# EVIDEN

# Securing the Future of Manufacturing Excellence

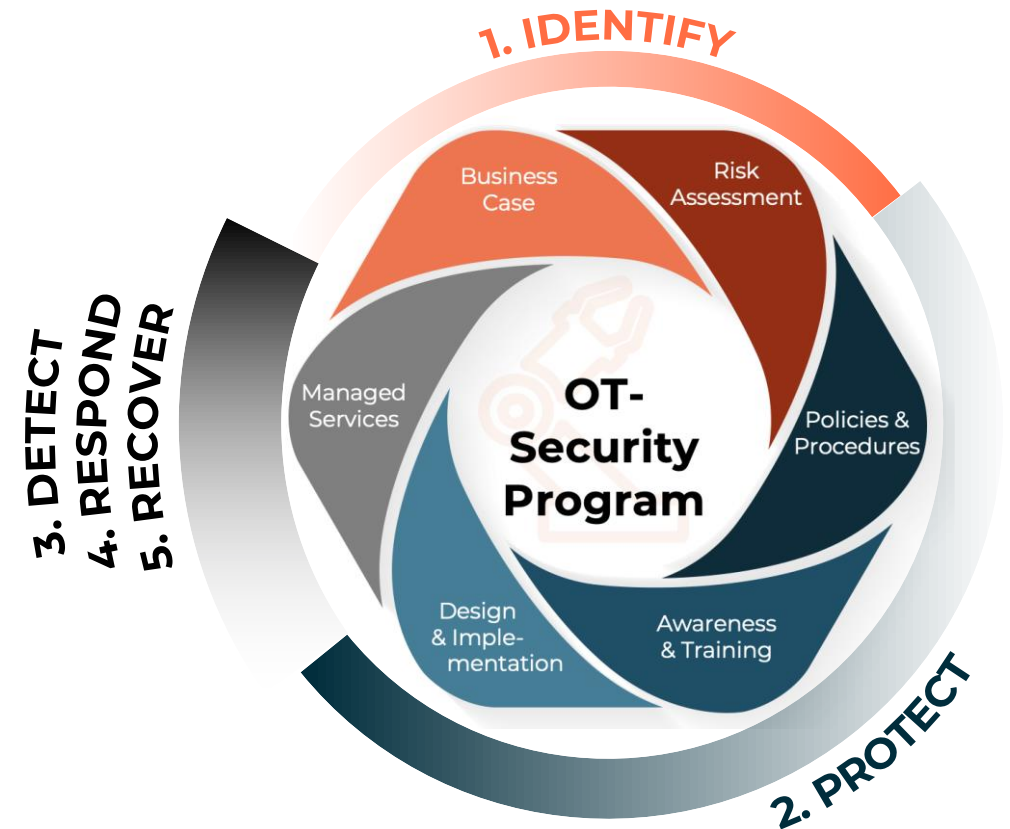Comprehensive Approach to Operational Technology Security

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# Transforming Your OT Security Journey

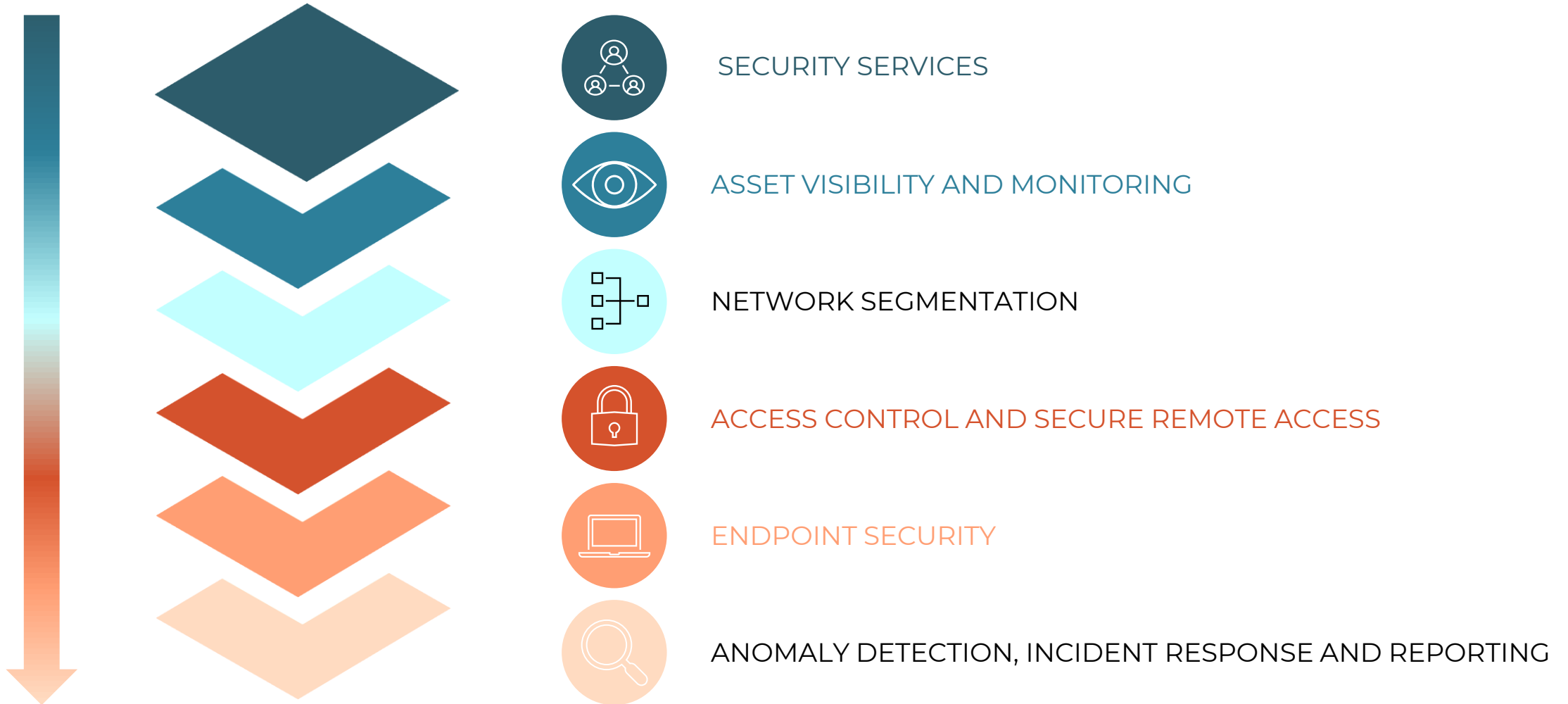## A Tailored Approach Leveraging Best Practices for Automotive Excellence

In the age of smart manufacturing and connectivity, cybersecurity is an operational imperative, not just an IT concern. That's why we focus on a holistic approach, incorporating the NIST Cybersecurity Framework and other frameworks, with additional tailoring for the automotive industry, by following best practices:

1. **Business Case**: We start by establishing the compelling financial and operational reasons for elevating OT security. In an industry where a single breach can cost millions, the business case is clear and straightforward.

2. **Risk Assessment**: Our team conducts specialized vulnerability assessments, focusing on both manufacturing processes and vehicle technologies. We also ensure you meet automotive-specific security standards like ISO/SAE 21434.

3. **Policies and Procedures**: With a focus on zero-trust architecture and data governance, we outline robust policies tailored for the complexities of the automotive sector.

4. **Awareness and Training**: We don't just set it and forget it. Our program includes automotive-themed specialized training for your OT engineers to build a security-conscious culture.

5. **Design and Implementation**: Our implementation stage includes converging IT and OT cybersecurity measures under a specialized Security Operations Center (SOC). This SOC is unique in its focus on automotive-specific risks.

6. **Managed Service**: We offer end-to-end security management services, which includes constant vigilance through 24/7 monitoring of your automotive OT environment.
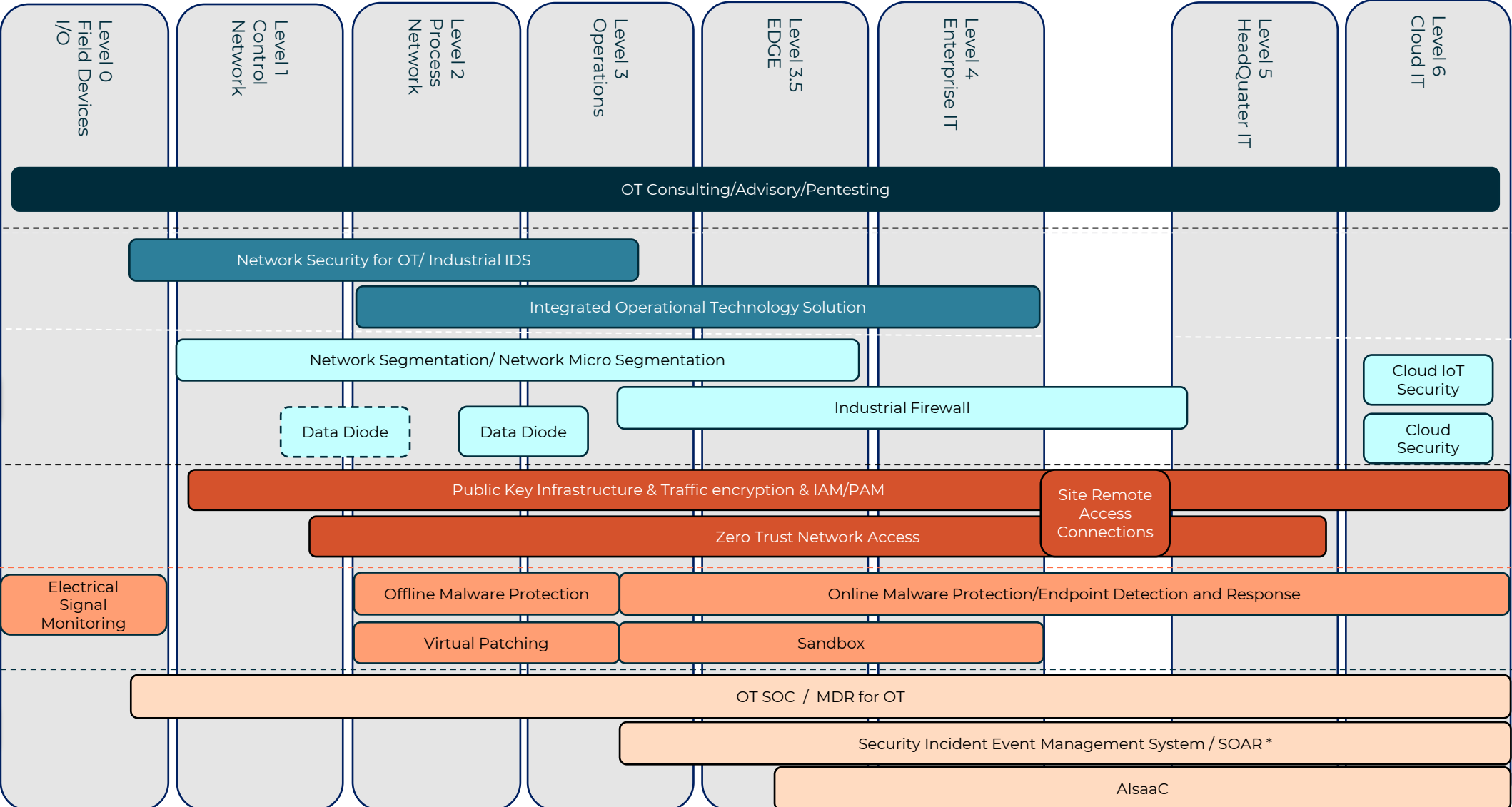


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# OT-Security in Layers

## Defense in Depth

SECURITY SERVICES

ASSET VISIBILITY AND MONITORING

NETWORK SEGMENTATION

ACCESS CONTROL AND SECURE REMOTE ACCESS

ENDPOINT SECURITY

ANOMALY DETECTION, INCIDENT RESPONSE AND REPORTING

# IoT & OT Solution Landscape



| | Level 0 Field Devices I/O | Level 1 Control Network | Level 2 Process Network | Level 3 Operations | Level 3.5 EDGE | Level 4 Enterprise IT | Level 5 HeadQuater IT | Level 6 Cloud IT |
|---|---|---|---|---|---|---|---|---|

**Cat 1. OT Security Services** — OT Consulting/Advisory/Pentesting

**Cat 2. OT Network Monitoring and Visibility** — Network Security for OT/ Industrial IDS; Integrated Operational Technology Solution

**Cat 3. OT Network Segmentation** — Network Segmentation/ Network Micro Segmentation; Industrial Firewall; Data Diode; Data Diode; Cloud IoT Security; Cloud Security

**Cat 4. OT Secure Remote Access and Access Control** — Public Key Infrastructure & Traffic encryption & IAM/PAM; Zero Trust Network Access; Site Remote Access Connections

**Cat 5. OT Endpoint Security** — Electrical Signal Monitoring; Offline Malware Protection; Online Malware Protection/Endpoint Detection and Response; Virtual Patching; Sandbox

**Cat 6. Anomaly Detection, Incident Response and Reporting** — OT SOC / MDR for OT; Security Incident Event Management System / SOAR *; AIsaaC

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# OT Security Potential with Eviden's Expertise

## A Complete OT Security Portfolio: Consulting to Incident Response, Tailored for Automotive Excellence

### 1. Get Visibility

- Asset Discovery
- Communication Relationships in OT
- Organizational/Process Assessment

### 2. Know your Risks

- Adaption of existing Risk Management Processes
- Rating of identified Risks
- Assessment and Rating of Vulnerability Criticality

### 3. OT-Security Strategy

- Risk Mitigation Strategy
- Prioritization (Risk reduction, Cost, ..)
- Compliance requirements
- Continuous improvement strategy
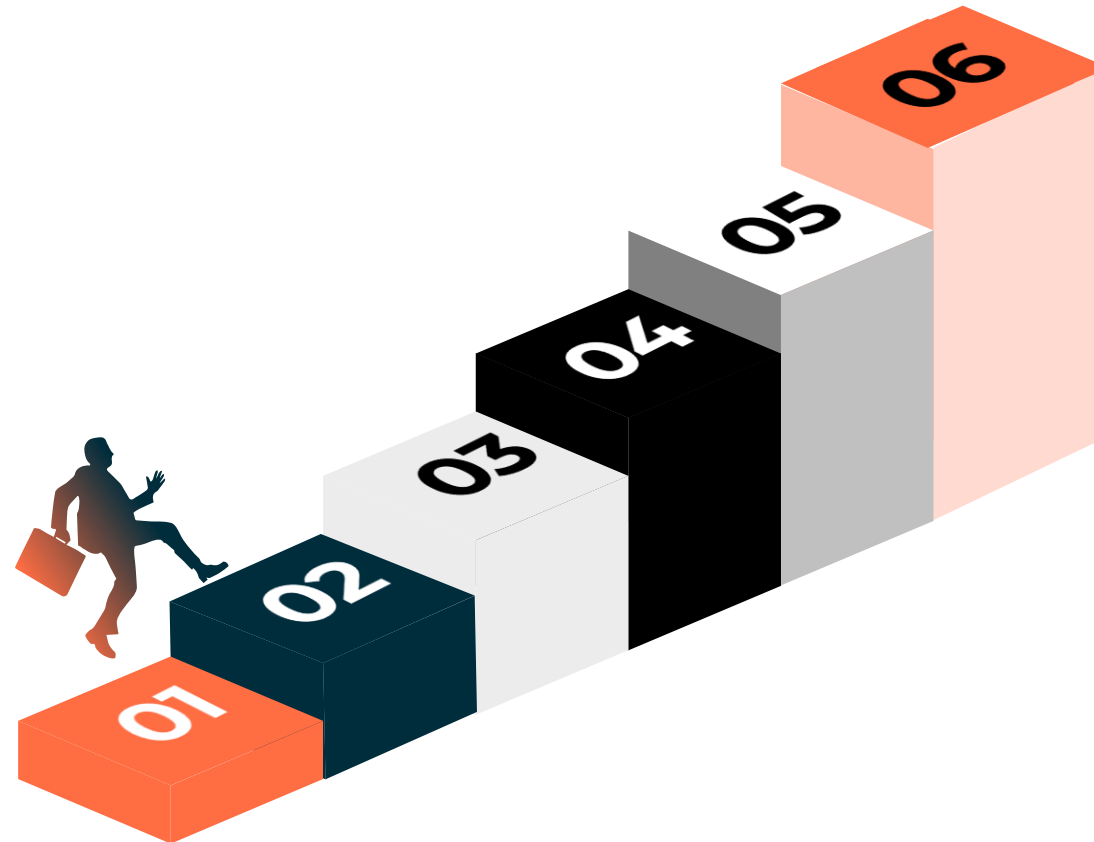
### 4. Mitigation of Top Risks

- Network Segmentation
- Secure Remote Maintenance Access
- OT Threat Detection
- OT Device /Endpoint Security

### 5. Long Term Planning

- Implementation of further measures
- OT Cybersecurity Awareness
- OT Security Processes

### 6. OT Security Operation

- OT SOC
- Incident Response
- Continuous Vulnerability Assessment



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# Thank you!

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