

CONNECTING CANADA'S UNDERSERVED COMMUNITIES AND ENTERPRISE

WireIE SOLUTION OVERVIEW:

Many of Canada's underserved areas have no coverage, limited coverage or are dealing with legacy technology no longer relevant in today's economy.

WireIE has been solving the problem faced by the 20% of Canada's communities that are underserved, for over 10 years.

Things to know about WireIE:

- Canadian company
- Providing solutions to overcome constraints around geography, time and budget when traditional solutions are not practical or too costly
- Quick time to deploy
- Lower cost (enhanced fiber at a fraction of the cost of traditional build outs)
- Providing the highest quality, robust, secure network

WireIE WORK SAMPLES:

The following examples illustrate a range of work that WireIE has performed in order to provide connectivity to underserved communities across Canada:

Scenario 1: Partnership: Mt. Wallenstein, BC

- Major NAV Canada radar station; 20km west of Salmon Arm, BC, 2000m altitude change
- Replaced legacy T1 service with 10Mbps Ethernet service
- Access through challenging terrain
- Partnered with Allstream and Shaw
- Time to deploy: 6 months
- Cost to deploy (wholesale): \$172k

Scenario 2: Remote Underserved Market: Swan River, MB

- Underserved deployment
- Extended Ethernet connectivity 15km from nearest POP in Minnetonas
- Swan River Population: 4,000
- Delivering 10Mbps to end Customer (GENS/HRDC)
- Time to deploy: 6 months
- Cost to deploy (wholesale): \$200k

Scenario 3: Indigenous: Wikwemikong, ON

- 300Mbps managed Ethernet service to community of Wikwemikong
- Enable triple play offering (Internet, IPTV, Phone) to First Nations community (200 homes)
- Previously served by very poor, expensive DSL and cable TV services
- Time to deploy: 1.5 months
- Cost to deploy (wholesale): Total cost for backhaul + triple play solution \$270k

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WireIE UNDERSERVED MODEL SOLUTION

WireIE has a unique position as an established national Canadian carrier delivering high performance networks in Canada's underserved markets. By choosing the best technology for every project, WireIE consistently builds and manages private networks that can adapt to multiple scenarios.

- Preparation of a broadband feasibility assessment report including solution design, vendor selection, project management, outsourcing of NOC services and implementation enablement
- Assessment and mapping of current telecom broadband infrastructure to assess capability and capacity
- Opportunities to increase telecommunication products and bundling packages for sale and resale
- Identified regulatory requirements to grow telecom products and services
- Analysis of the external telecommunications sector and the re-use of licensed frequencies for delivery of broadband services
- Assessment of capabilities and capacity towards the overall growth strategy, helping to drive regional economic development
- Partnerships with all major carriers across Canada
- Delivery and deployment of quality, secured, broadband network solutions

COMPARISON OF CONNECTIVITY TECHNOLOGIES

Features	WireIE	Satellite	LTE	Fiber
Speeds Available	Up to 7 Gbps	Up to 25 Mbps	20-31 Mbps	Up to 10 Gbps
Guaranteed Performance	✓	x	x	✓
High Availability	✓	x	✓	✓
Security	HIGH	HIGH	LIMITED	✓
Scalability	✓	x	x	✓
Coverage	✓	✓	x	x
Latency	LOW	HIGH	MEDIUM	LOW
QOS	✓	✓	x	✓
Symmetric	✓	✓	x	✓
Spectrum	Licensed*	Licensed	Licensed**	N/A
Time to Deploy	LOW	LOW	MEDIUM	HIGH

*Private network **Public network

ROBUST ANNUAL PERFORMANCE

- End-to-End Availability (99.97%)
- Latency (4.4ms one-way)
- Packet Loss (0.07%)
- Mean-Time-To-Repair (2.4hrs)

SERVICE LEVEL AGREEMENT

- Latency <35ms one-way-traffic
- Packet Loss: ≤ 0.5 %
- MTTR = Urban: ≤ 4 hours
Rural: ≤ 6-8 hours
- Availability: Minimum 99.9%

WireIE DIFFERENTIATORS

- Fully Managed Service Design, Build, Operate
- Proven Network Performance
- MEF CE 2.0 Certified
- Rapid Deployment
- 24/7 NOC
- Licensed Spectrum



About WireIE: WireIE is a Canadian telecommunications carrier, specialized in the deployment of MEF Certified Carrier Ethernet 2.0 networks to underserved markets. WireIE's proven network performance, backed by industry-leading SLAs, has been established as the provider of choice for mission critical network requirements, across all industry verticals. Believing in a strong partnership model allows WireIE to focus on building missing components of broadband network solutions while keeping the costs down and dramatically reducing delivery times.

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