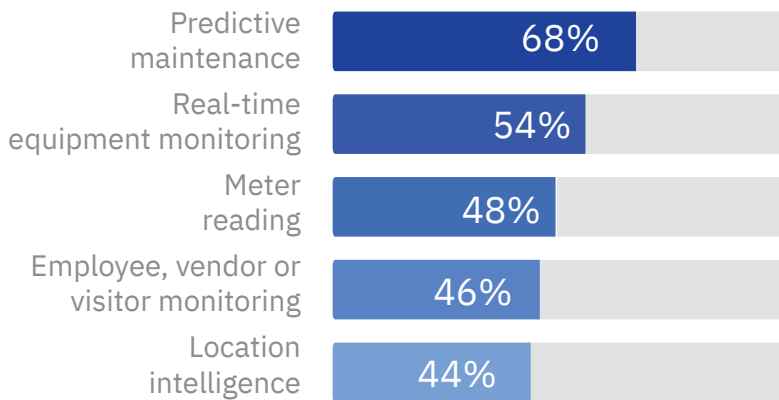


# Cyber attackers don't wait

Effective security is essential for industrial products manufacturers to protect their IoT deployments

IoT is widely adopted in industrial product manufacturing operations



But their IoT networks are vulnerable



98% of IoT deployments are occurring without a full quantification of the risk



50% say the greatest challenge to securing their IoT deployments is the inability to identify and prioritize threats



On average, it takes **28 days** to detect, respond to and recover from IoT cybersecurity incidents

Catch up to the threat



Manage IoT security risk at an enterprise level



Break down the silos between IT and OT organizations



Use practices and protective technologies to mitigate IoT security risks

We identified nine practices and technologies that differentiate top IoT security performers

## Critical security controls

1. Inventory of authorized and unauthorized software

## Operational and technical practices

2. Clear SLAs for security and privacy
3. Automated scanning of connected devices
4. Devices with built-in diagnostics to detect malfunctioning
5. Secure and hardened device hardware and firmware

## Cognitive practices

6. Advanced behavioral analytics for endpoint attack/breach detection and response
7. AI technology for real-time security monitoring and/or responses to threats

## Protective technologies

8. IoT device user privacy controls
9. IoT authentication

Can you reduce the risk of IoT in your operations?  
To learn more, visit: [ibm.biz/iotthreats](http://ibm.biz/iotthreats)