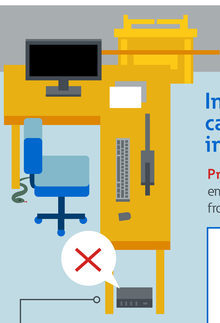
Powering Business Worldwide

Bringing IT to OT: how to avoid the hidden traps

Manufacturing environments are tough on IT equipment. Are there booby traps like bottomless chasms, flying darts and pits of molten ore? No (well, sometimes yes for the latter). But in harsh industrial conditions, where maintaining uptime is a must, IT professionals constantly guard against wear and tear, even while optimizing for the future. Luckily Eaton is here to help you create a newer, more productive era of manufacturing IT.

We've hidden four artifacts from our new text-based game, *Server Room of Doom* — and you don't need to be a fedora-wearing archaeologist to find them.

Do you have the IT skills to escape the *Server Room of Doom?* Play now to find out: Eaton.com/Doom



1 Industrial server rack cabinets and SmartRack industrial enclosures

Problem: Standard IT rack enclosures offered little protection from dust, debris and spills.

Solution: IT equipment is safely enclosed in racks rated for tough industrial settings.

2 Industrial USB hub

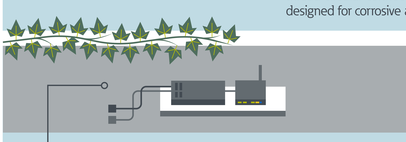
Problem: Hubs connecting external hard drives, industrial printers, barcode scanners and more were disabled by electrostatic discharges and other industrial conditions.

Solution: Equipment is connected via tough industrial hubs with metal housing and enhanced ESD immunity.

3 Industrial copper and fiber network cables (including IP68-rated USB, Ethernet and HDMI cables)

Problem: Standard network cables degraded when subjected to vibrations, humidity or temperature extremes.

Solution: Industrial-strength cabling stands up to the roughest treatment, with locking-thread circular connectors specially designed for corrosive applications.



4 Wireless access point enclosures

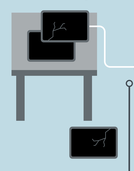
Problem: Wireless equipment wasn't secured, protected from the elements or able to be deployed.

Solution: Wifi equipment is protected, organized neatly and stored out of the way.

5 Charging stations

Problem: Charging for tablets, phones and other handheld devices was haphazard and unsecure.

Solution: Devices charge simultaneously, with zero clutter; large casters make the cart easy to maneuver.



6 Industrial network switches

Problem: Switches contended with high temperatures and space constraints.

Solution: Industrial-grade switches tolerate high temperature ranges and expand Ethernet connectivity with space-saving wall or rail mounting.

7 DIN rail UPS and surge protection solutions

Problem: Standard products couldn't withstand harsh environments, leading to costly outages.

Solution: Rugged rail mounting allows for installation near protected devices, increasing the level of protection from surges and vibrations.

8 Surge protectors

Problem: Vital equipment was left exposed and vulnerable to harmful power surges.

Solution: Sturdy surge protectors offer increased protection and visibility in unpredictable environments.

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