AHK German American Chambers of Commerce Deutsch-Amerikanische Handelskammern

TeleTrusT Pioneers in IT security. IT Security Association Germany

German-American IT Security Forum

IT Security Association Germany (TeleTrusT) in cooperation with GACC – German American Chamber of Commerce

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Automated Product Cybersecurity Compliance Management in the light of increased legal regulations and liabilities

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Challenge vs. Demand vs Solution

Challenge

- +40 bn connected devices in 2025*
- Complex technology stacks
- Manual analysis are time consuming & expensive
- Increasing regulations, i.e. EU Cyber Resilience Act, Biden Act

Limited resources, time consuming, expensive!

Demand

- Continuous 24/7 visibility of IoT/IIoT/OT risks
- Auditable software supply chains (SBOM)
- Reduce cost & efforts for product cybersecurity compliance

24/7 full risk visibility & compliance automation!

Solution

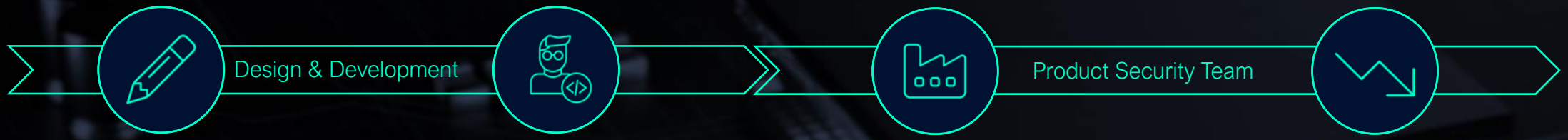
- Automated vulnerability detection** automates SW analysis
- Automated Software Bill Of Materials (SBOM)
- 24/7 risk monitoring
- Compliance automation by patent pending virtual assistant

Automated, highly scalable, 24/7/365 available!

**Artificial Intelligence using Natural Language Processing (NLP)

*Source: Statista 10/2021, ISC2.ORG Cybersecurity Workforce Study

Manufacturer's (cybersecurity & compliance) **view on the entire product lifecycle.**



Design

Security check of third-party components in design phase

Development

Continuous check on security & compliance for pre-release software

Process self-assessment or obtain certification

Production

Transparent, software supply chain (SBOM)

24/7 vulnerability monitoring for PSIRT* over entire lifecycle

End-of-Life

Risk & vulnerability status information for end-of-life products

*PSIRT = Product Security Incident Response Team

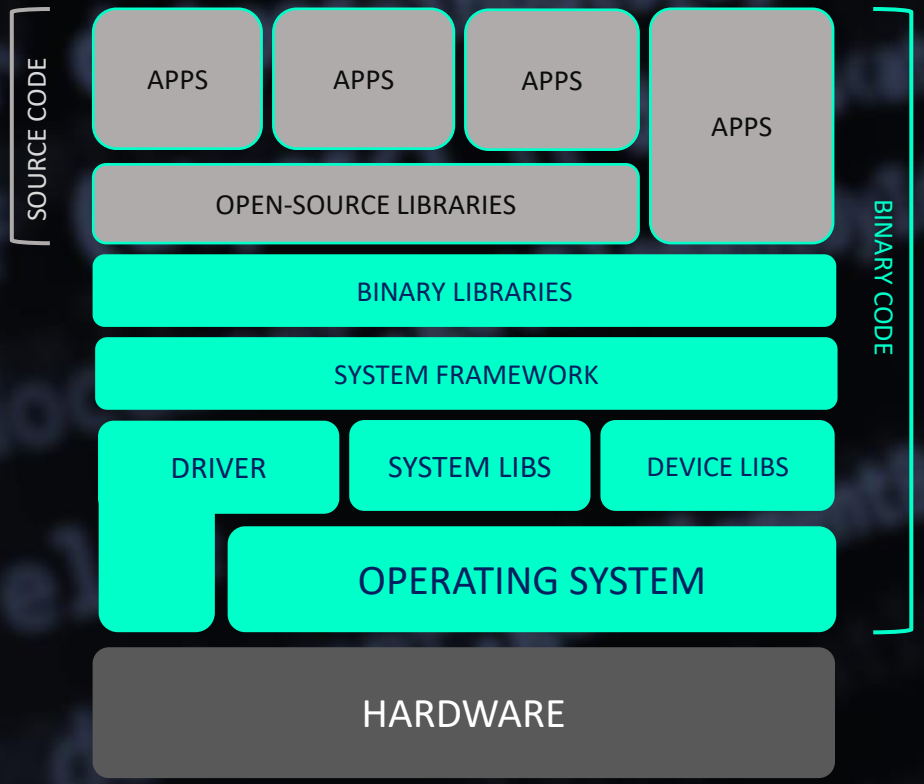
Why do you need full depth components transparency?

Binary analysis is going beyond source code – it covers full software stack

- Verify & enhance supplier's SBOM information
- Source code component list information does not cover binary blocks & content
- Avoid incomplete SBOMs due to missing or incomplete third-party information

Why do you need to look beyond source code?

VERACODE
Checkmarx
GitLab
Qualys.
SENTINEL Dynamic
Contrast SECURITY
ImmuniWeb® AI for Application Security



The vendor is liable for the compliance & security for the full code stack.

Source code analysis is limited to applications & open source

Full binary BINARY image represents full stack

Secure software supply chains with automated SBOMs

from binary image analyses

Regain & maintain control over your software supply chains

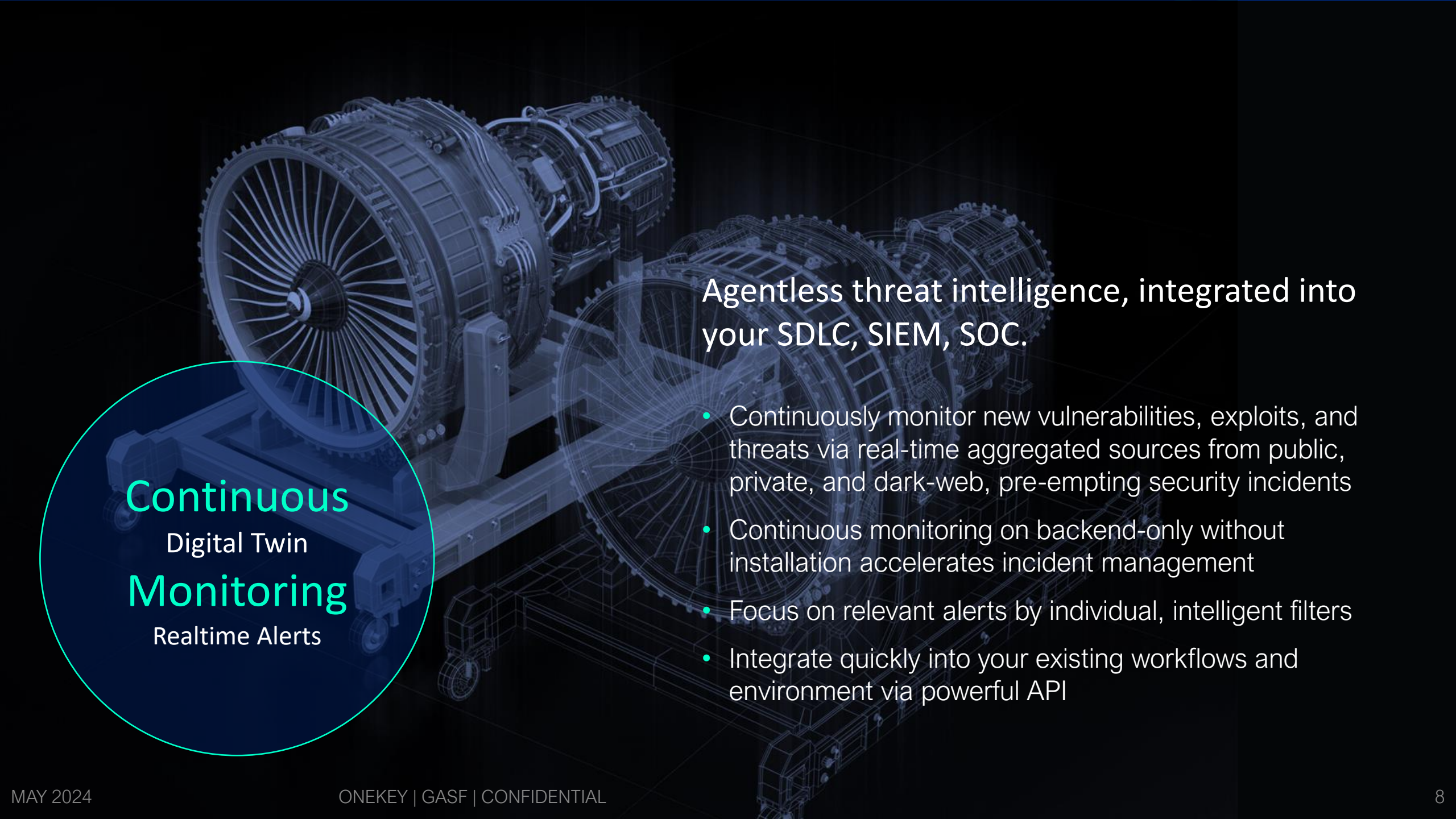
- Generate detailed SBOMs to verify & check your own SDLC and their supplier's software component declaration on binary code level.
- Create deep asset cyber visibility, track and compare components throughout your database
- Make informed, attack-resistant choices about components
- Integrate seamless with PLM, ERP and QMS to show exposed risks wherever needed

Vulnerability Management

Product Security Incident Response Teams

Automated results.
Complete coverage, actionable insights.

- Manage vulnerabilities and security gaps in your devices, protecting them from CVEs and Zero-day. All via binary analysis. No source code required.
- Bring context to chaos and eliminate irrelevant vulnerabilities. Prioritize your team's efforts and quickly resolve security gaps, aided by our remediation recommendations.
- Focus only on relevant alerts by intelligent filtering
- Cut response times by acting immediately on mitigation recommendations.



Agentless threat intelligence, integrated into your SDLC, SIEM, SOC.

- Continuously monitor new vulnerabilities, exploits, and threats via real-time aggregated sources from public, private, and dark-web, pre-empting security incidents
- Continuous monitoring on backend-only without installation accelerates incident management
- Focus on relevant alerts by individual, intelligent filters
- Integrate quickly into your existing workflows and environment via powerful API

Compliance Management

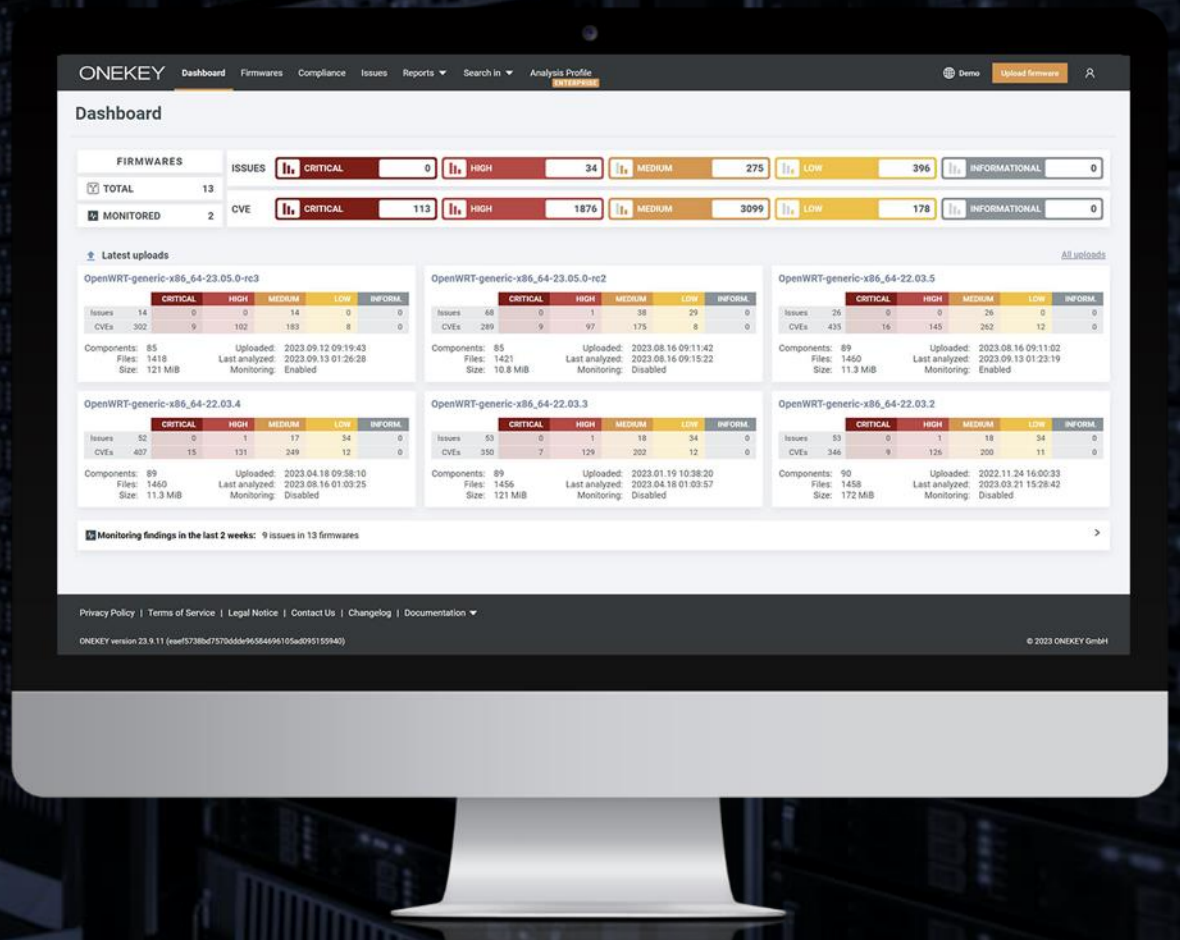
Open Source License Management

Comply on the fly by acting on automated Validation with industry specific standards

- Validate your compliance on the fly, i.e. against IEC62443, EU Cyber Resilience Act, OWASP and others.
- Check and verify cryptographic standards and security such as private keys, key length encryption, hard coded passwords and others.
- Detect open source components and code snippets in binaries.
- Track legal status and reduce manual efforts for compliance validation.

SHOWCASE: Mastering the challenge by automated complex security & compliance analysis in one key SaaS platform.

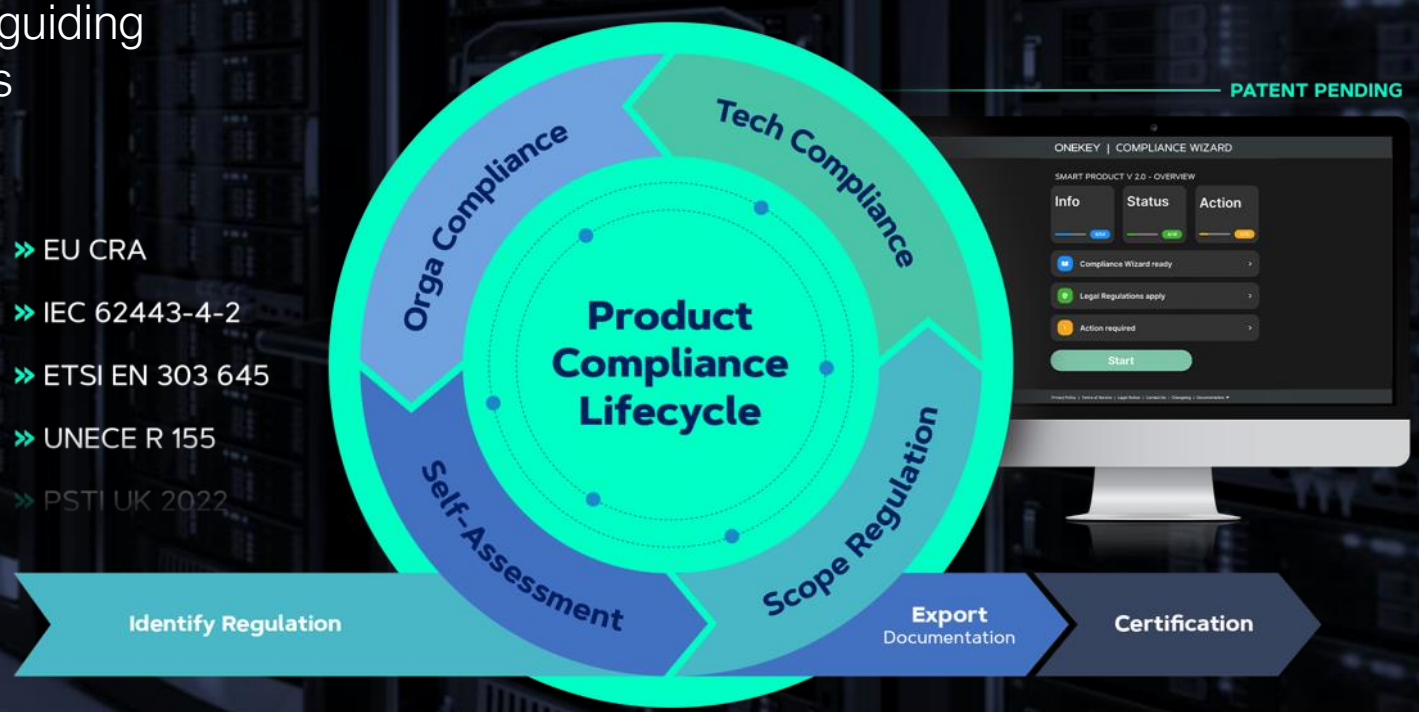
- AI* based security & compliance analyses in minutes vs. days for manual analysis
- Works with binary software images – no source code needed!
- Agentless – no installation/integration
- Powerful API for easy integration
- Flexible SaaS / onPrem subscription plans



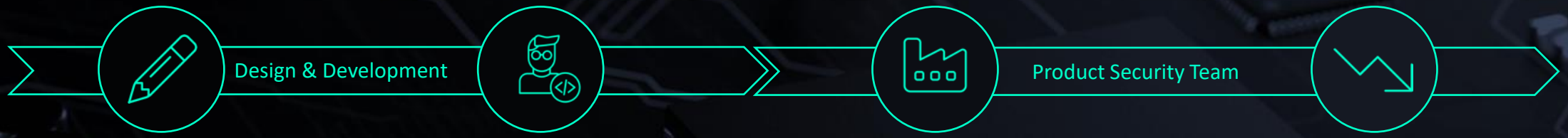
*Artificial Intelligence using Natural Language Processing

SHOWCASE: Compliance automation for cybersecurity standard self-assessment & certifications

- New, disruptive, patent-pending approach to simplify self-assessments and certifications
- Simple, **dialog-based virtual assistant** guiding through complex cybersecurity regulations
- Partnering with certification bodies to enable smooth, simplified workflow from data-collection to successful certification
- Integrated in ONEKEY SaaS platform



Automation enables simplified (cybersecurity & compliance) product lifecycle management.



	Design	Development	Production	End-of-Life
CUSTOMER NEED	Analyze third-party components on security in design phase	Instant & continuous feedback on security & compliance for pre-release software builds	Transparent auditable software supply chain Software security monitoring over entire lifecycle	Vulnerability status & security trend information for products near end of / after production
AUTOMATION VALUE	Automated security analysis before purchase / integration	Scalable, automated and continuous security and compliance analysis and assistant for pre-release software	Automated, exportable software-bill-of-materials (SBOM) 24/7 monitoring cuts response & fix times	24/7 monitoring including vulnerability impact analysis reduces risks and efforts by focusing on fixing high impact vulnerabilities

Experts.
Passion.
Automation.

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