



PROFESSIONAL SERVICES: FIRST NATIONS COMMUNITIES

Feasibility Analysis Phase

- Assessment and mapping of current telecom broadband infrastructure to assess capability and capacity to serve current and future requirements
- Analysis of the external telecommunications sector and the use of licensed frequencies for delivery of broadband services
- Assessment of opportunities to increase telecommunication products and bundling packages for sale and resale
- Identification of regulatory requirements and/or barriers to grow telecom products and services
- Assessment of organizational capabilities and capacity to achieve target growth objectives
- Assessment of Federal, First Nations and Regional funding sources as applicable
- Assistance with preparation of Federal ISED (Innovation, Science, Economic Development) funding application as well as other First Nations, regional or other funding applications

Solutions Engineering Phase

- Review of requirements from Feasibility Analysis Phase and changes as required
- Network design review covering fibre/RF design, IP network design, equipment recommendations, and partnering opportunities
- Assessment of recommendations for value added services offerings – i.e. IPTV, IP Phone, cloud based services, enhanced security requirements
- Estimated broadband coverage of communities based on detailed RF and fibre design as applicable
- Internet transit and backhaul network capacity engineering based on projected uptake of services and oversubscription ratios specified
- Preparation of Network Design document specifying recommended design and components
- Requisition of supplier quotes for budget preparation
- Budget preparation and recommendations enabling customers to meet financial constraints contained in funding applications and/or agreements

Network Build & Deploy Phase

- Project Management by a Certified PMP, including preparation of project charter, detailed project plans and action registers, internal budget reporting, ISED reporting and other funding source reporting as required
- Co-ordination of POs generated by customer from supplier quotes requested for installation of all specified network equipment and services
- Negotiation of required colocation agreements with tower owners or building roof top landlords as applicable
- Construction management of new broadband wireless and/or fibre network builds, tower builds, power and civil builds as appropriate including permit approvals from local and provincial authorities (i.e. power, utility locates, Nav Can, environmental requirements)
- Implementation of new internet gateway as applicable
- Wireless and IP Network equipment provisioning and ongoing network management of the wireless network hub sites as well as the fiber network deployed
- Supervision of first customer site installs by First Nations staff and/or negotiations of agreements with 3rd party contractors to do customer installs
- Training of partner resources to install and provision the wireless subscriber units
- Training of First Nations resources to access the WireE trouble ticketing system for level 1 support resources of end customers
- Acceptance testing of all network components installed and verification of as built drawings for all locations
- Preparation of required ISED/Other funding source milestone reporting as required
- Assistance with billing and related equipment including Radius server authentication as well as subscriber bandwidth usage tracking and validation of capability to include multiple internet service offerings custom tailored

GOALS

- Improve broadband and internet access to First Nations communities
- Provide an accurate business model
- Conduct a feasibility study to help provide funding
- Connect with the right partners
- Future-proof engineered solution
- Validate the solution

VALUE

- Improve broadband coverage to full time and seasonal households
- Lower capital build costs
- Shorter implementation timeframes
- Incremental revenue streams through colocation fees to existing and new carriers

FUTURE

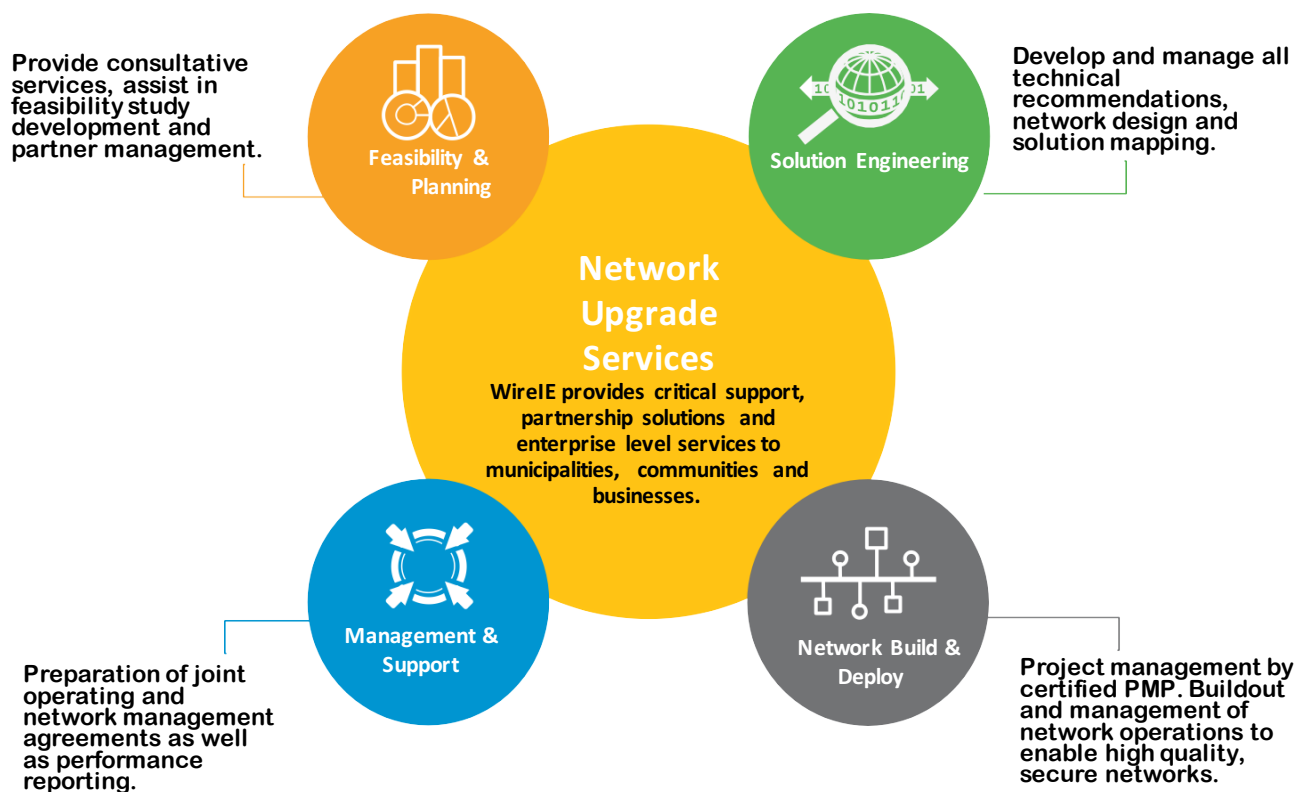
- Continue to build broadband networks to “Unleash the Potential” of Canada’s underserved communities

Network Management and Support Phase

- Assessment and preparation of quotes for ongoing network management of the wireless and fibre backhaul as well as access to network sites per detailed in the network design
- Preparation of joint operating agreements and network management agreements with 3rd party support suppliers
- 7 x 24 x 365 network management of transport and access to network elements outlined in the detailed proposal accepted by customer
- 2nd level support and triage of troubles escalated by 1st level support resources (typically trained by WireE to support end customers of the First Nations ISP)
- Escalation and triage of faults detected with 3rd party suppliers of Internet and other value add services (i.e. IPTV, IP phone, Internet transit)
- Monthly reporting of network performance and tickets as applicable in the agreement

Network Upgrade Services

- WireE provides critical resources professionally trained in each discipline throughout the life cycle of a client relationship as well as at each phase of the project
- Project management via certified PMPs
- RF, IP, fibre engineering professionals with access to all of the necessary design tools to conduct detailed assessments
- Proven Executive Expertise in building and managing all elements of the network lifecycle including funding, business case preparation, detailed feasibility assessment, network design, network build, network operation and network management
- Proven partnership model working with all Tier 1 and 2 carriers validated in all markets that WireE networks are deployed
- Proven Enterprise solutions built around MEF CE2.0 certification – the Ethernet industry standard adopted by all international carriers



About WireE:

WireE is a Canadian telecommunications carrier, specialized in the deployment of MEF Certified Carrier Ethernet 2.0 networks to underserved markets. WireE'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 WireE to focus on building missing components of broadband network solutions while keeping the costs down and dramatically reducing delivery times.