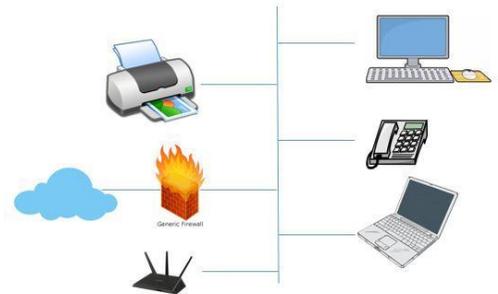## THE CHALLENGE

Your enterprise requires secure, reliable, and consistent IP network connectivity to all locations, without regard to their geographic locations. You cannot afford to wait months to have IP circuits deployed to new locations. Your IT Department doesn't have the manpower to evaluate dozens of service offerings from multiple vendors nor to manage numerous relationships across different time zones.

Broadband terrestrial and wireless cellular Internet Service Providers (ISPs) are continuously investing in building out network infrastructure to satiate the demand for higher access speeds. But too many rural communities are either underserved or unserved by these build outs leaving a critical gap in your ability to procure a consistent level of service across your enterprise.
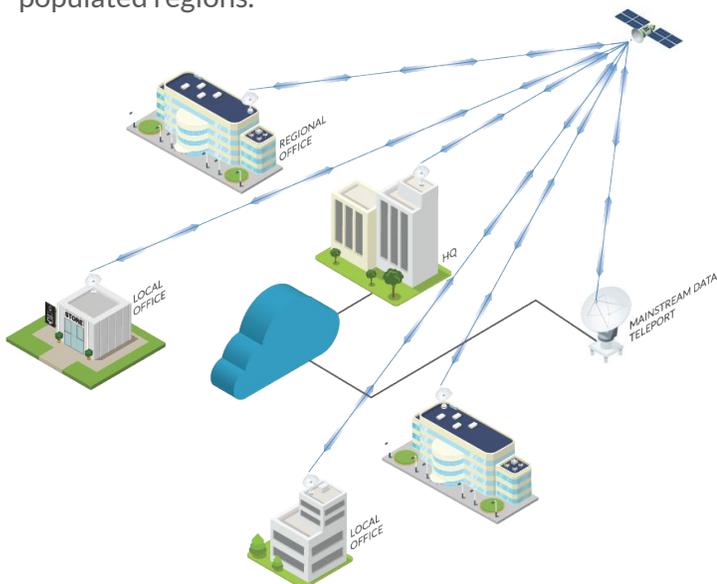
Consumer satellite IP networking solutions, which are popular in rural locations, are not designed to support the demanding requirements of business applications. These consumer offerings are often oversubscribed, causing common business applications to fail when you need them the most.

Simplified Typical Enterprise Network

THE SOLUTION

Mainstream's two-way satellite IP network uses COTS enterprise-grade hardware provided by iDirect to deliver secure wireless connectivity to your site through a path that is immune to the hazards of terrestrial networks such as cut fibers or downed overhead lines, and the network congestion caused by oversubscription in densely populated regions.

Satellite-based Private IP Network

Mainstream's private satellite network service is enabled through the installation of a small satellite dish (typically installed on the roof), and an IP satellite modem.

Advanced QOS capabilities of the IP satellite modem prioritize latency sensitive traffic such as VoIP and other applications using UDP to ensure that your most important applications are allocated bandwidth when required, without regard to the distance between your facility and local telecommunications company's point of presence.

Mainstream's Private Satellite Networks can be tailored to the specific needs of your enterprise, whether you are looking to procure service for a handful, a hundred, or even thousands of locations.

The service is offered as a fully managed IP networking solution. Mainstream provides all necessary equipment, satellite space segment capacity, transmission, and 24X7 network monitoring and support.

1.2M antenna with non-penetrating roof mount

- Rapid and consistent service to all locations

- Customizable and scalable to meet your current and future requirements

- Real-time visibility into the status of the entire network

- Single vendor relationship covering all sites

- Immune to terrestrial networking hazards

If you already have a primary IP network, Mainstream's satellite IP network makes an ideal and route diverse backup solution, which can be configured to provide automatic switching from your existing terrestrial network to the satellite network in the event of a failure of your primary network.

ABOUT MAINSTREAM

Mainstream Data is one of the largest and most experienced fully integrated satellite-based IP connectivity providers in North America. The company has commissioned more than 10,000 remote VSAT sites since it installed its first two-way VSAT hub in 2003. Mainstream Data's focus is providing customized IP connectivity to and IT hosting solutions for enterprise customers.

As an iDirect hub owner and teleport operator, Mainstream Data maintains complete control over all aspects of its network enabling it to provide an unparalleled level of customization to its customers. The company has invested millions of dollars into its owned-and-operated teleport and Network Operations Center (NOC) and has recently contracted with a second world-class independent teleport to provide both geographic and satellite diversity enabling it to offer its customers a higher level of network availability, when required.

Mainstream Data provides satellite-based connectivity to enterprise customers to whom Internet or intranet connectivity is mission, revenue, or even life critical and to customers who operate in regions which are unserved or underserved by traditional terrestrial infrastructure.

Contact us today to learn more.