

Improving Internet Reliability to Deliver an Experience of a Lifetime.

 CUSTOMER SUCCESS

How Rocky Mountaineer deployed Turnium to aggregate multiple LTE from different providers and satellite connections across mountain rail routes to ensure stable internet connectivity for team members.

About Partner

Visit Website [↗](#)

Headquarters

Vancouver, BC

Founded

1990

The Rocky Mountaineer is a Canadian rail-tour company based in Vancouver that operates luxury scenic trains on four rail routes in British Columbia, Alberta, Colorado, and Utah.

Under private ownership Rocky Mountaineer has become a Canadian Icon, hosting millions of guests from around the world, over the past three decades. These guests spend time in BC and Alberta creating a lot of economic benefits.

“ Through Turnium, our Team Members can serve our guests through more effective communication and use of technology.”

- Infrastructure Team
Rocky Mountaineer

Summary

- Rocky Mountaineer had deployed an SD-WAN platform from a traditional networking company but experienced challenges with LTE connections throughput, platform operations, and licensing.
- Turnium SD-WAN was deployed and improved LTE connection throughput, performance, cost-effectiveness, and reliability and delivered the ability to automatically balance traffic across multiple LTE connections from different providers, or to add satellite connections in the mix.
- Rocky Mountaineer IT and operational teams value Turnium’s simplicity and plug-and-play capability to make moves, adds, changes, and deletes quickly. Turnium’s licensing model, and the ability to use a variety of standard hardware and virtualization to tailor their Turnium deployment to support specific operational needs.



Internet Connectivity for the Journey of a Lifetime

Rocky Mountaineer operates four unique luxury rail tour routes in Canada and the United States. On journeys through the Rocky Mountains of British Columbia, Canada, or the Canyons of Colorado, USA, guests are treated to spectacular views and exceptional service.

Ensuring that Rocky Mountaineer staff have constant secure connectivity with remote applications is a critical deliverable for Rocky Mountaineer's IT team.

The initial solution deployed by Rocky Mountaineer could not maintain internet connectivity. The initial SD-WAN platform was not able to provide the seamless link aggregation, or the multi-carrier and multi-transport traffic balancing and circuit failover required to maintain internet connectivity. Rocky Mountaineer team members were confronted with continual issues, outages, and loss of connectivity to critical business applications and to the internet.

Prioritizing Ease of Use, Simplicity, Performance, and Licensing

Rocky Mountaineer IT staff evaluated multiple technologies to provide a stable internet connection using up to 4 LTE connections. The team eventually chose Turnium as the most simple and cost-effective solution.

While mountain terrain is difficult to work with, Turnium has enabled proper aggregation of multiple LTE connections from multiple carriers together with satellite connections which provided improved performance connectivity to team members. Turnium's platform automatically balances packets across multiple wireless or satellite circuits from different providers, choosing the most efficient paths to transport voice and application traffic and automatically transitioning data in milliseconds across any available circuits, regardless of provider. This enables constant connectivity, even though multiple wireless networks are being used simultaneously, or as the trains transition across carrier network boundaries.

Voice or critical applications onboard the trains can also be prioritized using Turnium's quality of service engine and data streams can be encrypted to ensure security.

Once deployed, Rocky Mountaineer IT teams found that the Turnium platform required little interaction and changes could be made quickly and easily. Turnium's licensing model made deployment highly cost-effective as did the ability to use commercial off-the-shelf white-box hardware instead of proprietary hardware. Being able to deploy Turnium SD-WAN on a variety of hardware and virtualization solutions onboard trains enabled IT staff at Rocky Mountaineer to tailor the solution to fit operational requirements and avoid complexity.

About Turnium

Turnium Technology Group, Inc. delivers its software-defined wide area networking (SD-WAN) solution as a white label, containerized, disaggregated software platform that channel partners host, manage, brand, and price and as a managed cloud-native service. Turnium SD-WAN is available through a channel partner program designed for Telecommunications Service Providers, Internet and Managed Service Providers, System Integrators, and Value-Added Resellers.

About SD-WAN

SD-WAN is revolutionizing the networking and telecommunications industry by abstracting secure, high-speed networking and network control from underlying physical circuits. SD-WAN frees enterprises, small-medium businesses, cloud, and managed services providers from the business and cost constraints imposed by traditional telecommunications companies.

CONTACT TURNIUM TODAY.

sales@ttgi.io • +1 604-398-4314 | +1-888-818-3361 • turnium.com

turnium
TECHNOLOGY GROUP INC.