CypressTel

USE CASE

A manufacturing enterprise transforms its connectivity infrastructure for enhanced operational efficiency and growth.

OBJECTIVES

To improve operational efficiency, the organization sought to enhance high-speed cross-border communications. As expansion continued, a flexible networking solution was needed for rapid connectivity. This would ensure reliable access to the ERP system in Mainland China, preventing interruptions while also reducing bandwidth pressure on the Hong Kong headquarters and lowering IT costs.

SOLUTIONS

CypressTel implemented a comprehensive SD-WAN solution specifically designed to meet the unique needs of the manufacturing enterprise.

COMPANY OVERVIEW

Headquartered in Hong Kong, this manufacturing enterprise operates factories in mainland China and has offices in Thailand and Vietnam, with plans for further expansion. Its ERP system is deployed at the Shandong facility, connecting branches via MSTP private lines routed through Hong Kong, ensuring efficient communication and collaboration to enhance productivity and competitiveness in the manufacturing sector.

KEY BENEFITS

High-Quality Connectivity
Ensures reliable and consistent network performance across all locations, enabling seamless team communication and collaboration.

Tailored Access Solutions
Customized connectivity options that cater to the diverse needs of various company branches and distributors, enhancing operational flexibility.

Improved Network Availability
Increases uptime and reliability by ensuring that critical applications remain accessible, minimizing disruptions to business operations.

Sufficient Bandwidth for Critical Applications
Guarantees that essential applications receive the necessary bandwidth for optimal performance, supporting business continuity and productivity.

AT A GLANCE

Industry
Manufacturing

Challenges
- High latency
- Limited flexibility
- Potential ERP disruptions
- High costs

Solution
SD-WAN

Benefits
- Enhanced connectivity
- Reduced costs
- Improved application performance

HOW IT WORKS?

CypressTel's SD-WAN solution creates a logical network based on its global SD-WAN backbone using overlay technology, simplifying service management between branch offices, data centers, and cloud environments.

Overlay Technology

Establishes a virtualized network layer over existing infrastructure, allowing seamless integration of multiple sites. This flexibility enables quick adaptation to changing network demands without significant hardware investments.
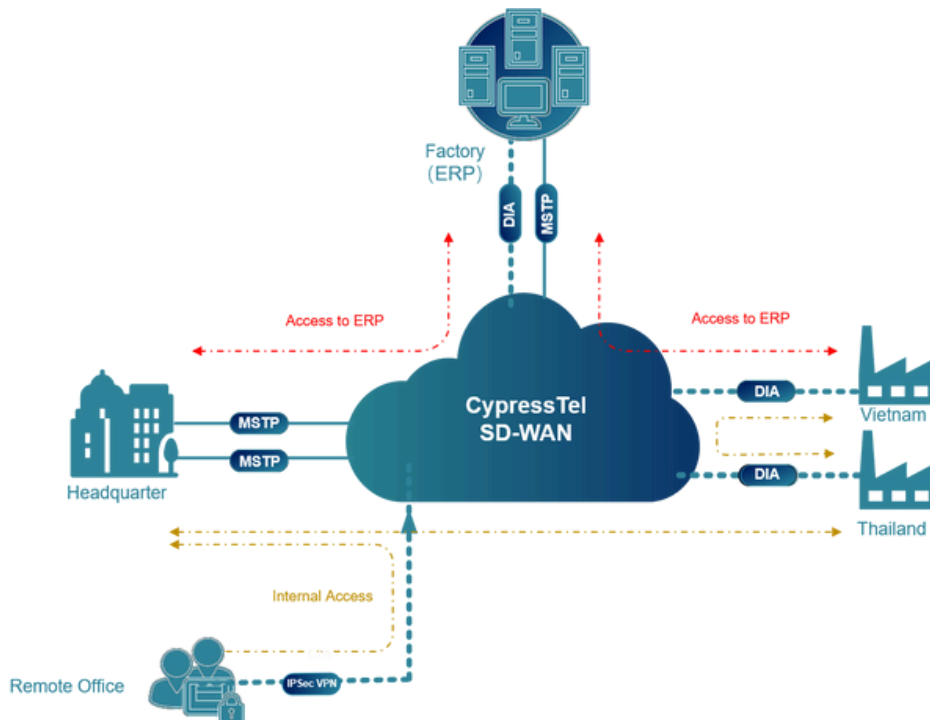
Intelligent Routing

Utilizes real-time data analytics to dynamically select the best path for data traffic based on current conditions and application priorities, ensuring optimal performance for critical applications and reducing latency.

Centralized Management Platform

Provides a unified interface for monitoring and managing all network devices. This simplifies WAN management, allowing for quick adjustments and troubleshooting from a single location while offering comprehensive visibility into network performance.

Enhanced Security Features

Incorporates built-in security protocols to protect data in transit and ensure compliance with industry standards. This includes end-to-end encryption and secure access controls to safeguard against cyber threats.

WHY CYPRESSTEL?

CypressTel is a leading global network service provider and pioneer in SD-WAN, delivering advanced and innovative ICT solutions for businesses of all sizes. With over 16 years of experience, we offer a wide range of services, including SD-WAN, SASE, Internet Access, Private Networks, Data Center Colocation, Cloud Connect, and WAN Optimization. Our extensive global presence features over 30 data centers, over 140 network PoPs, and coverage in over 300 cities, with a network capacity exceeding 10T. We are committed to continuous technological research and innovation in AI and edge computing, driving the adoption of new technologies.

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