The Industry 4.0 era of manufacturing is being driven by the growth in device connectivity – The Internet of things (IoT).

In manufacturing, this creates: **Intelligent cyber physical systems** – connecting machines, work and systems for lean, lower cost manufacturing.

The transformation to Industry 4.0 will increase cyber risk, say 48% of manufacturers. A threat to 1 is a threat to all and they are increasing.

In one year, there was a 285% increase in disclosed ICS vulnerabilities. 1 in 5 spear-phishing attacks against manufacturers in 2014 (up from 13% in one year).

A 38% jump in total financial losses due to security breakdowns.

**STRENGTHEN YOUR CYBER RESILIENCE**

1. Securely converge Office IT and OT systems
2. Plan your risk management strategy in advance
3. Protect confidential information and intellectual property
4. Include business partners in your cyber risk program
5. Securely manage IoT devices
6. Guard industrial control systems linked with physical world

**Symantec’s Unified Security Strategy**

Pre-assembled tools and solutions to secure manufacturing processes + manufactured goods.

**Threat Protection**

Endpoints/Data Center/Gateways.

**Information Protection**

Data/Identities.

**Cyber Security Services**

Helping companies fill the cyber skills gap. Faster detection of incidents and breaches.

**MANUFACTURING IS TOP TARGET FOR HACKERS**

**SPEAR PHISHING ATTACKS**

- Automotive manufacturer: Targeted emails stole employee login credentials.
- Engineering and electronics firm: Infected USB took control of SCADA systems.
- Video camera manufacturer: Retained login information used to steal new product info.
- German steel mill: Access plant’s office network and then production systems to sabotage equipment.

**WORM**

- Engineering and electronics firm: Infected USB took control of SCADA systems.

**CYBER ESPIONAGE**

- Video camera manufacturer: Retained login information used to steal new product info.

**CYBER SABOTAGE**

- German steel mill: Access plant’s office network and then production systems to sabotage equipment.

**FIND THE FASTEST ROUTE TO IMPROVING YOUR CYBER SECURITY IN THE AGE OF INDUSTRY 4.0. READ OUR SOLUTION BRIEF**

1. Gartner Symposium/ITxpo 2015
2. Strategy& and PWC: Industry 4.0 & Opportunities and Challenges of the Industrial Internet, 2014
3. Deloitte: Industry 4.0 Challenges and Solutions for the digital transformation and use of exponential technologies
4. Symantec ISTR Reports 20 & 21
5. U.S. Department of Homeland Security
7. Global Cyber Executive Briefing: Lessons from the front lines, Deloitte, 2014
8. Annual report, German Federal Office for Information Security (BSI), December 2014