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ADVANCED

THREAT

INSPECTION

A holistic service for assessing vulnerabilities and risks of software, hardware and services



Your business is under attack! Are your doors locked?

More than a pentest

Advanced Threat Inspection gives you an independent security verification of your digital products and services

	Regular Pen Test	Advanced Threat Inspection
(Automated) Vulnerability Scanning	0	
Vulnerability Report	0	Statistics
Vulnerability Rating	0	
Remedition guide for known vulnerabilities	Ø	
Standardized procedure model	Ø	
Secured flight recording	Ø	
Post execution cleanup process	Ø	
Custom exploit development		
Proof of exploitation (video, screen captures)		
20+ page technical report		
Client-specific recommendations on resolution		Solution
Individual debriefing with security engineer		
Executive summary		
Possible Add-Ons ⁺		
FOSS (Free & Open Source Software)		
Custom phishing campaian		
Cloud security compliance assessment		
Code security review		→*
OWASP ASVS Testing		
Resolution support for identified vulnerabilities		✓*

Special Features



20 + pages technical report

including vulnerability and exploitation details and recommendations on resolution



Custom exploit

Development and proof of exploitation for realistic, client-specific impact analysis



Individual Debriefing

Individual debriefing session with security engineers and target client audience (developers, operations,...)



Security with System

Our systematic approach ensures effective and careful execution for every inspection



Targets, objectives and general conditions are defined during a scoping interview. Information about the
targets is passivelyA
is
collected and used to
tidentify possible attack
vectors.

All gathered information is consolidated and used to create a customized attack model which gets approved by the client within the "Letter of Authorization". Active information gathering is performed through automated and manual scans for vulnerabilities and additional system properties. Customized exploits are developed and executed, and findings documented. The findings are analyzed, documented and rated, and all activity traces on the targets removed. The inspection report is generated and the findings and recommendations are explained in a personal debriefing session.

Pricing

Depends on your individual needs

Our security inspections are customized to the requirements of our clients and cater to their specific needs.

That is why a price can typically be provided after a first discussion about scope, width and depth.

To give an indication, here are three anonymized real-life projects and their costs.

Recurring inspections can be done more efficiently due to lower organisational overhead, and the cost savings are passed on to our clients.



Public Attack Surface Black-box ATI Execution time: 2 weeks

Source code review +

White-box ATI

Execution time: 3 weeks

Internal attack surface

Grey-box ATI

Execution time: 5 weeks

10 public IPs with 2 low-complexity webservices



EUR **5.600**

Key facts:

Fee:

- In-depth black box inspection by OSCP-certified security professionals
- Testing exposed webservices for OWASP Top 10 & Web security testing
 Identification and unification of unlear hiliting and misconfiguration
- Identification and verification of vulnerabilities and misconfiguration

High-complexity web app + APIs

EUR **15.000**

Key facts:

Fee:

- Collaborative source code review based on OWASP ASVS
- Testing web application based on OWASP Top 10 & API testing project
- Active exploitation of vulnerabilities and proof-of-concept demo

Headquarter and 5 branch sites



Key facts:

- In-depth grey box inspection by OSCP/OSWP-certified security professionals
 - Simulation of successful employee PC takeover and perimeter breach
- Identification and verification of vulnerabilities and misconfiguration
- Detailed inspection and risk rating for high-value target systems



EUR 20.000,00

EUR 30.000,00

Some of our projects in the last 12 months



optimisation was underpinned through their vast technical know-how to demonstrate various risk scenarios.

Thanks to these findings we can *now better protect our products* and develop them in a more secure way going forward."

Member of the executive board, CMO Saubermacher Dienstleistungs AG

BearingPoint_®

Inclustrical Security Solution

Introducing the best of OT security on a stand-alone hardware - to push your security to the next level and prepare you for the threats of tomorrow

We help you prepare for unwanted guests

BearingPoint Industrial Security Solution (ISS)

An all-in-one, modular and independent OT security solution that addresses the challenges of tomorrow



Security challenges of industrial environments

The industrial and manufacturing industry has become the most attacked sector in recent years, but also faces the most limitations when adapting new security mechanisms

Visibility



Operators of modern industrial environments require **real-time visibility** of all components, their **potential vulnerabilities and network activities** in order to efficiently protect against cyber threats. The majority of industrial environments today does not have technology in place to quickly identify risks and anomalies.

Connectivity



Securing, controlling and auditing remote access for maintenance and development purposes is one of the key activities to protect against unwanted activities on core components. Many of the used technologies today do not offer sufficient security to prevent malicious activities or uncontrolled access.

Control



The ability to quickly eliminate new vulnerabilities and risks and control network and automation traffic in a granular way is a challenging task in industrial environments, where architectural and functional changes can often not be implemented in a timely manner due to availability and safety constraints.

Flexibility



Industry 4.0 drives the adoption of new technology and service models, but often requires investments in infrastructure. Each new solution demands compute resources and connectivity, but budgets are often tight when it comes to investments for exisiting plants. Operators are looking for easy and cost-efficient ways to implement Industry 4.0 use cases in a flexible and fast manner.

Our ISS significantly reduces the risk of successful OT-attacks

- Separation and protection IT/OT
- 2 Virtual Patching and Intrusion Prevention
- 3 Secure Remote Access solution for OT
- Securing data traffic (anti-virus, malware, botnet, ...)
- Segmentation of production network to contain and control traffic
- 6 Identification of all assets, their vulnerabilities and communication channels
- Monitoring of process flows and detection of anomalies



We only use the best tech on the market

An all-in-one package that combines leading technology in an independent and modern architecture



Features and capabilities

The combination of powerful feature sets makes ISS the ideal OT security problem-solver



Secure & Control Remote Access

- Easy and granular approval process for remote connections (assets, time, purpose)
- Supports application tunnel for propriatery protocols (e.g. PLC direct connection)
- File transfer support
- Multi-tenancy support; IEC 62443 compliant

Usability

- Web-based access (no client required)
- Easy-to-use UI and simple target selection
- Central authentication support (SAML, AD, ...)

Security

- Reverse-SSL tunnel, no inbound connections
- Multi-factor authentication
- Emergency disconnect option

Traceability

- Detailed Audit Logs
- Over-the-shoulder monitoring
- Session and video recording



Asset discovery

- Cloud-based (xDome) or on-premise (CTD) management
- 450+ protocols
- Full visibility across OT environments
- Multiple discovery methods (active/passive)

Vulnerability & Risk Management

- Discovery, enriches and correlates assets
- Custom risk scoring for easy prioritization
- Integration with 3rd party tools (e.g. SIEM)

Network Protection

- Automated segmentation policy creation
- Automated policy compliance monitoring
- Integrates with Claroty Secure Remote Access

Threat Detection

- Custom monitoring for industrial environments
- Threat alerting and false positive elimination
- Identify and remediate attack vectors



Award-winning security

- Gartner Security leader since 1997
- Forrester Wave Leader for enterprise firewalls
- 20 times NSS labs "Recommended"
- Full feature set in a tiny package

Lightweight

- Virtual machine designed for the WAN edge
- Supports inbound and outbound traffic inspection
- Automated site onboarding

OT problem-solver

- Virtual patching of vulnerabilites
- Rule-based limitation of traffic flows
- Traffic inspection for OT threats
- Remediation support based on xDome telemetry
- Segmentation and IT/OT separation support
- Cloud-hosted central management support

Deployment options and data flows

The solution can either be run on independent hardware, or integrated into an existing VM infrastructure



BearingPoint_®

Think digital. Act agile. Manage innovation.

Together we are more than business

BearingPoint is an independent management and technology consulting firm with European roots and a global reach.

We maintain offices in more than 40 locations and with 5500 employees we develop innovative strategies for new and existing business models and design and implement digital solutions and services for leading companies and public institutions.

With our competencies in management consulting, agile transformation, technology-based business services and smart BearingPoint software solutions, we develop innovative business models together with our clients and partners. BearingPoint's clients include leading companies and organizations.

The global BearingPoint network with more than 10,000 employees supports clients in over 75 countries and is actively committed to measurable and sustainable business success.



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