

DESIGNING THE CONNECTED FUTURE



OUR TELECOM NETWORK DESIGN SERVICES

Our State-of-the-Art Expertise

Telecom is well known for its leading-edge telecom network design and engineering expertise and top-quality services. Our team offers a full range of telecom network designs, engineering services and turnkey solutions.



Our vast range of diversified expertise:

- FTTH Engineering
- Outside and Inside Plant Engineering
- Structure and Civil Engineering
- 5G and Wireless Engineering
- Structural Tower Engineering
- Radio Frequency and Transmission Engineering

Our Custom-Made Services

Since its inception, Telecom's design division has tackled every challenge by using tested know-how while devising innovative solutions. From small network extensions of a few hundred feet to large fiber-to-the-home (FTTH) development projects, Telecom evaluates all variables to deliver designs that are best suited for each network.

CONNECTING NORTH AMERICA

Our Story

From a regional telecom network builder in 1967 in Quebec (Canada), Telecom has grown into a world-class industry-leading telecom network design, infrastructure and connectivity services provider. We deliver diversified and scalable best-in-class, cost-effective and time-saving services and turnkey solutions to North American telecom operators and businesses. Our highly skilled team is firmly committed to supporting our customers in propelling tomorrow's connectivity in our communities, businesses and homes.

OUR NORTH AMERICAN FOOTPRINT

At a glance



1,000+
Design Workforce



5 MILLION+
Homes Connected to Fiber Broadband



Ongoing
Contracts with Several Major
Services Providers



50
Business Locations



50+
Years of Telecom Network Expertise



OUR NETWORK DESIGN SERVICES

Planning, Design and Permitting



PRELIMINARY MAP FIELD SURVEY

In-depth exploration of the territory

- Examination of existing terrain information
- Professional field surveys & relationships with authorities
- Evaluation of footage, positions and distances
- Connection to existing networks
- Assessment of underground conditions
- Mapping of waterways
- Gathering critical cost-evaluation data



NETWORK DESIGN

Thorough planning of all types of networks

- Structural design - manholes, pole lines, conduits, retaining walls, bridge hanger systems, etc.
- Subsurface utility engineering
- AutoCAD and Microstation plans
- Integration of architectural data including GIS Mapping, Oracle databases
- Evaluation of specs including cable sizing, equipment and protection, design notes, specific wavelengths and node positioning
- Network Planning and Provisioning (NP&P)



LEGAL AND CONSTRUCTION PERIPHERALS

Dealing with authorities and contractors

- Municipal permits, markups, and approvals
- Right of Way (RoW)
- Site plans and building permits
- Electrical safety surveys & compliance
- As-built and data capture



YOUR PARTNER OF CHOICE

Our Key Differentiators

- A North American Team of Experienced, Certified and Highly Skilled Employees
- A Proven Track Record of Reliability, Efficiency and High-Quality Delivery
- An Unparalleled Expertise in Design Processes Automation
- Well-Established Business Relationships with Several North American Key Network Operators

**SAFE.
PROVEN.
TRUSTED.
RELIABLE.
QUALITY-FOCUSED.
INNOVATIVE.**



For more information

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