



6 IT Security Strategies You Can Adapt for OT Environments

As OT systems connect with IT networks, security gaps are appearing. If you need to help OT leaders adopt a cybersecurity-first approach, change how you talk security.

1

The end-user awareness discussion



Frame the conversation in terms of the risks OT engineers manage. For them, it's about business, operations, and safety.

2

The asset discovery focus

Identify assets in the entire OT network - from OS to software - their communications paths, and their criticality to operations.



3

The network segmentation approach

Use the Purdue model to unpack this. Swap air-gapping for system-to-system connectivity. Build hierarchy with firewalls & controls.



4

The incident management plan

It's all about planning. The OT teams need to agree with the security teams on "who does what" if a breach occurs.



5

Access Controls

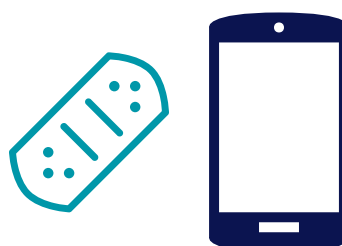
IAM (e.g. access requirements syncs, MFA) should be implemented. But reduce risk by using different remote access solutions for IT and OT



6

Vulnerability and patch management

It's a nonnegotiable: You can't ignore patch management for OT. Complement patches with compensating controls e.g. isolation, privileges.



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info@kudelskisecurity.com | www.kudelskisecurity.com