



GEMITECH

ELECTROTECHNICAL

POWER ENGINEERING
AND ELECTRICAL SERVICES



A subsidiary of



SGE

Société
Générale
d'Électrotechnique

OUR GOAL: CONSOLIDATE OUR LEADERSHIP IN THE POWER ENGINEERING AND FIELD SERVICES INDUSTRY



CANADA-WIDE



24-HOUR EMERGENCY SERVICE
Quebec City 418 841-1010
Montreal 450 670-1010



ISO 9001 CERTIFIED
COMPANY



EXCELLENCE IN ELECTRICAL ENGINEERING



Since its founding in 1990, Gemitech has emerged as a leader in medium and high voltage industrial systems in Quebec.

With our advanced expertise and an experienced team, we set the standard for electrical engineering services, serving leading private and public sector organizations in the energy sector (hydroelectric plants, wind and solar farms) and heavy industry (metallurgy, petrochemicals, pulp and paper, manufacturing, and mining). Our solid reputation has also opened the door to projects across Canada, in the United States, and abroad.

OUR COMMITMENT, OUR EXPERTISE



TOP EXPERTS IN THE FIELD

Optimal electrical system management is critical. When working with complex electrical devices, mistakes can have serious consequences, so choosing highly qualified experts is paramount. Our professionals are recognized for their meticulous approach, reliability, knowledge, and expertise.



A BROAD SKILL SET

At Gemitech, our greatest asset is our multidisciplinary team of engineers and technicians. Our team allows us to offer a wide range of solutions in all areas of electrical engineering and meet the diverse and complex needs of our clients.



CUSTOMIZED SOLUTIONS

At Gemitech, we design and develop customized solutions for our clients—on their terms and on their schedule. Professionalism is our hallmark. We control and monitor every step of your project to ensure it's managed efficiently.

OUR VALUES



HEALTH, SAFETY, AND THE ENVIRONMENT

Ensuring the health and safety of our employees and customers is a priority that guides every decision we make.



FOLLOWING THROUGH ON OUR COMMITMENTS

Each and every member of the Gemitech team understands the importance of meeting our commitments as an organization. A drive to succeed and determination to face whatever comes our way are what define us.



OUTSTANDING SERVICE

Reliability and attention to detail are the values that underpin our primary goal of building and maintaining long-term business relationships with our customers.



GEMITECH ENGINEERING

Gemitech specializes in industrial electrical systems engineering. With extensive experience in the field, our team is recognized today as one of the industry's most efficient. We can provide an accurate assessment of the state of existing facilities or facilities planned as part of large-scale projects. Using advanced calculation tools, our specialists draw up detailed plans based on precise studies and analyses.



ENGINEERING SERVICES

Our skilled engineers draw on a wealth of experience in a range of industrial projects to provide clients with sound advice.

- Prefeasibility and technical-economic feasibility studies
- Technical audits
- Profitability analyses
- Master plans
- Facilities modernization and upgrade programs

SPECIALIZED STUDIES

Gemitech can provide an accurate assessment of the state of existing facilities or facilities planned as part of large-scale projects. Using advanced calculation tools, our specialists complete comprehensive studies and analyses to draw up detailed plans.

- Integration with public utilities
- Protection coordination
- Short-circuit
- Arc flash hazards
- Power flow
- Network stability
- Harmonics
- Reactive compensation
- Power quality
- Motor startup
- Voltage drops
- Flickering
- Grounding, step and touch voltage
- Equipment failure analysis
- Utilities standards compliance

DESIGN

Gemitech delivers turnkey solutions, from project design to completion. Our services are tailored to meet the specific needs of our customers.

- Plan and specification preparation
- Electrical substation design
- Overhead and underground power line design
- Grounding system design
- Protective relay setting and programming
- Maintenance programs
- Equipment upgrades
- Worksite supervision



GEMITECH SERVICES

Gemitech sets the industry standard for electrical engineering services. When human safety, plant performance, and energy costs are at stake, we're the partner you can trust. Our professionals perform tests and measurements at the commissioning stage and help maintain and repair electrical equipment. Whether you're managing a planned project or dealing with an unexpected emergency, we're your guarantee of quality, efficiency, and safety.



ELECTRICAL FIELD SERVICES

Over the years, Gemitech has acquired unique expertise in commissioning large-scale projects, mostly in Quebec but also elsewhere in North America and in Europe. When it comes to low, medium, and high voltage substations, we have the experience and equipment to meet your needs. Our testing procedures meet IEEE, CSA, IEC, and NETA standards as well as all customer requirements.

COMMISSIONING AND MAINTENANCE

We serve all types of electrical facilities and energy complexes in the industrial, institutional, and commercial sectors.

EQUIPMENT TESTS AND MEASUREMENTS

- Liquid-filled power transformers
- Dry type transformers
- Low, medium, and high voltage circuit breakers
- Voltage and current transformers
- Low, medium, and high voltage switches
- Surge arresters
- Bushings and insulators
- Protection relays
- Instruments
- Cables (fault location, partial discharges, dielectric losses, tan delta)
- Grounding (continuity, step and touch voltage)
- Capacitors
- Inductance
- Motor control center
- Starters
- Motors
- Generators



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