opensystems

MANUFACTURING

Around the clock.
365 days a year.
Worldwide.

Agile, secure and high-performance access to applications

Manufacturing organizations work hard to keep their operations running 24x7 and are constantly looking to optimize their processes to improve productivity.

This means providing consistent, high-performance, and secure connectivity for sites, users, and machines, in difficult locations and M&A sites, and ensuring that remote access and IIoT can be safely implemented without too much risk of disrupting the business.

Open Systems provides manufacturing organizations with a seamless SASE Experience, guaranteeing:

- High-availability and high-performance connectivity everywhere, at any time
- Fast onboarding of new sites, even in difficult locations
- Zero Trust implementation for remote users and OT environments

Current IT challenges in manufacturing

CHALLENGE: Lack of connectivity to difficult locations

SOLUTION: Securely and flexibly interconnect all your locations, no matter where they are, while keeping an eye on costs.
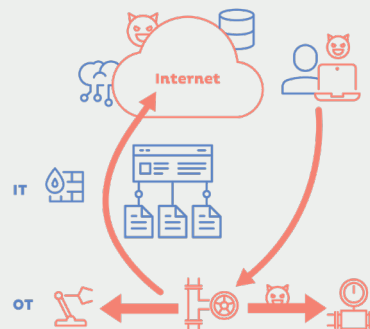
CHALLENGE: Unreliable application performance

SOLUTION: Support users by ensuring availability and reliability of critical business apps, both in the cloud and on premises (including new sites and difficult locations).
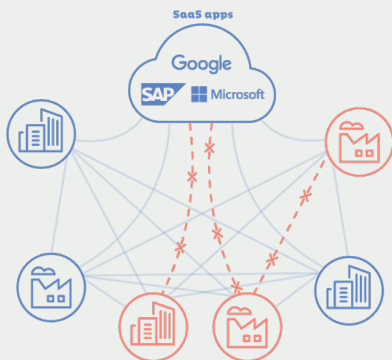
CHALLENGE: Limited security

SOLUTION: Implement Zero Trust for remote users and operational technology (OT) environments.

Deep dive into manufacturing challenges

Costly, rigid and unreliable connectivity to difficult locations

Organizations grapple with issues such as expensive MPLS/ISP lines, which not only strain budgets but also create an inflexible network infrastructure. Cumbersome new site connections resulting from mergers and acquisitions exacerbate the problem, causing delays and disruptions. Difficult sites, particularly those in geographically challenging areas like China, present connectivity hurdles that hinder seamless operations. These result in increased operational costs, delays in expansion, and compromised efficiency.

„/µ   ²o:Hµÿ: ÏÏµ2: ÜµnÞ¦öµ Š ® 2µöÞŠ¦öµ §   µ§HÞhÞHₒ¦H Š o **location** and guarantees application performance with end-to-end SLAs and tailored SD-WAN policies, also in difficult locations, thanks to a regulatory compliant WAN backbone.
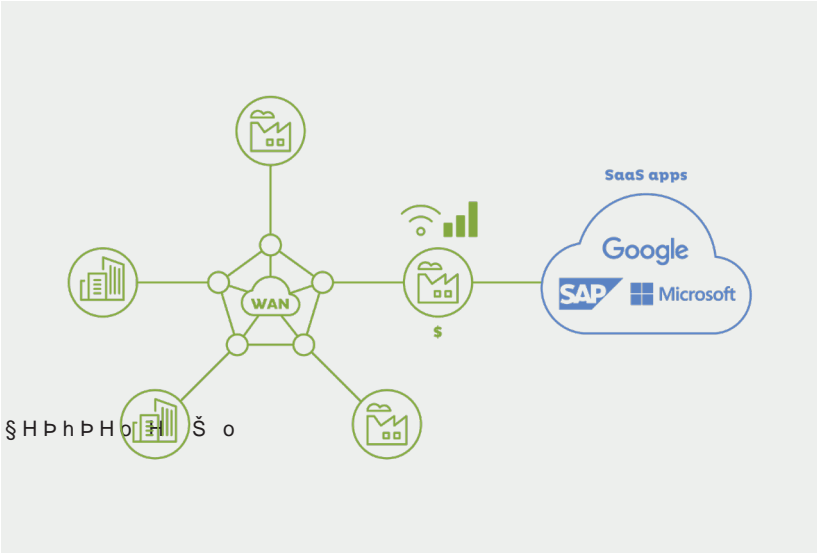
## Unreliable app performance that frustrates users and IT teams

The lack of end-to-end SLA and traffic quality SLA for cloud backbone connectivity contributes to inconsistent application experiences. Poor performance of applications, whether hosted in the cloud or on premises, results in decreased productivity and operational inefficiencies. The IT team is burdened with managing user complaints and troubleshooting application-related issues, impacting overall business performance and employee satisfaction.

Open Systems provides robust connectivity and expert operations for a consistent and optimal application performance. The comprehensive Open Systems hybrid platform spans from on-premises hardware to **WAN backbone as a service** to best fit the organization's requirements instead of force-fitting them to a cloud-only setup. Thanks to a tailored network architecture and state-of-the-art platform, performance is guaranteed end-to-end in any case. For changes and incidents, the Open Systems NOC, staffed 24x7 in a follow-the-sun model with level-3 engineers, takes care of dealing with most cases without need for customer involvement.

Limited security for all users and devices

Legacy technology hinders the safe adoption of Industrial Internet of Things (IIoT) devices by introducing vulnerabilities that could be exploited by malicious actors. Remote user access poses security risks, necessitating the implementation of robust Secure Remote Access and Zero Trust security measures. Additionally, the lack of comprehensive security from within, including inadequate LAN segmentation and Zero Trust protocols, exposes organizations to internal threats. The pains associated with these security challenges include the potential for data breaches, operational disruptions, and reputational damage. Addressing these issues is crucial for ensuring a secure and resilient manufacturing environment.

Open Systems delivers comprehensive security for manufacturing organizations. Thanks to visibility and control systems set at the heart of the OT environments paired with the industry's best practices in terms of securing OT environments, Open Systems provides a Zero Trust approach to securing those critical environments.
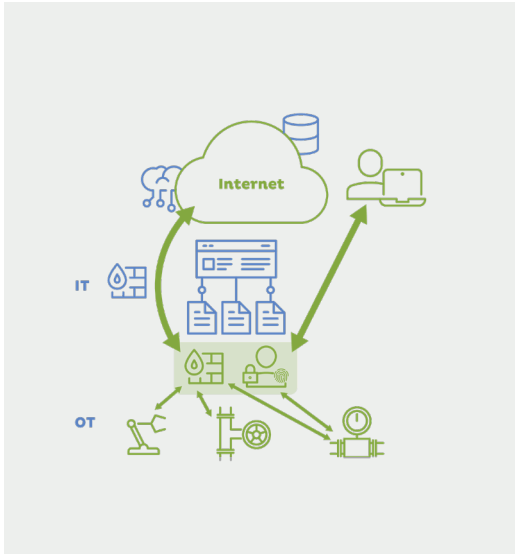
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Open Systems simply connects and secures hybrid environments so companies can focus on meeting their business goals. The Open Systems SASE Experience helps reduce risk, improve efficiency, and accelerate innovation with a comprehensive, easy-to-implement and use combination of SD-WAN and Security Service Edge delivered as a Service with a superior user experience. That's our Service Experience Promise.