Securing the Smart Factory

Industry 4.0 is transforming the manufacturing sector with Industrial Internet of Things (IIoT) technologies like construction robotics and smart assembly lines, and producing big benefits for the plants that adopt them…

WORK SAFE
SAFETY STARTS WITH YOU!

Safer working conditions

▶ **Every 15 seconds, 151 workers have a work-related accident**. Industrial IoT solutions for manufacturing help businesses address the safety issues and help to mitigate **$220 billion** of annual worker injuries and illness costs.

Cost savings

▶ IoT applications in manufacturing are expected to generate **$1.2 to $3.7 trillion** of economic value annually by 2025.

▶ **$160 billion to $930 billion** savings: potential impact on worksite operations optimization and health/safety by 2025.

Improved operating efficiencies

35% of manufacturers in the US have started utilizing data collected by smart sensors to streamline the manufacturing process.

Companies expect a total of **12% efficiency gains** over five years thanks to **Industrial IoT technology**.

But for all its merit, inviting IIoT onto factory floors also opens the doors to new challenges…

▶ Only **10%** of IoT device manufacturers report feeling **fully confident** their devices have **adequate security** protocols in place.

▶ **50%** of executive concerns around IoT are related to an "**absence of industry-wide IoT standards**, coupled with **security**, interoperability, and cost considerations."

▶ With the rise in attacks on vulnerable IoT, **regulatory compliance** is beginning to take shape. For example, California has approved an IoT security bill that sets minimum security standards for IoT devices.

The appeal of IIoT in Industry 4.0 is undeniable – as is the risk. In order to harness the potential of IIoT safely, organizations must look for products that anchor security to the innovation. WatchGuard solutions protect manufacturing facilities every day – from IIoT networks and endpoints to Wi-Fi and authentication. Chat with one of our Solution Consultants today to learn more about securing your smart factory.

Avnet, "Leverage the Internet of Things to Set Up a Smart Factory"
Shoplogix,
Science Soft, "IoT in Manufacturing: The Ultimate Guide"
Science Soft, "IoT in Manufacturing: The Ultimate Guide
IoT For All, "The Current State of IoT Cybersecurity"
Proofpoint, "IoT Statistics"

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