Capgemini RESEARCH INSTITUTE

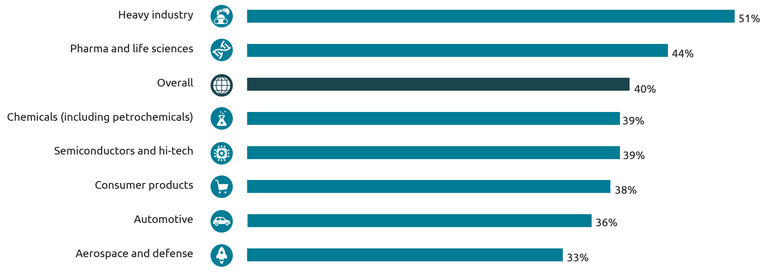
built to defend

SMART & SECURE: WHY SMART FACTORIES NEED TO PRIORITIZE CYBERSECURITY

Smart factories: The new frontier in cyberspace

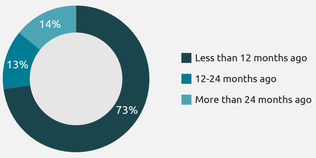
40% of organizations have been victim of a cyberattack that impacted their smart factories

Has your organization been a victim of a cyberattack that impacted your smart factories?



Source: Capgemini Research Institute, Cybersecurity in smart factories survey, October–November 2021; N=950 organizations.

When did the last cyberattack take place?



Source: Capgemini Research Institute, Cybersecurity in smart factories survey, October–November 2021; N=950 organizations

Organizations agree that cybersecurity is a critical component of smart factories

80% Share of executives who view cybersecurity as a key component of a smart factory

Source: Capgemini Research Institute, Cybersecurity in smart factories survey, October–November 2021; N=950 organizations.

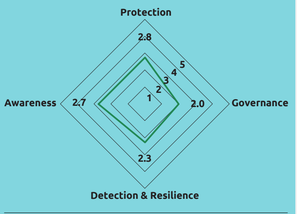
Current levels of cybersecurity preparedness are low

Protection — Building comprehensive cybersecurity preparedness across all five levels of a smart factory, from Level 0 (production process control) to Level 5 (business planning and logistics control)

Governance — Making cybersecurity in smart factories a C-level concern, with senior leaders setting OT and IIoT priorities and mandates

Detection & Resilience — Implementing advanced monitoring and detection to track security of critical resources and minimize incident-discovery times and develop mature cyberattack resilience mechanisms to counter cyberattacks effectively

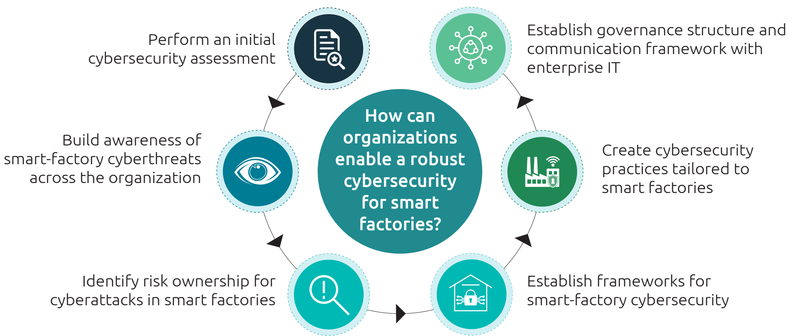
Awareness — Ensuring access to real-time information pertaining to current threats and historical threat data and preparing the organization using key smart-manufacturing use cases to protect against critical cyberthreats



Scale
1 = Very low level of preparation,
2 = Low level of preparation,
3 = Medium level of preparation,
4 = High level of preparation,
5 = Very high level of preparation

Source: Capgemini Research Institute, Cybersecurity in smart factories survey, October–November 2021; N=950 organizations.

How can organizations implement robust cybersecurity in smart factories?



Source: Capgemini Research Institute Analysis

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