



# SPARTAN ENGINEERING

*Your Challenge is our Ambition*



## Vision

SPARTAN ENGINEERING's vision is to expand and strengthen our working relationships within the engineering community, to enhance and develop new skills and abilities, and utilize innovative and evolving technologies to respond to the changing needs of our clients.

## About Us

SPARTAN ENGINEERING is comprised of a team of individuals with a diverse background of engineering experience allowing us to provide innovative solutions of exceptional quality.

We strive to execute an open approach towards meeting the needs of our clients by listening to and respecting their objectives.

We provide the following engineering services:

- Project Management
- Structural
- Heavy Civil
- Oil and Gas
- Environmental
- Hydrotechnical
- Geotechnical

## Core Values

### SAFETY

Our company aims to maintain high ethical standards and obey all applicable industry regulations to

### INTEGRITY

We strive on employing the highest ethical standards, demonstrating honesty and fairness in all aspects of our company and work.

### ADAPTIBILITY

We possess the ability to adapt to challenges and obstacles while maintaining a high level of professionalism and quality of work.





Safety

Integrity

Adaptability

### **Software Capabilities**

TS Tower

AutoCAD/AutoDesk

STADD Pro.

S Frame

Arc GIS

HEC-RAS/HMS

Cost Works

Ansys

Land Desktop

NMS

InfoSewer

### **Industry Codes and Standards**

National Building Code of Canada

National Fire Code of Canada

National Plumbing Code of Canada

National Electrical Code of Canada

CAN/CSA A23.3-04

CSIC-ICCA Handbook of Steel Construction  
S16

CSA S37-01 Antenna, Towers, and Antenna-  
Supporting Structures



## Past Experience

- Olympic Construction Ltd.
- Pyramid Construction Ltd.
- Karwood Contracting Ltd.
- Kavanagh & Associates
- Tiller Engineering Inc.
- City of St. John's Construction Division/Hydrological Division
- Newfoundland and Labrador Housing Incorporated
- Nalcor Lower Churchill Project
- Oceaneering Canada Ltd.
- ExxonMobil Canada Ltd.
- Husky Energy
- CNLOPB
- Hydro One



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## Team Members



**Nick Mallam**

- 11 years of experience in the construction industry
- Able to perform structural layout and vertical and horizontal control
- Capable of coordinating structural, architectural, electrical and mechanical drawings with specifications and apply them to the construction process
- Experience as project superintendent has provided exceptional leadership qualities
- Possess a strong hands on point of view from a technical side of the construction process
- Experience working with local construction companies provides a good background in the civil engineering field



**Melissa A. Martin, Architectural Engineering Technologist**

- Able to produce full working construction drawings for Civil subdivisions, including storm and sewer plans, profiles and details
- Experience in calculating watersheds and capacities of storm sewer systems
- Previous experience in design and drafting of parking lot layouts, retaining walls, water retention tanks and accessibility solutions for existing buildings
- Able to perform field inspections and structural investigations
- Experience in producing specifications and cost estimates
- Assisted in temporary bridge design, including hydraulic calculations and production of over 200 cross sections of the river to be crossed



**Laura Alexander**

- Proficient in modeling and designing storm and sanitary sewer systems
- Experience in production of major street reconstruction designs utilizing city specifications
- Experience in collecting, monitoring, and analyzing flow meter data
- Completed major Hibernia cost analysis and presented to management
- Wrote several operational procedures and gained approval for offshore use



**Melissa S. Martin**

- Areas of experience are focused in the civil design and offshore oil and gas industries
- Familiarity in project management and estimates of overall construction costs
- Knowledge in civil design work including underground drainage, spill containment, oil water separation systems, rough and finish grading, fence and road design
- Completed a North Amethyst field review and reservoir management document which will be utilized throughout Husky Energy to guide field development and operating methodology
- Strong interpersonal, organizational, and teamwork skills



## Contact Information

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