How Cybrary Helps Manufacturers Complete Their Cybersecurity Checklist

Threat actors are increasingly targeting the manufacturing industry, but that doesn't mean you have to stay vulnerable. Learn the steps you can take to secure your organization — and how Cybrary will give your people the knowledge, skills, and training they need to keep you safe.

Why Manufacturers Are Facing More Threats

Manufacturing faces more digital attacks each year than any other industry. According to the IBM X-Force 2025 Threat Intelligence Index, manufacturers endured 26 percent of all cyber incidents in the past year, including a rise in ransomware despite its decline in other industries.

But none of this happened overnight. Here are some reasons why manufacturing has become such an attractive target to digital thieves in recent years.

1 **Legacy technology**

Older legacy infrastructure often means inadequate security, which can leave manufacturers increasingly vulnerable to attacks.

2 **Long supply chains**

Because manufacturers work with many companies across their supply chain, an attack on one can easily translate into an attack on them.

3 **Interconnected systems**

As more manufacturers introduce IoT devices and blur the lines between IT and OT, they are also expanding their attack surface for potential threats.

4 **Expensive downtime**

Downtime is always expensive, but this is especially the case for manufacturers — a fact that digital threat actors have been eager to exploit.

Steps Manufacturers Can Take to Secure Their Business

Manufacturers may be facing an increased number of attacks, but that doesn't mean they are helpless. Here is a checklist of three key steps manufacturers should take to protect their data and infrastructure from future cyber attacks.

Strengthen Endpoint Protection

Endpoints include laptops and servers, as well as OT devices like scanners, controllers, and cameras. Because these are favorite entry points for threat actors, manufacturers must secure them through patch management, assessments, and continuous monitoring.

Secure Supply Chains

Complex supply chains give attackers multiple entry points into manufacturing operations. To mitigate these threats, manufacturers must implement third-party risk frameworks, monitoring tools, and clear security requirements for vendors.

Segment Networks

Network segmentation prevents breaches from spreading, like quarantining limits disease transmission. Manufacturers can use firewalls between IT and OT networks or air-gap critical systems from external networks entirely.

Complete Your Cybersecurity Checklist with Cybrary's Comprehensive Training

Even with the strongest security measures in place, your own employees can still leave you vulnerable. In fact, insider threats and human error account for the vast majority of cyber incidents — as much as 95 percent. This makes continuous awareness and training an essential part of your cybersecurity checklist.

With our expert-curated curriculum and diverse selection of training paths, Cybrary can be the critical tool you need to make your manufacturing organization more secure.

Support compliance with industry regulations

Our curriculum aligns to MITRE ATT&CK, the NICE Cybersecurity Workforce Framework, and DoD 8140.

Upskill incident handling and response teams

Improve response against ransomware attacks, supply chain disruption, phishing, and more.

Access practical training and hands-on simulations

Our practical skill training with industry frameworks provides realistic scenarios designed to build real skills.

Train your team to keep up with threats

Ensure your employees can mitigate any threat using the latest techniques and attack scenarios.

Help your employees master the material using our intentional learning approach.

Learn

Study core concepts and get hands-on with key skills in a series of courses and labs.

Practice

Exercise your problem-solving and creative thinking skills with security-centric puzzles.

Prove

Demonstrate your mastery of each topic by completing a series of assessments.

Curated Career Paths give your team a roadmap to success and support career achievements.

Hands-On Certification Prep includes everything your employees need to ace the exam.

Topic-Specific Skills Paths test your team's abilities and keep their reflexes sharp.

Goals and Assignments keep your team on track and highlight their progress to admins.

Skills Assessments not only identify learning gaps, but also offer your team curated content suggestions to remediate these gaps and allow them to demonstrate their mastery of key topics.

Cybrary's Forums are a space to exchange ideas, get career advice from seasoned professionals, and gain insight into certification prep tips and tricks.