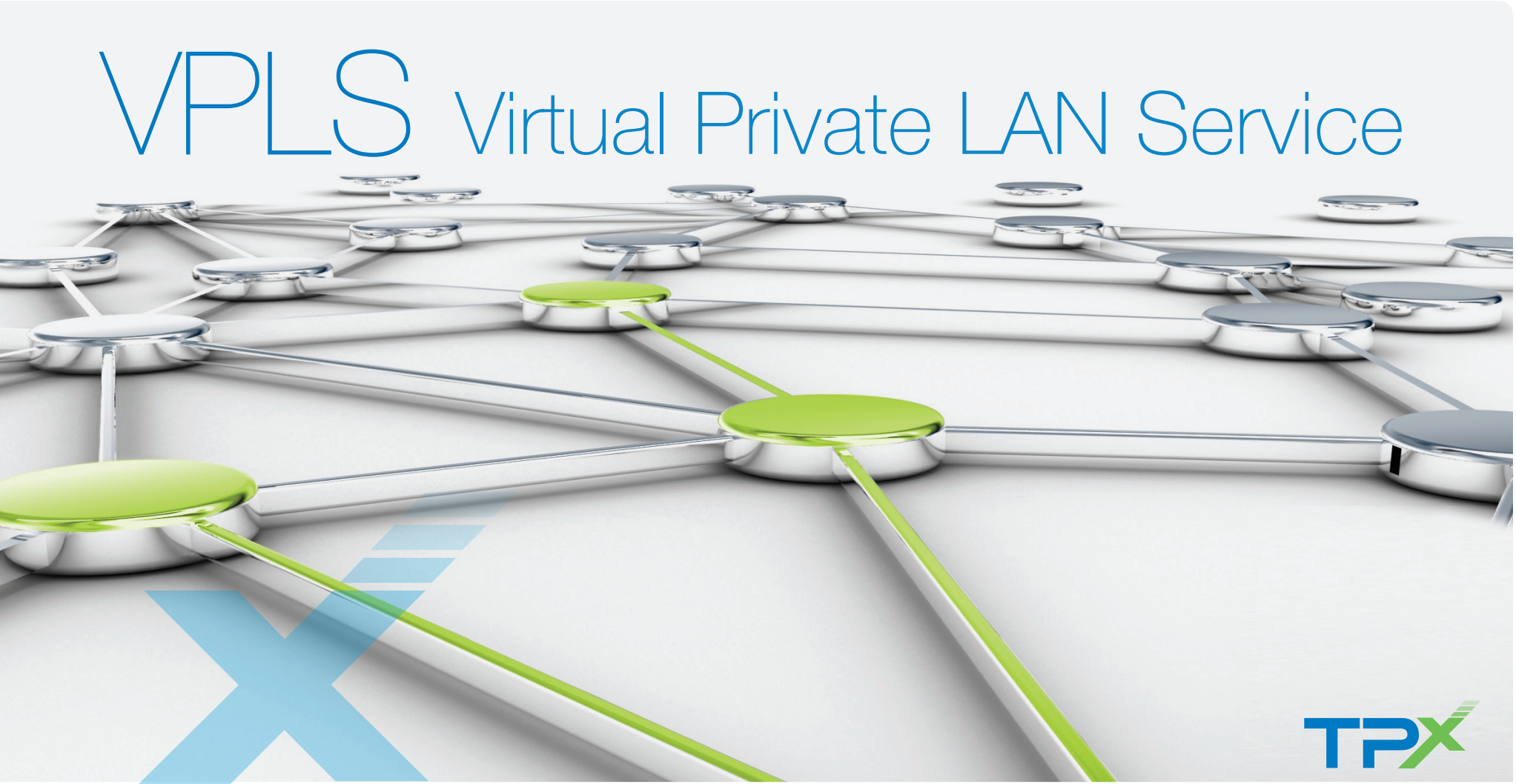
VPLS Virtual Private LAN Service



VPLS relieves bandwidth demands, keeps your communications private and reduces your support and equipment expense.

Reduce network complexity lowers the total cost of implementing and managing wide area networks. VPLS makes this possible by using the same Ethernet technology deployed in your office network to connect the many sites you may have in different locations around the world.

VPLS benefits

Simplified Network Management. When you use TelePacific's VPLS, you can connect geographically dispersed sites using the same type of equipment that is used in the Local Area Network (LAN). There is no need to implement complex routing and IP configuration to create a Wide Area Network (WAN). As Ethernet is a familiar technology, it is often not necessary for you to employ new, highly skilled internal staff to configure and manage the WAN hardware either. Network management tasks are simpler, and this contributes to a lower total cost of ownership.

Flexible Data Management VPLS enables you to differentiate between application types and prioritize business critical traffic. The service is transparent to higher-level protocols, so traffic can be seamlessly

transported. You can create virtual sub-networks (virtual LANs) in order to separate data for different business processes or functions. This can help you manage cost allocation between separate business divisions or meet regulatory obligations. VPLS can also be interconnected with existing IP Virtual Private Networks to create a hybrid network or to support a phased migration to Ethernet.

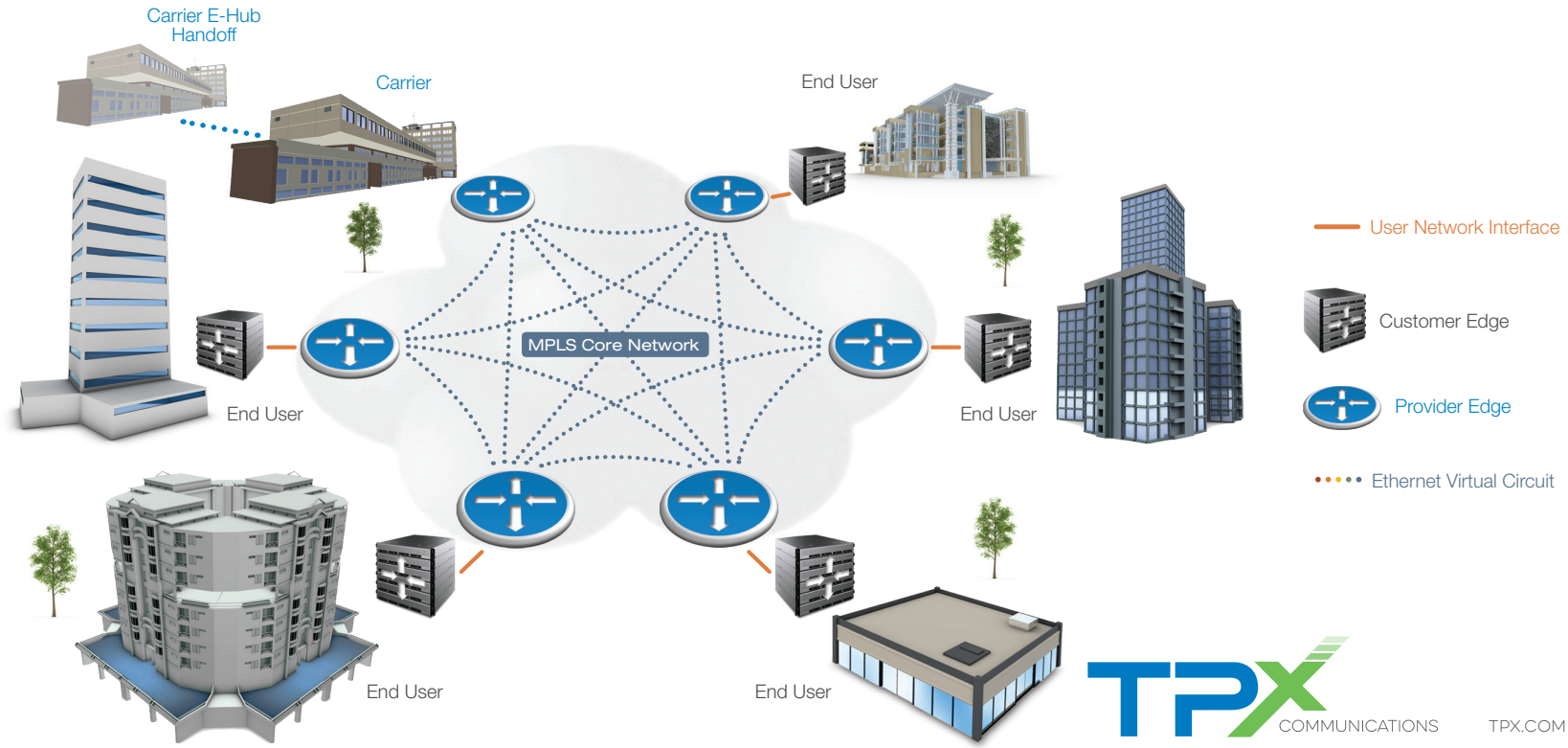
Strong Fault Tolerance In any-to-any service, VPLS is delivered over a robust infrastructure based on Multi Protocol Label Switching (MPLS) technology. Consequently, a high degree of fault tolerance is included as standard. If a network failure occurs, traffic is automatically redirected via the best available alternative route, resulting in minimal service disruption.

Routing Control and Privacy VPLS offers the control of Frame Relay and ATM networks, combined with the higher performance of IP VPNs. The service operates at Open Systems Interconnection (OSI) layer 2, allowing you to control your end-to-end routing and security. This solution is ideal if you are reluctant to outsource the management of your IP routing for either security or compliance issues.

VPLS features

- **Wide range of Ethernet speeds** Extends from 1Mbps to 1Gbps, with a choice of bandwidth increment options.
- **VPLS and IP VPN interworking** Enables running a hybrid VPLS and IP VPN network concurrently with seamless Class of Service (CoS) mapping.
- **Internet access over VPLS** Allows use of the private VPLS network to access the internet, so getting more value from network investments
- **Multiple classes of service** Gives the ability to determine how different types of traffic are prioritised on the network
- **Multiple VLAN interfaces** Enables the creation of closed user groups within the overall topology
- **No restriction on routing protocols** Supports any protocol and addressing scheme
- **Service level agreements** Provides service levels for metrics including service delivery, availability and network performance

How It Works



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