MANUFACTURING | OT SECURITY

OT network architecture design and rollout for a global food manufacturer

A food manufacturer had set internal KPIs for network architecture compliance but had not kept them current, and needed a partner to design secure OT network segmentation aligned to leading practices and roll it out across its global factories. **Optiv Consulting** delivered the reference designs and guided the implementation.

INDUSTRY	REVENUE	EMPLOYEES	LOCATIONS
Food manufacturing	**$13B**	**23,000**	**22 in scope**

THE CHALLENGE

Network designs varied across sites, and the client wanted consistency that could accommodate many connectivity use cases as it added and acquired factories, all without interrupting production.

OUR APPROACH

- Developed three gold-standard OT network reference architectures.
- Evaluated each in-scope facility for design flaws and built a site-level plan to reach the standard.
- Created management-of-change instructions with the firewall vendor on the client's MOC documentation.
- Guided firewall rule changes and provided post-cutover evaluation and support.

22 factories

Brought toward a common, secure reference design

BUSINESS RESULTS

- Gold-standard designs gave consistency for new and acquired sites and simplified future design work.
- Strengthened the CPwE/Purdue model at the DMZ and Purdue Layer 2.
- Included secure remote access and OT security monitoring, with no interruption to factory operations.

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