

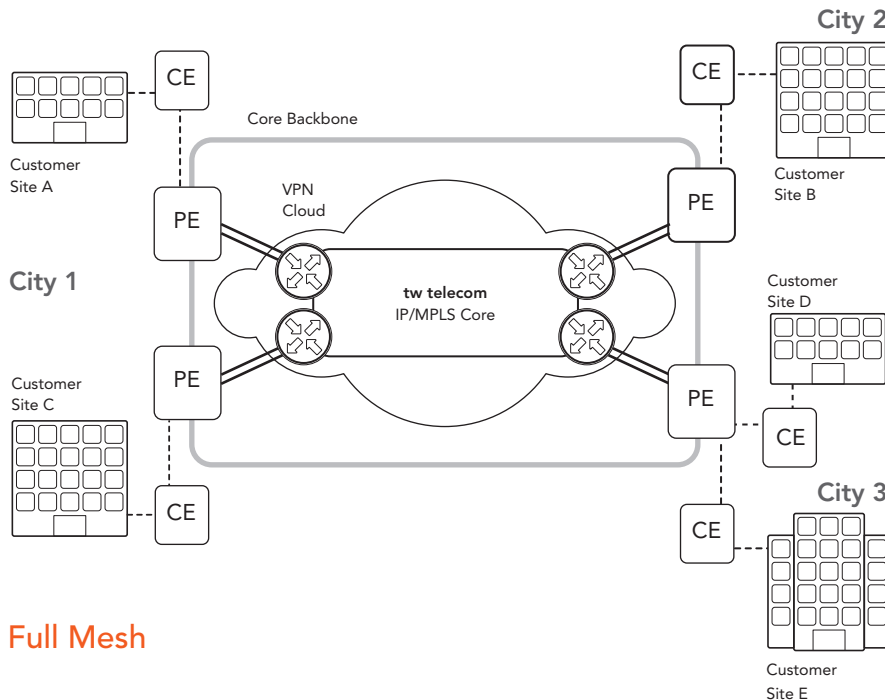
# IP VPN



The need for private communications between multiple locations remains a top priority as companies continue to expand across the country.

tw telecom's IP VPN offers your business any-to-any connectivity to locations across the U.S., including Hawaii, with the same level of privacy and greater efficiency that legacy point-to-point ATM or Frame Relay network connections deliver. The difference: tw telecom provides the flexibility of a modern IP-routed network with Multiprotocol Label Switching (MPLS). This enables businesses to keep current network protocols, prioritize data by traffic type and ensure privacy in the IP network with physical, logical and operational levels of security.

tw telecom's IP VPN extends your IP-based network and applications cost-effectively across the country to support the evolution and growth of your business.



Full Mesh

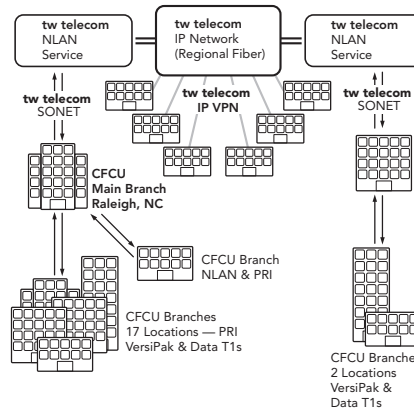
## About tw telecom

tw telecom delivers the most advanced telecommunications solutions on the market to a wide spectrum of businesses and organizations across the United States. Since 1993, we have built a legacy of success through exceptional customer care, remarkable products and powerful networks. These strengths enable us to deliver scalable solutions that help customers improve their business metrics. For more information, please visit [www.twtelecom.com](http://www.twtelecom.com).

## Case Study: Coastal Federal Credit Union

Coastal Federal Credit Union, based in Raleigh, N.C., is a 140,000-member credit union. They currently use a combination of **tw telecom's** bundled voice and data service, a wide-area Ethernet solution and IP VPN to connect their 44 branch and ATM locations. Plans include expanding the IP VPN service to as many as 50 additional locations.

*"We now have the ability to easily add more capacity when needed and the quality and reliability of tw telecom's redundant, managed fiber networks is invaluable to us," said Jim Price, Vice President of Facilities for Coastal Federal Credit Union.*



### CFCU's Results:

- Continued growth with **tw telecom**
- Ability to provide new user applications and bring in new customers
- Ability to buy 5 different solutions from one provider

## Advantages of IP VPN Network Solutions

**Class of Service:** With **tw telecom's** IP VPN Premium, you can manage multiple applications that are competing for the same network resources by prioritizing traffic with 5 service classes.

**Any-to-Any Connectivity:** Reduce latency by avoiding tandem routing at the hub location.

**Flexibility:** Receive superior routing flexibility compared to legacy technologies like ATM or Frame Relay.

**Scalability:** Access bandwidth levels from a T1 to OCn or 2 Mbps to 1000 Mbps of Ethernet to support simple or complex business applications with the specific amount of bandwidth needed.

**Ease of Management:** Quickly add sites to your network without having to reconfigure all of your routers.

**Control:** View real-time network performance metrics and your specific class of service data via **tw telecom's** web portal.

**Managed Router:** **tw telecom's** managed router option includes required equipment, on-site installation, proactive monitoring and 24x7x4 maintenance, allowing you to decrease costs, maximize IT resources and ensure high availability of your IP VPN service.

**tw telecom** helps its clients leverage next-generation converged technologies to maximize the efficiency of business communications. Local installation teams ensure that your service is installed quickly and correctly — with the quality only **tw telecom's** IP VPN Solutions deliver.

## Business Benefits

**Increase Productivity:** Perform all business functions from any location, improving efficiencies and overall company performance.

**Accelerate Growth:** Support your company's growth as you seamlessly add any amount of bandwidth where and when you need it, and quickly add sites without having to reconfigure your routers.

**Go Anywhere:** Extend your business reach by expanding your network to multiple, diverse locations.

**Cost Savings:** Reduce infrastructure cost by utilizing your existing equipment or opting for **tw telecom** to provide and manage your routers.

## Business Features

**24x7x365 Support:** National monitoring for network quality with local technical support.

**MPLS-based Security:** Delivers reliable communications and data integrity, every time.

**Transport Flexibility:** Scalable solutions using TDM or Ethernet services.

**Distributed Communications:** For any-to-any connectivity.

**Managed Router:** Manage costs, maximize IT resources and reduce your total cost of ownership by opting to have **tw telecom** provide and manage your routers.