in the civil construction industry have enabled him to gain knowledge in road building, earthworks construction, cast-in-place and pre-cast reinforced concrete construction, HDPE pipe fusion, water distribution and drainage piping, and structural steel remediation. In addition he has experience in geotechnical engineering, in particular, soils testing and quality assurance of aggregates for road building.

Andre's interests lie mainly in heavy civil construction and piping installation.