

Tower Engineering



Founded in 1967 and headquartered in Montreal, Quebec, Telecon is Canada's leading telecommunications network infrastructure services provider, leveraging its national presence, network of 3,000 professionals, client relationships and 50-year history to offer industry-leading design, infrastructure and connectivity solutions to telecommunications companies nationwide.

Resources

An unparalleled national footprint and a large, proficient and multidisciplinary team.

Know-how

Expertise in design, infrastructure and connectivity services for wired and wireless telecommunications networks.

Adaptability

A comprehensive suite of telecommunications network deployment services to suit projects of all sizes and complexity.

Client focus

Well-established and long-standing relationships with Canada's key telecommunications providers.

Trust

Committed to successfully meeting its clients' needs safely, on time and on budget.

Excellence

Recognized for its reliability, efficiency and high-quality delivery of telecommunications network deployment services.

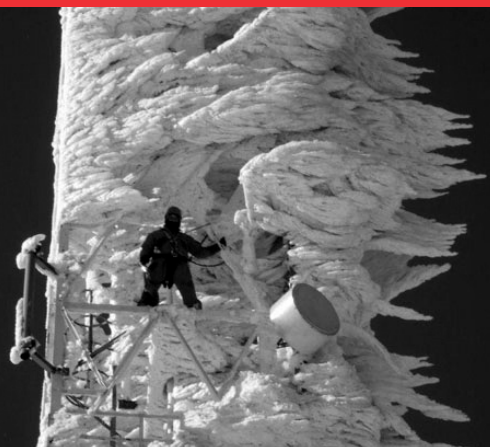
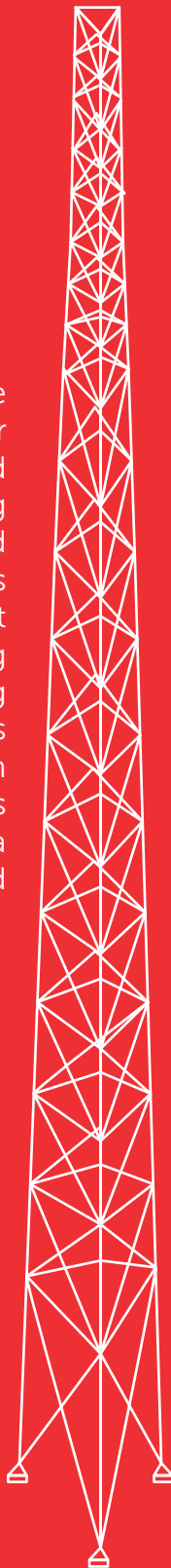
Cutting-Edge Expertise

New technologies and consumer habits evolve constantly, generating a growing demand for faster communication speeds, increased data capacity and richer mobile connectivity. With its group of engineering professionals, experienced, certified and well-qualified employees, Telecon's Tower Engineering offers complete services and solutions, including project management, design, analysis, inspection and drafting services. Over the years, the team has built a strong reputation on quality, performance and mastery in its line of business by supporting its clients through numerous wireless tower and telecommunications networks set up, upgrades and construction. We have a significant archive of tower information built and modified in last 60 years.

Structural-Civil Engineering

Retrofit of Existing Structures

- Analysis of antenna supporting structures including guyed towers, self-supporting towers, monopoles, flagpoles, tri-poles & roof-top mounts
- Tower analysis of custom structures (antenna platforms, array antennas, broadcast antenna frames, curtain antennas)
- Tower and foundation reinforcing design
- Tower, monopole extension design
- Antenna installation drawings
- Construction drawings including fabrication details



Tower Engineering

Tower Inspections and Audits

- Tower climb and ground audits of existing loading
- Tower inspections as per the requirements (including twist and verticality, guy tensions, site compound, position of transmission lines)
- Tower measure-ups (structures without design original drawings)
- Inspection of rooftop installations
- Minor deficiency repairs
- Field Supervision
- Post installation inspections and as built

Radio Frequency, Transmission Engineering & Other Services

- Backbone and backhaul Planning (MW design and associated path designs, propagation, LoS survey)
- Safety Code 6 – Human RF Exposure (Roof-tops and Towers)
- Technical support for construction (preparation of method of procedures)
- Engineering consulting – expert opinions and site visits
- Preparation of engineering specifications and tender documents (scope of work)
- Budgetary costs of labor and material



For more information on our services:

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