

Ribbon Solutions for Utilities

Building, Securing, and Monetizing
the Communication Network





Monetize Your Assets Without Growing Your Staff

We Have the Experience and Expertise

With hundreds of Critical Infrastructure customers worldwide, many of whom are evolving into Utelco’s, we are a proven, trusted partner for network transformation.

Communications Network for Utilities

Ribbon provides secure integrated voice and data solutions featuring a robust, field proven IP/MPLS product portfolio and a state-of-art voice platform supported by advanced, tailorable automation and analytics.

IP Optical solutions optimized for the middle mile

- IP Optical solutions with advanced slicing technologies optimized for the middle mile, provide:
- **Communications network optimized IT and OT** - providing dynamic IP for IT services and deterministic IP for mission-critical OT, such as SCADA and teleprotection. Unique multi-stack MPLS with network slicing supports risk-free IT/OT convergence.
 - **Support for middle-mile consortiums** - providing the optimized IP Optical transport and network segregation required by multitenant middle mile consortiums.
 - **5G xHaul** – provides a transport network with the network slicing and routing technologies required to guarantee service performance parameters such as capacity, low latency, reliability.
 - **Multitenant Network** – providing the network segregation and service performance guarantees required to wholesale services to Service Providers

IP Optical solutions providing Multiservice, multiaccess support

- Converged support for multiple access technologies, agile enough to guarantee the SLAs for legacy, current and future services.
- **Support for Field area Networks** - Supports backhaul of data from mass rollout of CCTV and narrowband IoT devices using LoRa, NB-IoT, 5G
 - **Rural Broadband Backhaul** – support for FTTx and FWA deployments providing DIA, Direct internet services and support for FTTP through advanced PON services.
 - **5G xHaul** – provides a transport network with the network slicing and routing technologies required to guarantee service performance parameters such as capacity, low latency, reliability.
 - **Support of Legacy Services** – Proven technology and processes for migrating TDM services from SONET to the packet switched network (PSN)

Unified Communications

VoIP with analytics and security in mind. Integration with MS Teams and Zoom. State-of-art Session Border Controllers for protection of voice domain services and applications, such as video conferencing, call-centre’s, help-desks and any corporate, IT, department.

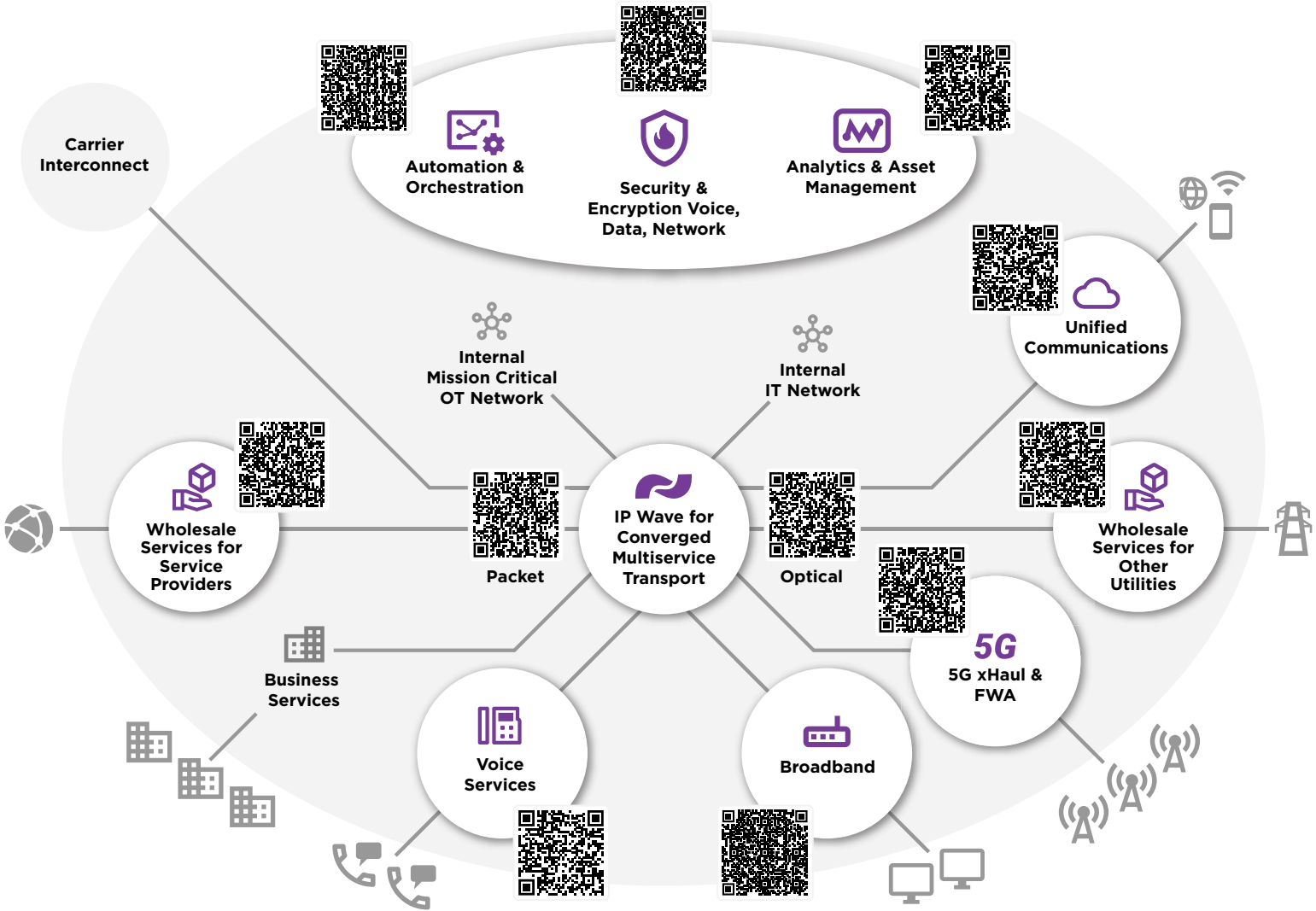
Tailored Security

We provide multilayer encryption to ensure secure service delivery and multi-layer, multi-domain, end-to-end security over the entire product life-cycle, with compliance to strict industry standards and recommendations, Common Criteria, ISO 27000, NERC-CIP.

Automation Removes the Pain

Multi-layer network visualization provides Optical and IP layers under a single pane of glass. With advanced tools providing automation across the full lifecycle with capabilities, such as planning, provisioning, alarm management, fiber health management, and performance monitoring you can monetize your assets without increasing your staff.

Agile, Secure Communications Networks for Utilities



Integrated Broadband and Voice Services

Learn More:

Message from Our CEO

Dear Valued Ribbon Customer,

It is an exciting time to be in the utility industry!



The demand for great communications services has never been stronger, especially in our rural and underserved communities. One of the greatest challenges facing not only the communications industry, but many countries in general, is how to best bridge the digital divide.

Electric cooperatives are increasingly taking on the non-traditional role of delivering high-speed internet access and other advanced communications services to their local customers and residents. They are filling a void where some of the more traditional communications service providers have deemed it too expensive and chosen not to extend broadband service into rural communities.

Ribbon has a longstanding and rich history with our electric and utility provider (utilities) customers. We not only strive to be trusted partners but are significantly invested in ensuring your success. We pride ourselves on helping you better serve your customers. Whether it is restoring communications services immediately following a natural disaster or providing support after major emergencies - we are there when you need us.

We also take a great deal of pride in delivering world-class voice and data communications solutions that not only connect and protect our Utility customers and their end-customers, but are also deployed in many of the largest communications networks in the world. For decades Ribbon has serviced and supported our customers' voice networks and we can now provide you with best-in-class solutions as you build out your IP and Optical data networks.

You are playing a critical role in closing the 'digital divide' in the country. At Ribbon, we have a great portfolio of products and services and look forward to assisting you in addressing this challenge head on!

Thank you for your trust and for your business.

Bruce McClelland
President and CEO
Ribbon

Contact Us

Contact us to learn more about Ribbon solutions.