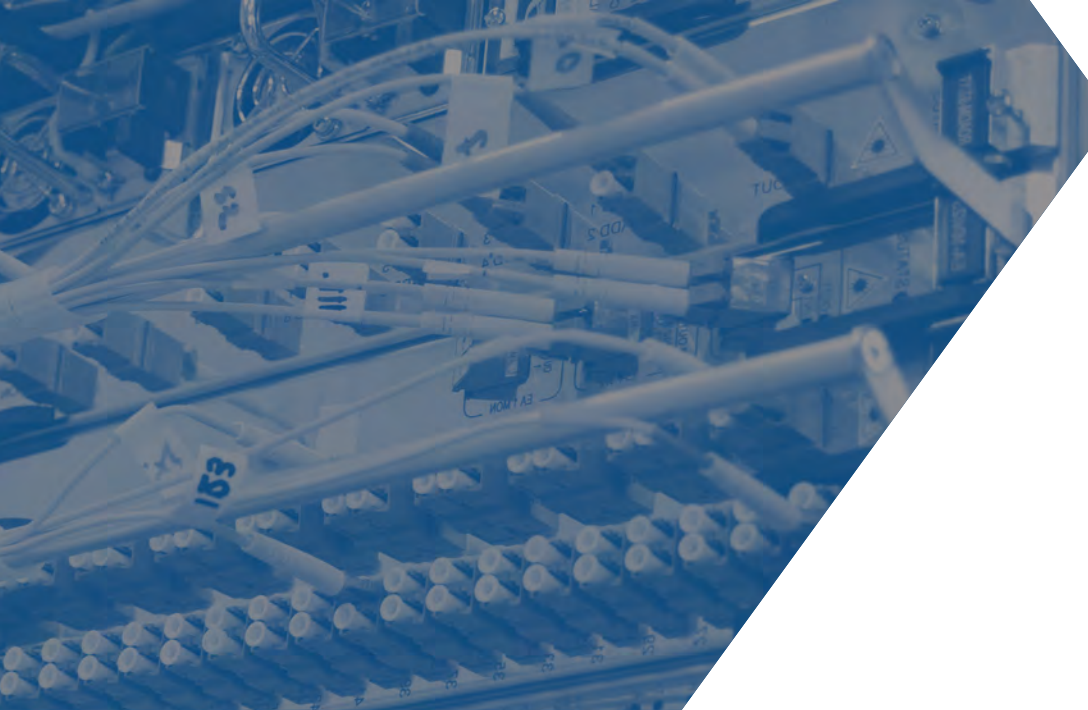




engineering & construction experts in data centres

Your Northern Data Centre Solution



Building Data Centres in Northern Canada

Reliable, Resilient, and Ready for the Future

At TCA Mansour, we specialize in engineering and constructing state-of-the-art Data Centres in Northern Canada. With over 46 years of engineering expertise and 30 years of construction experience, we deliver custom-built, high performance Data Centres designed to withstand extreme conditions while meeting the highest industry standards.



Northern Climate Construction

Overcoming Challenges with Innovation

Building a Data Centre in Northern Canada requires specialized expertise. Harsh weather, remote locations, and logistical constraints demand innovative construction techniques and robust infrastructure solutions. At TCAMansour, we have the experience, resources, and technology to tackle these challenges head-on, ensuring that your Data Centre remains operational and efficient year-round.

Our unique approach integrates cutting-edge engineering and construction expertise with a specialized delivery system, allowing us to adapt solutions based on each client's specific needs. Whether you're developing a new Data Centre, upgrading existing infrastructure, or implementing energy-efficient systems, our team ensures seamless execution, scalability, and long-term reliability.



Experience You Can Trust

Our extensive network of trusted industry partners and suppliers allows us to streamline procurement, optimize costs, and accelerate project timelines. Whether you're building a hyperscale Data Centre or upgrading an existing facility, TCAMansour has the expertise and resources to make it happen.



Why TCAMansour

Integrated Engineering & Construction

Combining both services in-house ensures seamless communication, efficient project management, and cost savings.

Cold Climate Expertise

We specialize in remote and Arctic builds, ensuring optimal energy efficiency and durability in extreme weather conditions.

Cutting-Edge Technology

Our future-proof Data Centres are designed with scalability, redundancy, and sustainability in mind.

Proven Track Record

With decades of industry experience, our team has the expertise and connections to deliver on time and within budget.

End-to-End Solutions

From initial design and planning to final installation and commissioning, we provide a streamlined, stress-free experience for our clients.



Our Services

Custom Data Centre Design

Scalable, high-efficiency layouts optimized for performance and reliability.

Full-Service Construction & Installation

Turnkey solutions for new builds, upgrades, and renovations.

Project Management

Expert oversight from concept to completion, ensuring seamless execution.

Sustainable Engineering

Energy-efficient designs that reduce operational costs and environmental impact.

Security & Compliance

Advanced infrastructure that meets industry regulations and cybersecurity standards.

Our Leadership Team

At TCAMansour, our leadership is built on decades of expertise in engineering, construction, and Data Centre development. With a strong foundation in innovation, project management, and technical excellence, we deliver high-performance, resilient Data Centres in some of the world's most challenging environments.

Sean Ebbesen

President

With over 30 years of experience in the construction industry, Sean Ebbesen has overseen complex infrastructure projects spanning more than 100,000 square feet. As an Honours Construction Engineering Technologist, Sean combines his deep technical knowledge with proven leadership and management skills, ensuring that every project meets the highest quality standards.

Sean is deeply committed to advancing Data Centre development in Northern Canada, recognizing its potential to strengthen the economy and improve community resilience. With technology's rapid evolution, he believes that Data Centres are not just essential infrastructure but a foundation for future growth. His hands-on approach, meticulous attention to detail, and customer-focused mindset make him a driving force behind TCAMansour's success.

Moe Mansour

Chief Engineer

Moe Mansour is a renowned mechanical engineer with over 40 years of industry experience. Holding a Bachelor of Science in Mechanical Engineering, he was instrumental in establishing the first federal government Data Centre in Ottawa, setting the stage for modern high-security, high-efficiency infrastructure.

Moe's expertise spans thousands of projects across multiple sectors, including Healthcare, Hospitality, Education, Office Spaces, Retail, High-Rise, and Industrial. His contributions extend beyond engineering excellence—he played a pivotal role in restoring and reopening all 16 schools in the Fort McMurray Public School Division after the devastating May 2016 wildfires, ensuring students could safely return to learning environments.

A registered member of the Association of Professional Engineers of Alberta and Ontario, Moe's technical mastery, problem-solving skills, and dedication to innovation make him an indispensable part of TCAMansour's mission to deliver world-class Data Centre solutions.



Our Commitment To Excellence

Core Values

Integrity

Transparent, ethical, and client-focused.

Innovation

Cutting-edge solutions for next-generation Data Centres.

Excellence

Uncompromising standards in engineering and construction.

Sustainability

Environmentally responsible practices for energy-efficient infrastructure.

Customer Focus

Prioritizing your needs to exceed expectations.

Collaboration

Strong partnerships for seamless project execution.

Our Mission

To engineer and construct world-class Data Centres that enable businesses to thrive in the digital era, emphasizing sustainability, security, and innovation.

Our Vision

To be a global leader in next-generation Data Centre solutions, setting new industry benchmarks for efficiency, security, and environmental responsibility.





Privacy & Security

Protecting What Matters Most

At TCAMansour, we understand that privacy and data security are critical priorities in every Data Centre project. Our team is committed to upholding the highest standards of confidentiality, security, and regulatory compliance to protect your sensitive information throughout the design, construction, and commissioning process.

Confidentiality First

We work with discretion and professionalism, ensuring that your project details remain strictly confidential.

Compliance & Best Practices

Our solutions align with industry-leading security frameworks, regulatory requirements, and data protection policies.

Secure Infrastructure

We implement robust security measures in every aspect of Data Centre design and construction, helping safeguard against physical and cyber threats.

Trusted Partnerships

We collaborate with reliable vendors and stakeholders, ensuring that every component meets stringent security and privacy standards.

Whether you're building a high-security Data Centre or upgrading critical infrastructure, TCAMansour is your trusted partner in delivering solutions that prioritize security, integrity, and discretion. Whether you need a new Data Centre, an upgrade, or a full-scale renovation, TCAMansour is the trusted partner you need.

LET'S BUILD THE FUTURE TOGETHER

Get in touch today for a consultation!



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