

CHEMICAL MANUFACTURING

Reducing costs with secure NAT



SITUATION

A global chemical manufacturer that uses mobile, wireless scales within its manufacturing plants needed to overcome the limitations of its static IP addressing. Per industry regulations, each section of every plant runs on a separate VLAN. Their costly industrial scales were tethered to VLANs and shared static IP addresses, making the movement of these devices impossible without IP address changes. Their alternative was to procure more expensive scales for every portion of the plant that needed to use them.

CUSTOMER NEEDS

- Production output was sub-optimal due to equipment limitations
- Mobile scales increased their organization's overall attack surface
- Components with static IP addresses are tied to VLAN and specific devices, which significantly restricts mobility on plant floor

SOLUTION

With the built-in network address translation (NAT) functionality in Tempered Networks' Identity-Defined Networking (IDN) solution, scales can now be moved to any network without the difficulty of having to change the IP address on the device itself. The manufacturer has a simple and effective way to make any wireless scale available throughout the manufacturing plant, reducing the need to purchase additional scales for each segment of factory floor.

BENEFITS

- Heightened security posture with all OT communications encrypted and cloaked within the IDN fabric
- Unprecedented mobility for scales to move within their plant
- CapEx and OpEx savings by leveraging existing investment in expensive scales and reduction in network complexity

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