Voice Compression for Rural Telephony

Case Study

Voice Compression for Rural Telephony

Atlas Telecom Network, England

ATLAS TELECOM

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Stephane Allimant, President and Chief Operating Officer, Atlas Telecom Network

Challenge
Terminating voice traffic in hard-to-reach locations

Solution
RAD's Vmux enables Atlas to provide cost-effective, carrier-class voice services with compressed voice, connected over a satellite link.

Benefits of RAD's Vmux

- **Seamless migration to IP**
- **Low cost**
- **Compact size**
- **Simple installation**

RAD's Vmux Voice Compression Solution Chosen by Atlas Telecom Network

RAD Data Communications' Vmux™ voice compression solution has been chosen by Atlas Telecom Network, the wholesale division of Atlas Telecom, a global telecommunications operator. Atlas has deployed 20 Vmux devices, supplied by authorized RAD distributor GFI, across England, Eastern Europe and French-speaking parts of Africa.

Atlas Telecom Network provides termination of voice traffic to remote, hard-to-reach parts of the world. Atlas interconnects with the incumbent carrier or installs its own point-of-presence (POP) and provides cost-effective, high-quality access using a satellite link and RAD's Vmux. The Vmux solution ensures that Atlas can provide carrier-class voice services more cost-effectively than their carrier customers, which include 35 of the top 40 Tier 1 carriers.

"The Vmux is an ideal solution to enable Atlas Telecom Network to provide a decreasing cost curve for delivering voice to their carrier customers," said Grant Notman, UK General Manager, RAD Data Communications. "The Vmux delivers a fully resilient network path and enables Atlas to manage both the TDM and IP sides of their network."

Atlas Telecom Network was previously using RAD's Kilomux™ integrated access multiplexer. Atlas compared the Vmux against the Kilomux solution to make sure the same quality and performance were maintained. Together with GFI, Atlas also undertook extensive network acceptance testing of the Vmux prior to installation.

"We had the opportunity to beta test the Vmux and it achieved top marks from the very beginning," said Stephane Allimant, President and Chief Operations Officer, Atlas Telecom Network. "As well as providing a better cost and size comparison, the solution delivered some unique properties in terms of migrating from TDM to an IP backbone."

RAD
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Edward Warr, Chief Technology Officer,
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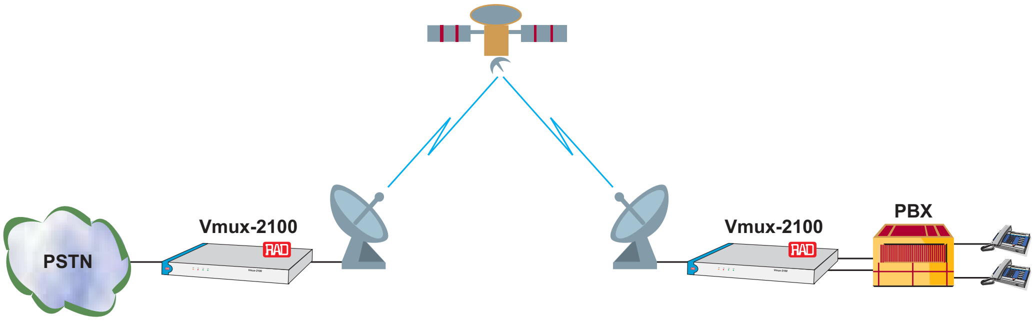
The Vmux is a small, flexible, plug-and-play solution, enabling Atlas to deploy the units with low installation costs. This contributes to Atlas's low service price and also ensures even lower costs should additional bandwidth or extra redundancy be required. The Vmux takes up just 1U in a 19" cabinet, reducing floor space rental costs and making integration much simpler and quicker.

"The size of the Vmux is superb, making it exceptionally quick and easy to install," commented Edward Warr, Chief Technology Officer, Atlas Telecom Network. "We were able to install the Vmux within an hour of seeing one for the first time, without even having to refer to the manual. Configuration took a matter of hours and setup was very easy."



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