

GLOBAL MANUFACTURER EXTENDS ENTERPRISE NETWORK TO MAINLAND CHINA WITH 128 TECHNOLOGY-POWERED SERVICE



Össur, a multinational prosthetics manufacturer, uses 128 Technology-enabled services from ambiFOX to extend its private enterprise network to its Shanghai office. The ambiWAN managed SD-WAN service helps the manufacturer improve communications and productivity, while ensuring compliance with China cybersecurity regulations.

The Challenge: Fast, Secure, Compliant Cross-Border Network Connectivity

Össur is a global leader in prosthetic, osteoarthritis, and injury solutions. The company operates in over 25 countries and has a presence on four continents, including an office in Shanghai that provides customer service, clinical support, and marketing assistance for Asia and Asia Pacific.

For years the Shanghai office was poorly connected via MPLS to the company's private network to comply with the China CyberSecurity Law (CSL), which imposes strict rules for handling traffic originating from China. The company's incumbent Cisco Meraki SD-WAN solution relied on an MPLS tunneling scheme that impedes traffic management, inhibits CSL compliance, and prevented Össur from connecting the Shanghai location to the Össur network in a reliable manner.

Employees in China were often isolated from the rest of the business, unable to access critical corporate applications and IT services. The company sought a way to reliably extend its enterprise network to Shanghai, while ensuring CSL compliance.

The Solution: ambiFOX Managed SD-WAN Service Using 128 Technology

Össur turned to ambiFOX, a leading-edge German Managed Service Provider for help. The ambiWAN managed SD-WAN service uses the 128T Session Smart™ Networking solution to provide fast, secure, reliable connectivity to mainland China. The 128 Technology solution features a tunnel-free architecture that eliminates the bandwidth inefficiencies and routing constraints of legacy SD-WAN products, allowing ambiFOX to provide cost-effective cross-border connectivity while adhering to China's strict regulatory and legal requirements. The fully software-based 128T Session Smart Networking solution is CSL-compliant, runs on a variety of hypervisors and CSL-compliant servers, and supports zero-touch provisioning for fast setup and easy administration—with no site visits.



"With 128 Technology and ambiFOX we accomplished in three weeks what we were unable to achieve in five years with MPLS."

Einar Dagfinnur Klemensson
Platform Owner Datacenter and Networking, Össur

Challenge

Extend access to all corporate applications and IT services to Shanghai office, while ensuring CSL compliance

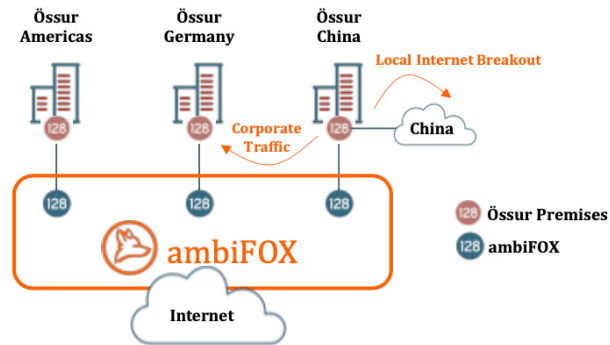
Solution

128 Technology-powered service from ambiFOX provides fast, reliable, compliant cross-border connectivity

Results

- **Rapid time-to-value** – Shanghai office connected in less than three weeks
- **Improved collaboration and productivity** – employees in China have full access to corporate applications and IT services
- **Superior user experiences** – application-aware routing ensures high service quality for latency-sensitive traffic
- **Mitigated risk** – strong security protects data privacy; CSL-compliant service meets strict regulatory requirements

The ambiWAN offering, powered by 128 Session Smart Networking software, is deployed in multiple public cloud data centers around the world. The service is terminated on 128 Technology Session Smart Networking instances deployed in Össur offices in the United States, Germany, and China. The 128 Technology solution intelligently routes traffic based on policies and real-time network conditions, automatically selecting the right path, for the right application, at the right time to ensure high availability and service quality. Unlike legacy SD-WAN solutions, the 128T Session Smart Networking solution manages and controls traffic at the edge, allowing ambiFOX to break out traffic originating from China locally to enforce CSL compliance.



ambiWAN Provides Compliant Cross-Border Connectivity to Mainland China

The Results: State-Of-The-Art SD-WAN Solution Accelerates Time-To-Value; Improves Communications, Collaboration, And Productivity

ambiFOX deployed the 128 Technology solution and had the Shanghai office fully operational in a matter of weeks—in the middle of the COVID-19 outbreak—without having to ship out any special-purpose hardware or send technicians on-site. The ambiWAN service helps Össur streamline communications, improve collaboration, and boost worker productivity. Employees in China can now seamlessly access Össur corporate directory services, unified communications platforms, office productivity suites, and other enterprise applications and IT services.

“With 128 Technology and ambiFOX we accomplished in three weeks what we were unable to achieve in five years with MPLS,” explains Einar Dagfinnur Klemensson, Platform Owner Datacenter and Networking, at Össur. The service helps Össur improve end-user experiences by ensuring high service quality for delay-sensitive applications, avoid risk and uncertainty by ensuring secure, reliable, and compliant connectivity, and free up IT staff and budget by eliminating operations expense and complexity.

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TECHNOLOGY

200 Summit Drive, Suite 600
Burlington, MA 01803
781.203.8400
www.128technology.com

ABOUT 128 TECHNOLOGY

At 128 Technology we help our customers radically reinvent their digital futures based on a new model for virtual networking called Session Smart™. Session-smart networking enables enterprise customers and service providers to create a service-centric fabric that’s more simple, agile, and secure, delivering better performance at a lower cost. Whether your enterprise is moving your business to the cloud, modernizing the WAN edge, seeking more reliable unified communications or pursuing an industrial internet of things (IIoT) initiative, session smart networking re-aligns networks with digital transformation initiatives.