

CONSUMER GOODS MANUFACTURING

Enabling network convergence with secure network segmentation and NAT



SITUATION

A global manufacturer of consumer goods with more than 400 plants worldwide was moving from siloed, plant-based networks to a converged network. The company wanted to segment security for its batch production systems, but knew that configuration management for VLANs would be incredibly complex and impractical. Devices within each plant shared the same IP address, so the company also needed an efficient way to create public-facing addresses for each device.

CUSTOMER NEEDS

- No security between individual batch systems and plants
- Overly complex manufacturing network architecture makes network management difficult
- Since most of their plants use the same IP address space, network convergence is extremely difficult because it requires IP address changes

SOLUTION

Tempered Networks' Identity-Defined Networking solution provides secure micro-segmentation to ensure that only batch systems can communicate to the appropriate manufacturing components (PLCs). OT staff has centralized, granular access control that is simple to manage. Instead of having to manually re-assign all IP addresses for each manufacturing component, the company is using Tempered Networks' built-in network address translation (NAT) functionality to translate routable addresses for every device from a single pane-of-glass management console.

BENEFITS

- Reduced errors and time to deploy with intuitive user interface
- Centralized and simplified network and security management has dramatically reduced OpEx
- Improved flexibility for network connectivity and failover with cellular or radio
- Dramatically reduced OpEx with seamless NAT solution that enables manufacturing components to communicate over a converged network, with no need to manually re-IP devices

[Contact us to learn more about how we can help your business and get a no obligation demo.](#)