CYBERSECURITY FOR INDUSTRY

ICSEC S.A.

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CYBERSECURITY FOR INDUSTRY

83%

of surveyed Critical Infrastructure organizations said they experienced at least one OT security breach in the prior 36 months*

Source: Skybox Security research study, August 2021

ICsec is **Europe-based (Poland) deep tech company specialised in cybersecurity** solutions dedicated to industry, including critical infrastructure.
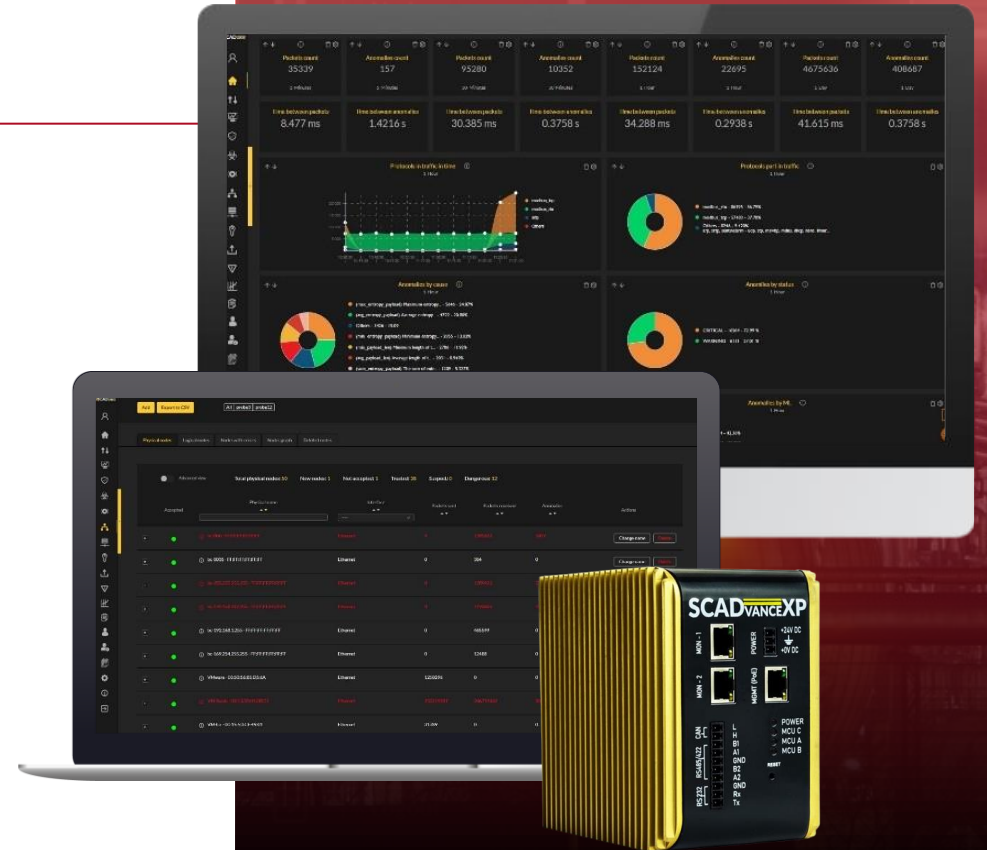
We designed, developed and introduce on the market our core platform - **SCADvance XP** system which is a new generation IDS system (intrusion detection system) for OT networks.

ICsec team is composed of tech savvy developers, cybersecurity experts, data scientists, embedded engineers highly **knowledgeable in cybersecurity and industrial networks.**

CALLS FOR PROPOSALS WE ARE INTERESTED IN

DIGITAL-ECCC-2024-DEPLOY-CYBER-07-LARGEOPER

Preparedness Support and Mutual Assistance, Targeting Larger Industrial Operations and Installations

ROLE: PARTNER

Deadline: 21 January 2025

DIGITAL-ECCC-2024-DEPLOY-CYBER-07-CYBERSEC-02

Support for Implementation of EU Legislation on Cybersecurity and National Cybersecurity Strategies

ROLE: PARTNER

DIGITAL-ECCC-2024-DEPLOY-CYBER-07-SOCSYS

Strengthening the SOC Ecosystem

ROLE: PARTNER

DIGITAL-ECCC-2024-DEPLOY-CYBER-07-KEYTECH

Development and Deployment of Advanced Key Technologies

ROLE: PARTNER

DIGITAL-ECCC-2024-DEPLOY-CYBER-07-SOC

National SOCs

ROLE: TECHNOLOGY PROVIDER

DIGITAL-ECCC-2024-DEPLOY-CYBER-07-SOCPLAT

Enlarging existing or Launching New Cross-Border SOC Platforms

ROLE: TECHNOLOGY PROVIDER

OUR EXPERTISE

- **Real-time OT Network Monitoring:** Immediate detection and response to suspicious activities.

- **Asset Inventory & Management:** Automatic identification, classification, and management of network devices and components.

- **Vulnerability Detection:** Automated checks using MITRE/NIST databases and SBOM for network asset vulnerabilities.

- **AI/ML-Based Threat Detection:** Advanced methods to identify subtle anomalies and cyberattacks (proprietary AI configurator patent pending with EPO and USPTO).

- **Predictive Maintenance:** Monitoring critical physical parameters to anticipate and prevent issues.

- **Incident Management:** Comprehensive handling and archiving of security incidents for detailed analysis and reporting.

- **Security System Design:** Expertise in developing and implementing robust security monitoring systems.

- **Cybersecurity Technologies:** Provision of cutting-edge technologies and services to secure manufacturing networks.

- **Advanced Key Technologies:** Specialization in AI/ML, big data, and container-based cybersecurity solutions.

- **Network Audits:** In-depth analysis and review of manufacturing environments through "hard" audits and e-audits.

- **Risk Assessment Support:** Ongoing asset discovery, deviation alerts, and detection of network blind spots in OT environments.

- **Cybersecurity Training:** Raising awareness and skills in OT cybersecurity through practical, industry-relevant training programs.

OUR ASSETS

A highly qualified and experienced team

- **Cybersecurity experts** (automation, Industry 4.0, IoT)

- **Data scientists** (AI/ML)

- **Developers** (Java, J2EE, C++, MySQL, C# .NET ASP, MS, SQL SpringBoot, Postgresql, Apache, Camel, Hibernate, REST, IBM WebSphere PrimeFaces Python 3.x, MS Sql Server, Vue.js)

SCADvance XP Lab - one of the most modern industrial automation laboratories in Poland

In our laboratory, we are able to:

- Build a specific test environment to test new functionalities, conduct pilot projects, and R&D projects.

- Create a reference environment, a simulated industrial environment involving devices from various automation manufacturers.

- Demonstrate the system's operation to clients and partners.

- Conduct training for partners and clients in cybersecurity and industrial automation.

OUR EXPERIENCE IN EU PROJECTS

European Digital Innovation Hubs:

- National Center for Secure Digital Transformation (CyberSec)
- hub4industry (h4i)
- re_d: rethink digital - Central Poland Digitalisation Hub

NATIONAL FUNDING - R&D projects:

- **IDS UTILITIES** - Development of an IDS system for OT tailored to public utility sector requirements
- **SMUAP** - The Industrial Automation Equipment Monitoring System for cybersecurity
- **CLOUD NFV** – Cloud-based cybersecurity platform for OT networks utilizing a virtual NFV probe – under evaluation

THANK YOU

Marek Krzyżanowski

marek.krzyzanowski@icsec.pl

+48 695201024

Katarzyna Berbeć

katarzyna.berbec@icsec.pl

+48 794995094