

Journey to smart connected operations / Industry 4.0

New risks with digital transformation



#### **Cyber Risk**

- Security and in consequence safety incidents
- Cyber threats
- Risk to business continuity



# OT is uniquely susceptible to cyber attacks

- Historically insecure by design
- Vulnerable to "spillover" attacks from IT
- Desirable targets for threat actors

# High potential for significant negative impact

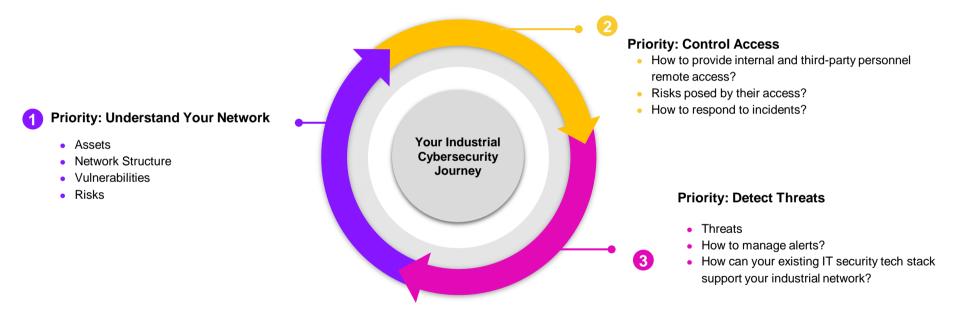
- Downtime & operational disruption
- Financial & reputational damage
- Compliance violations
- Safety risk



### **Attack Scenarios**

- Stealing computing resources
- Manufacturing Capability
- Manufacturing Process Integrity
- Manufacturing Process Safety

### Meeting Customers on their Industrial Cybersecurity Journey Claroty's Approach Based on Enterprise Maturity and Priorities



**Customer Needs driving Digital Transformation** 



#### Safety

- Reduce risk of security and safety incidents
- Eliminate cyber threats
- Improve business continuity



#### Reliability

- Increase uptime
- Improve yield
- Increase equipment
  efficiency



### **Productivity**

- Reduce production cost
- Improve field workforce
  effectiveness
- Streamline supply chain

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**Customer Needs driving Digital Transformation** 



**Assets & Network** 

- Hollistic view on Assets
- Identify obsolete assets
- Change management
- Unremedied asset vulnerabilities

Reliability

Increase equipment

Increase uptime

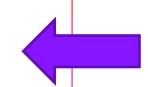
Improve yield

efficiency

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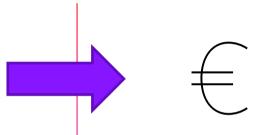
- Basis for pro-active approach in risk mitigation
- Make workload in maintenance windows predictable
- Information at the right place time to reduce response times

**Customer Needs driving Digital Transformation** 



**Process** 

- Procurement: Create supplier visibility and compliance
- Maintenance: Enable team to monitor asset health
- Corporate: Leverage information for other processes in Enterprise
- Plant Engineering: Optimisation of converged IT and OT networks
- Quality Assurance: Leverage production process change monitoring
  as preventive measure



### **Productivity**

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### Asset Data – Why it matters Reducing Risk is not only about Cyber Security

