

ENGINEER. CONSTRUCT. COMPLETE.

ONEC

Project Delivery Services
MECHANICAL & STRUCTURAL
ELECTRICAL & INSTRUMENTATION
SCAFFOLD
INSULATION
GEOMATICS & SURVEY





TRUST IT IN OUR HANDS

From concept to commissioning, ONEC’s diverse and talented staff will bring your project to life safely, efficiently, on budget, and on time.



CONTENT



02	About Us	18	Our Projects - Mechanical & Structural
04	Who We Are	20	Our Projects - Electrical & Instrumentation & Scaffold
06	Our Services	22	Our Projects - Insulation & Geomatics & Survey
08	Type of Services - Mechanical & Structural		
10	Type of Services - Electrical & Instrumentation		
12	Type of Services - Scaffold		
14	Type of Services - Insulation		
16	Types of Services - Geomatics & Survey		

OUR PRIORITY IS SAFETY ALWAYS

A successful project is first a safe project.

ONEC is committed to protecting the health and well-being of our employees and partners. We provide each of our employees with comprehensive safety training throughout their careers. Our proactive approach to safety is promoted through employee participation, at all levels.

We believe a safe working environment is about much more than ticking boxes – it's about identifying and mitigating hazards and creating a productive and happy workplace that enables us to serve you better.

OUR STORY ... SO FAR

ONEC is a mid-sized project delivery company providing exceptional EPC+M (Engineering, Procurement, Construction, and Maintenance) services for over 20 years.

We provide our clients with multidisciplinary project services including project & construction management, engineering & design, procurement & logistics, geomatics & survey, fabrication & construction, mechanical & electrical installation, and scaffolding & insulation.

We are the only firm in our industry and size range that offers this collective expertise under one roof.

From design through to build, our combined expertise reduces the potential for error and ensures our clients' projects are completed efficiently and cost-effectively.

Because of our company's size, clients get to know our team and always work with the same people, resulting in stronger working relationships and efficiency. We are agile in our approach to project delivery because we are able to pivot quickly and adjust our standard processes to deliver seamless, innovative solutions to any project's unique challenges.

OUR MARKETS

We offer clients in various markets a broad range of services to complete their industrial, commercial, capital, and maintenance projects – from start to finish.



Power & Utilities



Commercial,
Industrial, Mining &
Metals



Oil & Gas



Renewables,
Agriculture, &
Chemicals

OUR PEOPLE ARE OUR SUCCESS

WHO WE ARE

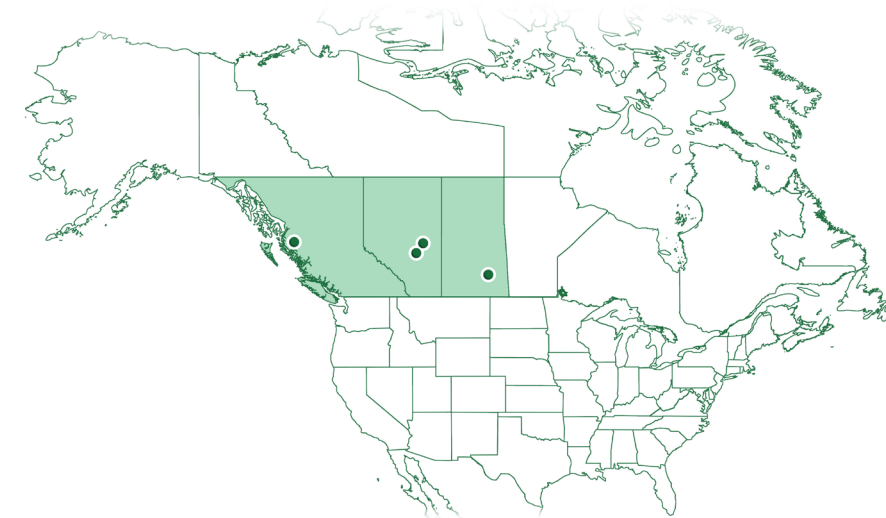
ONEC's highly qualified leadership team applies an entrepreneurial and hands-on approach to everything we do. We combine decades of experience in industrial and commercial projects with extensive construction and engineering expertise to deliver results that surpass expectations.



OUR RANGE

ONEC has multiple locations to better meet the needs of clients.

Relationships matter. At ONEC, we believe in local leadership and Indigenous involvement, and we engage top talent from the communities we work in. We understand that local knowledge and presence are key to not only our overall business success but the economic success of the regions we work in. Our objective is to succeed along with the communities in which we work by offering Indigenous individuals the opportunity to envisage a career path within ONEC. It's all part of our commitment to shared success.



OUR LOCATIONS

📍 Edmonton, AB

📍 Fort Qu'Appelle, SK

📍 Terrace, BC

📍 Sturgeon County, AB



PROJECT DELIVERY

PROVIDING THE PEACE OF MIND
CLIENTS DESERVE

At ONEC, we listen to our clients and take the time to really understand their project needs and requirements. We'll provide customized solutions to help you successfully achieve your project goals in a way that is both timely and cost-effective.

When it comes to your complex industrial or commercial project, we know that time is precious — which is why responsiveness is a core part of our overall service offering. We'll never leave you waiting for answers. Our dedicated team of professionals are always on hand to respond to any questions or concerns you have along the way.

OUR SERVICES

ONEC offers a diverse range of mechanical & structural construction, electrical & instrumentation construction, scaffolding, insulation, and geomatics & survey services.



Mechanical & Structural

We provide our clients with a diverse range of multidisciplinary mechanical and structural construction, assembly, installation, and specialized services. Our business success is driven by our ability to develop strong relationships with our clients by understanding their needs and requirements.

Electrical & Instrumentation

ONEC is ready to meet our clients' industrial and commercial needs for new construction, upgrades, and maintenance. Our highly trained team of professionals can implement any small to medium-sized project.

Scaffold

Our scaffolding experts can safely and efficiently plan, erect, engineer, and dismantle complex scaffold structures to suit your project requirements. We follow only the highest in industry safety standards, codes, and practices at all times while ensuring we do whatever we can to help minimize downtime costs associated with shutdowns and maintenance.

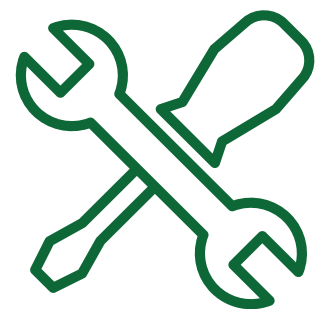
Insulation

ONEC is an open shop insulation provider well versed in diverse industries. Our broad range of expertise means we can anticipate problems before they arise and provide solutions to keep your project on track.

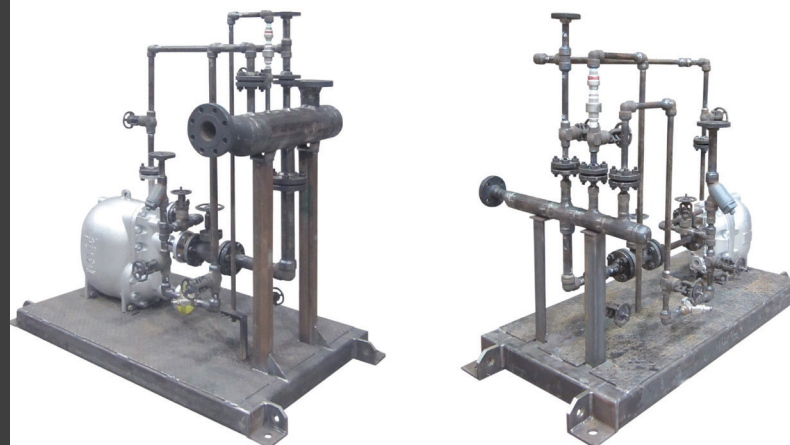
Geomatics & Survey

ONEC is an integrated geomatics & survey solutions provider offering an array of scanning and survey services through a combination of new technology and conventional methodology.

MECHANICAL & STRUCTURAL



Our team is dedicated to ensuring your projects are built safely and meet industry standards.



When it comes to delivering mechanical & structural construction, assembly, and installation services, ONEC gets the job done. We also design and construct customized stand-alone products for specific industry needs.

1

Scope of Services

- Shop fabrication including module skid buildings, instrument buildings, etc.
- Field construction including commissioning, installations, and vessel/boiler repairs
- Capital projects including assessments, detailed Execution Plans, and project lifecycle management
- General maintenance including troubleshooting, assemblies, repairs/replacements, emergency repair requests, and operation of maintenance equipment
- Shutdowns/turnarounds including schedule development, material procurement, and manpower support
- Construction management including risk management, scheduling, material procurement, and Safety & QA support

FACILITIES & CAPACITY

ONEC has the facilities and capacity necessary to execute your projects.

Edmonton Shop:

- 4500 sq. ft. of indoor fabrication space
- C/W dual 10 ton indoor/outdoor overhead cranes
- 0.5 acres of secure outdoor space for laydown/module fabrication including 1350 sq. ft. storage tent

Sturgeon County Shop:

- 20,000 sq. ft. indoor heated fabrication space
- C/W dual 7.5 ton indoor/outdoor overhead cranes
- 5 jib cranes
- 11 welding pods

2

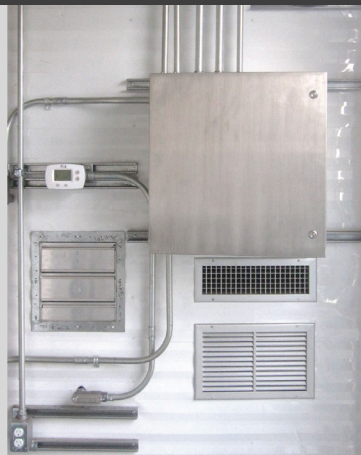
Custom Manufacturing & Products

- Modular potable water treatment plants
- ANSI compliant safety shower systems
- Hydrogen fuel cell module buildings
- Custom instrument panels
- Custom electrical panels
- Custom analyzer shelters
- Custom skids

ELECTRICAL & INSTRUMENTATION



We're committed to providing our clients with quality services while meeting our primary goals of safety and economic balance.



As a one-stop-shop project solutions provider, we understand how construction works, and we recognize the significant savings in construction that can be realized with our integrated approach.

1 Industrial Construction & Maintenance

- Green & brownfield construction
- Switchgear/MCC installations & replacements
- New DCS/PLC installations & upgrades
- Solar & renewable energy solutions
- Industrial HVAC control systems
- Fiber optics & networking wiring installations
- Camera systems (CCTV) for security and process surveillance
- Fire alarms & card access systems
- Design & drafting
- Industrial electrical inspections & project reporting

2 Commercial Electrical Contracting & Maintenance

- New construction & renovations
- Electrical service upgrades
- Solar and renewable energy systems
- Building and lighting maintenance
- Commercial HVAC, lighting, and building control systems
- Fiber optics & network wiring installations
- Security surveillance systems (CCTV)
- Fire alarm & card access systems
- Electrical energy audits & solutions

3 Complete Industrial Building Solutions

- Switchgear & MCC buildings
- Termination & marshalling buildings
- Heat trace control buildings
- Analyzer shelters & control buildings
- Radio tower buildings
- Pump skids & building
- Solar packaged systems

4 Custom Control Panel Fabrication

- PLC & control system cabinets
- Termination & marshalling cabinets
- Temperature control & monitoring
- HVAC control cabinets
- Lighting cabinets
- Solar & renewable energy charging systems
- Custom junction box & enclosure builds

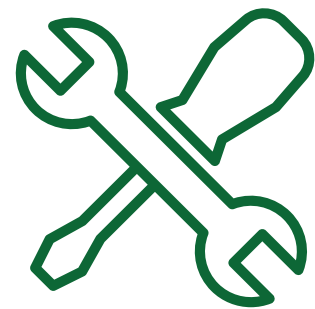
5 Safety & Quality

- Electrical & instrumentation QA/QC program
- Full safety program

6 Additional Services

- Drafting, in-tools, & special databasing

SCAFFOLD



We're there when you need us.

1 Erect, Supply, Dismantle, & Engineer

ONEC can safely and efficiently plan, erect, engineer, and dismantle complex scaffolding structures to suit your project requirements.

2 Access Solutions & Commercial Stair Towers

Our team can provide practical and safe access solutions and commercial stair towers.

3 3D Scaffold Planning Tools & Hoarding/Containment

Our scaffold experts utilize cutting edge technology to effectively plan and manage scaffolding during the pre-construction and construction project phases.

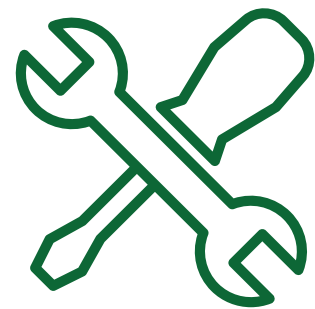
We also supply hoarding and containment.

WE PUT SAFETY FIRST

At ONEC, safety comes first.

We'll only assemble scaffolding in a safely managed environment where regular load and assembly checks are performed to ensure all platforms are sturdy and reliable.

INSULATION



We pride ourselves on adhering to client needs, meeting budgets and schedules, and the safe performance of our teams.

Our seasoned insulation professionals have the knowledge and experience required to ensure your projects are executed safely and to the highest possible standard.

1

Scope of Services

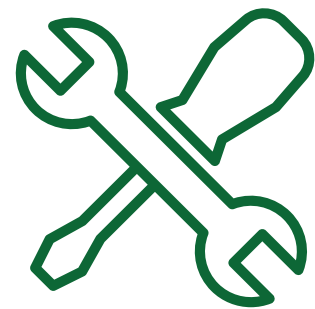
- Thermal industrial insulation supply & install
- Cryogenic insulation supply & install
- Piping, vessel, tower, and exchanger insulation systems
- Glycol heat tracing supply & installation
- Professional tank insulation systems
- Removable soft cover insulation manufactured in house
- Utilidor system insulation & fabrication
- Metal building supply and installation & roof repair
- Abatement service management
- Coatings service management
- Marine-grade insulation supply & installations
- Erection & supply of green-house agricultural systems

2

Areas of Expertise

- Large scale maintenance & turnarounds
- Project construction
- Module fabrication
- Emergency services
- Corrosion detection & remediation
- Thermal industrial insulation supply & install
- Cryogenic insulation supply & install
- Piping, vessel, tower, and exchanger insulation systems
- Glycol heat tracing supply & installation

GEOMATICS & SURVEY



We leverage experience, reputation, and a commitment to a higher standard of excellence to deliver a common sense experience that clients can count on.



Our team recognizes that life and business are all about the people. We aim to have a professional attitude and to lead by example in everything we do. We work as a team for your success and ours.

1 Geomatics

We offer a complete suite of services including UAV data acquisition, GIS mapping and data management, 3D scanning, point cloud manipulation, and orthophoto generation.

2 Geospatial

Our linear infrastructure team is made up of dedicated and experienced project managers, field staff, and technical support staff capable of delivering not only a project's survey and plan requirements, but additional services including GIS mapping and data management, UAV data acquisition, 3D scanning, orthophoto generation, and mobile map applications.

3 Geotechnical

At ONEC, we offer geotechnical consulting and material testing services designed to ensure the complete and successful delivery of your projects.

ENHANCED 3D MODELING & PROJECT INTEGRATION

It's more than just a pretty picture. There are countless benefits to ONEC's unique approach to 3D modeling and project integration. The focus is to represent reality and create an immersive experience for our clients. Our approach and methods are tried, tested, and proven to be effective.

Advantages:

- Life-like 3D modeling and rendering augments project understanding
- 3D laser scanning integration promotes unparalleled design accuracy
- Increased FEED and detailed design accuracy
- Augmented clash detection using true parametric data
- Ability to generate integrated project scheduling
- Project constructability assurance through model reviews
- Integrated graphics for Construction Work Packages
- Model availability for site personnel to reference

ONEC AND TRIMBLE

ONEC offers our clients innovative technologies to make the complex simple by starting with the end in mind.

Our partnership with Trimble allows you to see things that you can't see – hidden infrastructure and your future project in true life scale – in the existing surroundings.

Use your project's 3D model and location coordinates with Trimble's state-of-the-art augmented reality platform to see a real-time visualization on site!

ONEC's team of experts can:

- ✓ Create a 3D model based on whatever documents or files you have available
- ✓ Instruct you on how to upload a 3D model to Trimble's SiteVision™ so that you can visualize your final product
- ✓ Provide field support for the execution phase of your project

OUR PROJECTS

MECHANICAL & STRUCTURAL



01 DISTRIBUTED GENERATION

A client installed five 1.5MW Jenbacher generators at an existing gas plant. The project's two primary goals were to utilize waste gas and offset environmental penalties for the host gas supplier, and to generate revenue by feeding power back to the grid. ONEC's responsibility on this project was Engineering, Procurement, Construction, and Commissioning. ONEC completed this project ahead of schedule and on budget.



02 TURNAROUND

ONEC executed a shutdown at a client's facility. ONEC's scope of work included the piping prefabrication and all other associated general turnaround work.



03 MODULAR WATER TREATMENT PLANTS

ONEC provided design and build services for five potable water treatment plants for the Northwest Territories. The treatment equipment was provided by Corix Water Systems and integrated by our team into five fully contained modules rated for the northern climates. In addition to the treatment equipment, each plant had backup power generation, flocculation air (compressed), water storage tanks, waste storage tanks, truck loading, and full automation to allow for remote monitoring.



04 COAL-TO-GAS CONVERSION

ONEC performed a coal-to-gas conversion involving a new natural gas supply, installation of main gas elevation, ignitor, and burner valve skids, new fuel gas and vent piping, and other related equipment required to add capability for the boiler to operate on natural gas. ONEC provided demolition, design, installation, modifications, fabrication, determination & retermination, and commissioning support services.

OUR PROJECTS

ELECTRICAL & INSTRUMENTATION & SCAFFOLD



05 TOLUENE TANK
DESIGN BUILD

ONEC designed, fabricated, and installed a skid-mounted toluene storage tank complete with instrumentation. The tank was equipped with a level switch for high-level alarms, a pressure switch for containment vacuum monitoring, and a gas detector. Strobes and a horn were installed to provide visual and audible alarms during high-level and gas detection events. Instruments were wired to a junction box mounted on the skid. ONEC completed the on-skid wiring, bonding, and assisted the site with final terminations and commissioning activities.



06 CHEMICAL
INJECTION SKID

ONEC was awarded the design and build of a self-contained chemical injection building. This package included chemical storage, secondary containment, injection pumps, metering systems, and full automation with self-contained power distribution and control systems.



07 SCAFFOLDING

ONEC provided the planning, installation, and dismantling of scaffolding for access on a project. ONEC's scope was completed on time and on budget.



08 COMPRESSOR
EXPANSION
SCAFFOLDING

ONEC provided the planning, installation, and dismantling of scaffolding for access on a Compressor Expansion project. ONEC's scope was completed on time and on budget.

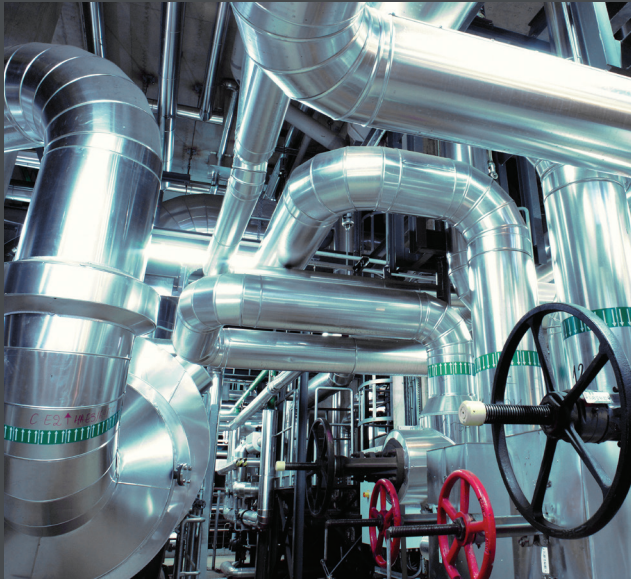
OUR PROJECTS

INSULATION & SURVEY & GEOMATICS



09 INSULATION REPLACEMENT

ONEC provided an estimation, procurement services, asbestos removal, equipment encapsulation, new installation, and QC turnover services for the insulation and cladding of a boiler steam drum and process piping.



10 EXPANSION

ONEC provided an estimation, procurement services, equipment, new installation, and QC turnover services for the insulation and cladding as part of an expansion project.



11 SURVEYING PETROCHEMICAL COMPLEX

ONEC provided pre-construction surveys, construction layout surveys, and construction as-built surveys to support the civil earthworks construction of a petrochemical complex which produces recyclable plastics from propane.



12 SOLAR PLANTS

ONEC provided survey services including control surveys, layouts, and as-built documentation to support the construction of the two large-scale solar farms.



HAVE A PROJECT IN MIND?

Contact Us Today

Email Us
info@onecgroup.com



Find Us
3821 – 78 Ave, Edmonton, AB, T6B 3N8

Call Us
+1 (780) 440-0400

Website
www.onecgroup.com