

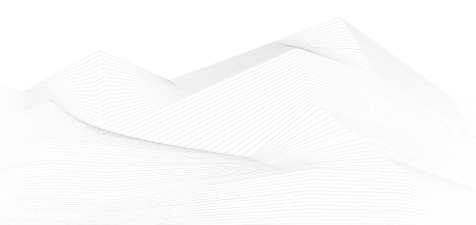


## 2023 January, Industrial Control Systems security feed

Black Cell is committed for the security of Industrial Control Systems (ICS) and Critical Infrastructure, therefore we are publishing a monthly security feed. This document gives useful information and good practices to the ICS and critical infrastructure operators and provides information on vulnerabilities, trainings, conferences, books, and incidents on the subject of ICS security. Black Cell provides recommendations and solutions to establish a resilient and robust ICS security system in the organization. If you're interested in ICS security, feel free to contact our experts at [info@blackcell.io](mailto:info@blackcell.io).

### List of Contents

ICS good practices, recommendations .....	2
ICS trainings, education .....	3
ICS conferences .....	5
ICS incidents.....	8
Book recommendation .....	9
ICS security news selection.....	10
ICS vulnerabilities.....	12
ICS alerts.....	18





ICS good practices, recommendations

## **5 Best Practices for Operational Technology (OT) Security**

SCADAfence (Michael Yehoshua) published best practices to achieve Operational Technology security.

Modern operational technology (OT) networks are evolving due to developments such as the rise of Industrial Internet of Things (IIoT), Industry 4.0, smart grid and more. In order to remain competitive in their industries, organizations are adopting these beneficial technologies to optimize their operations and significantly cut operational costs.

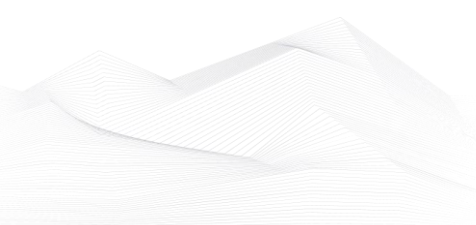
These new technologies increase the connectivity and the complexity of operational environments, and as a result, their exposure to potential OT cyber attacks or damage caused by human error increases significantly. In the past, operators trusted network segmentation, isolation, or air-gapping as an effective security measure, but due to the increasing connectivity between the OT, IT and other networks, this is no longer true. Therefore, adhering to OT security best practices, and deploying the most advanced OT security tools is critical for the protection, visibility, and control of OT environments.

5 Best Practices For OT Security:

1. Automatic discovery, full visibility and management of OT asset inventory
2. Proactive, actionable warnings regarding risks and vulnerabilities in the OT network
3. Network mapping and connectivity analysis
4. Detection of suspicious activities, exposures, and malware attacks
5. Full, deep-packet analysis of the network & industrial equipment activities

Source and more information available on the following link:

<https://blog.scadafence.com/5-ot-security-best-practices-for-industrial-digital-transformation>





## ICS trainings, education

Without aiming to provide an exhaustive list, the following trainings are available in February 2023:

- Developing Industrial Internet of Things Specialization
- Development of Secure Embedded Systems Specialization
- Industrial IoT Markets and Security

<https://www.coursera.org/search?query=-%09Developing%20Industrial%20Internet%20of%20Things%20Specialization&>

- Introduction to Control Systems Cybersecurity
- Intermediate Cybersecurity for Industrial Control Systems (201), (202)
- ICS Cybersecurity
- ICS Evaluation

<https://www.us-cert.gov/ics/Training-Available-Through-ICS-CERT>

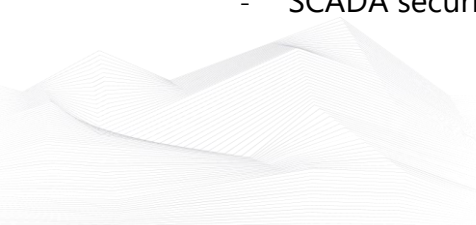
- Operational Security (OPSEC) for Control Systems (100W)
- Differences in Deployments of ICS (210W-1)
- Influence of Common IT Components on ICS (210W-2)
- Common ICS Components (210W-3)
- Cybersecurity within IT & ICS Domains (210W-4)
- Cybersecurity Risk (210W-5)
- Current Trends (Threat) (210W-6)
- Current Trends (Vulnerabilities) (210W-7)
- Determining the Impacts of a Cybersecurity Incident (210W-8)
- Attack Methodologies in IT & ICS (210W-9)
- Mapping IT Defense-in-Depth Security Solutions to ICS - Part 1 (210W-10)
- Mapping IT Defense-in-Depth Security Solutions to ICS - Part 2 (210W-11)
- Industrial Control Systems Cybersecurity Landscape for Managers (FRE2115)
- ICS410: ICS/SCADA Security Essentials
- ICS515: ICS Active Defense and Incident Response

<https://www.sans.org/cyber-security-courses/ics-scada-cyber-security-essentials/#training-and-pricing>

- ICS/SCADA Cyber Security
- Learn SCADA from Scratch to Hero (Indusoft & TIA portal)
- Fundamentals of OT Cybersecurity (ICS/SCADA)
- An Introduction to the DNP3 SCADA Communications Protocol
- Learn SCADA from Scratch - Design, Program and Interface

<https://www.udemy.com/ics-scada-cyber-security/>

- SCADA security training





<https://www.tonex.com/training-courses/scada-security-training/>

- Fundamentals of Industrial Control System Cyber Security
- Ethical Hacking for Industrial Control Systems

<https://scadahacker.com/training.html>

- INFOSEC-Flex SCADA/ICS Security Training Boot Camp

<https://www.infosecinstitute.com/courses/scada-security-boot-camp/>

- Industrial Control System (ICS) & SCADA Cyber Security Training

<https://www.tonex.com/training-courses/industrial-control-system-scada-cybersecurity-training/>

- Bsigroup: Certified Lead SCADA Security Professional training course

<https://www.bsigroup.com/en-GB/our-services/digital-trust/cybersecurity-information-resilience/Training/certified-lead-scada-security-professional/>

- ICS/SCADA security training seminar

<https://www.enoinstitute.com/scada-ics-security-training-seminar/>

- The Industrial Cyber Security Certification Course

<https://prettygoodcourses.com/courses/industrial-cybersecurity-professional/>

- Secure IACS by ISA-IEC 62443 Standard

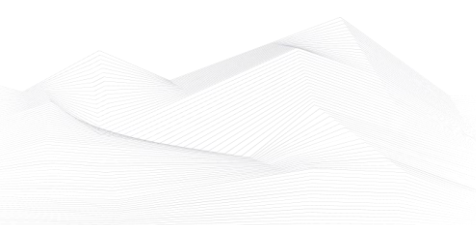
<https://www.udemy.com/course/isa-iec-62443-standard-for-secure-iacs/>

- Dragos Academy ICS/OT Cybersecurity Training

<https://www.dragos.com/dragos-academy/#on-demand-courses>

- ISA/IEC 62443 Training for Product and System Manufacturers

[https://www.ul.com/services/isaiec-62443-training-product-and-system-manufacturers?utm\\_mktocampaign=cybersecurity\\_industry40&utm\\_mktoadid=635856951086&campaignid=18879148221&adgroupid=143878946819&matchtype=b&device=c&creative=635856951086&keyword=industrial%20cyber%20security%20training&gclid=EAlaIQobChMI2sLO8fyv\\_AIVWvZ3Ch0b-QJvEAMYAyAAEgJNkvD\\_BwE](https://www.ul.com/services/isaiec-62443-training-product-and-system-manufacturers?utm_mktocampaign=cybersecurity_industry40&utm_mktoadid=635856951086&campaignid=18879148221&adgroupid=143878946819&matchtype=b&device=c&creative=635856951086&keyword=industrial%20cyber%20security%20training&gclid=EAlaIQobChMI2sLO8fyv_AIVWvZ3Ch0b-QJvEAMYAyAAEgJNkvD_BwE)





## ICS conferences

In February 2023, the following ICS/SCADA security conferences and workshops will be organized (not comprehensive):

### **Create The Future of OT and ICS Security at S4x23**

Set free a conservative, slow moving, change resistant community to discover new ideas and come up with innovative ways to use these new ideas to deploy secure, resilient and better ICS.

After a Covid caused cancellation of S4x21 and delay until April of S4x22, a record 800 of the best talent in the ICS security community came together in Miami South Beach for S4x22.

Miami South Beach, USA; 13<sup>th</sup> – 16<sup>th</sup> February 2023

More details can be found on the following website:

<https://s4xevents.com/>

### **Airport Safety and Security Conference**

The organizers are glad to invite you to our forthcoming “Airport Operations, Safety, and Security Conference,” which will be held in Munich, Germany on February 16th and 17th, 2023. The Airport Operations, Safety, and Security conference bring together industry experts from airports, regulators, security agencies, and solution vendors. Along with examples of clear and current best practices for how our airports should tackle the latest security regulation and compliance demands.

The conference will also look at the latest security technologies used at airports and how security intelligence has fared against constantly changing security trends such as looking for drugs and related contraband, bomb and terror threats, and robberies, among other crimes perpetrated by criminals. Airports, by definition, provide significant planning, operational, and security issues, balancing the requirement to move people and cargo quickly and effectively while maintaining ever-increasing levels of security and safety.

Munich, Germany; 16<sup>th</sup> February 2023

More details can be found on the following website:

<https://www.eventyco.com/event/airport-safety-and-security-conference-2022-munich-germany>





## **ICIC 2023: 17. International Conference on Industrial Cybersecurity**

International Conference on Industrial Cybersecurity aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Industrial Cybersecurity. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Industrial Cybersecurity.

Barcelona, Spain; 16<sup>th</sup> – 17<sup>th</sup> February 2023

More details can be found on the following website:

<https://waset.org/industrial-cybersecurity-conference-in-february-2023-in-barcelona>

## **14th SCADA World Summit**

The 14th SCADA World Summit is dedicated to the implementation of highly effective and energy efficient SCADA system with a focus on growing business needs, security risks and challenges associated with SCADA implementation.

The 14th SCADA World Summit covers topics such as:

- System Implementation & Upgrade
- SCADA Data Analysis & Management
- Cyber Security Management
- IT/OT Integration
- SCADA System Design
- Minimizing System Downtime
- Internet of Things Applications for SCADA
- Transiting into Cloud SCADA Architecture

The 14th SCADA World Summit brings together senior attendees from power & utilities companies, global energy, gas & petrochemical companies, oil, manufacturing companies and transportation companies with responsibilities in:

- Industrial Control Systems
- SCADA
- Information Technology
- Information Systems
- Distribution
- Transmission
- System Planning





- Electrical/Systems Engineering
- Maintenance

Singapore, Singapore; 27<sup>th</sup> February – 2<sup>nd</sup> March 2023

More details can be found on the following website:

<https://www.clocate.com/scada-world-summit/87555/>





## ICS incidents

### Hacker selling data allegedly stolen from Volvo cars following ransomware attack

In the end of December 2022, Volvo suffered a Ransomware attack, named Endurance Ransomware. The attackers wanted to extort the Swedish vehicle manufacturer, but Volvo did not pay.

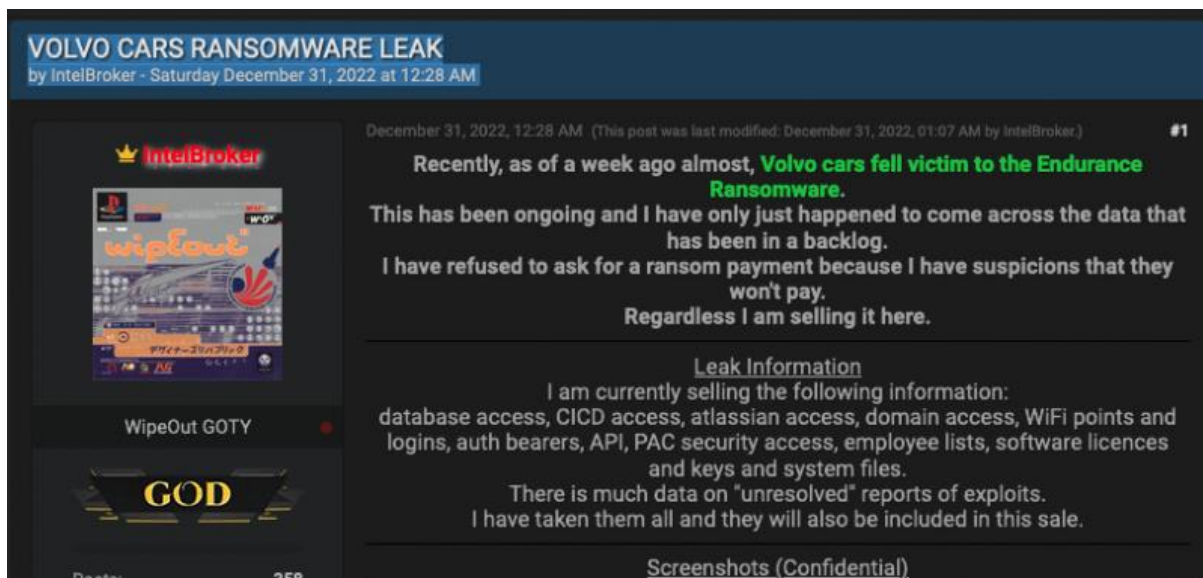
The attackers stole many sensitive information from the vehicle manufacturer, and they started to sell the stolen data. The Volvo data offered for sale — for the price of \$2,500 in Monero cryptocurrency — allegedly includes information on existing and future vehicle models, databases, development systems, and employee information.

The company said that there was no impact on the safety or security of customer cars or their personal data.

There is no further information regarding the incident at this time.

The source and more information are available on the following links:

<https://www.securityweek.com/hacker-selling-data-allegedly-stolen-volvo-cars-following-ransomware-attack>



**VOLVO CARS RANSOMWARE LEAK**  
by IntelBroker - Saturday December 31, 2022 at 12:28 AM

December 31, 2022, 12:28 AM (This post was last modified: December 31, 2022, 01:07 AM by IntelBroker.) #1

Recently, as of a week ago almost, **Volvo cars fell victim to the Endurance Ransomware.**

This has been ongoing and I have only just happened to come across the data that has been in a backlog.

I have refused to ask for a ransom payment because I have suspicions that they won't pay.

Regardless I am selling it here.

Leak Information

I am currently selling the following information:  
database access, CICD access, atlassian access, domain access, WiFi points and logins, auth bearers, API, PAC security access, employee lists, software licences and keys and system files.

There is much data on "unresolved" reports of exploits.  
I have taken them all and they will also be included in this sale.

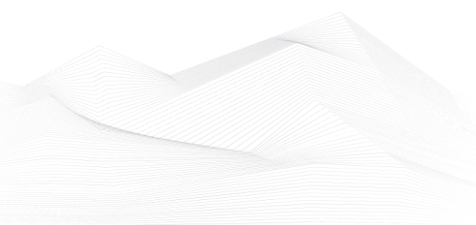
Screenshots (Confidential)

WipeOut GOTY

GOD

Posts: 358

Source: <https://www.securityweek.com/hacker-selling-data-allegedly-stolen-volvo-cars-following-ransomware-attack>







## Book recommendation

### **Cybersecurity for Critical Infrastructure Protection via Reflection of Industrial Control Systems**

Although cybersecurity is something of a latecomer on the computer science and engineering scene, there are now inclinations to consider cybersecurity a meta-discipline. Unlike traditional information and communication systems, the priority goal of the cybersecurity of cyber-physical systems is the provision of stable and reliable operation for the critical infrastructures of all fundamental societal functions and activities. This book, *Cybersecurity for Critical Infrastructure Protection via Reflection of Industrial Control Systems*, presents the 28 papers delivered at the NATO Advanced Research Workshop (ARW) hosted in Baku, Azerbaijan, and held online from 27-29 October 2021. The inspiration and motivation behind the ARW stem from the growth in large-scale cyber attacks, the rising degree of complexity and sophistication of advanced threats, and the need to protect critical infrastructure by promoting and building a resilient system to promote the well-being of all citizens. The workshop covered a wide range of cybersecurity topics, permeating the main ideas, concepts and paradigms behind ICS and blended with applications and practical exercises, with overtones to IoT, IIoT, ICS, artificial intelligence, and machine learning. Areas discussed during the ARW included the cybersecurity of critical infrastructures; its educational and research aspects; vulnerability analysis; ICS/PLC/SCADA test beds and research; intrusion detection, mitigation and prevention; cryptography; digital forensics for ICS/PLCs; Industry 4.0 robustness and trustworthiness; and Cyber Fortress concept infused with practical training.

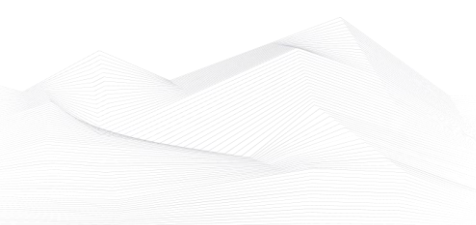
Investigating theoretical and practical problems involving the security of critical and essential infrastructure of each segment of contemporary societies, the book will be of interest to all those whose work involves cybersecurity.

Authors/Editors: Popov, O.B., Sukhostat, L.

Year of issue: 2022

The book is available at the following link:

<https://www.iospress.com/catalog/books/cybersecurity-for-critical-infrastructure-protection-via-reflection-of-industrial>





## ICS security news selection

### **After targeting water sector, HC3 confirms Clop ransomware attacks against healthcare organizations**

The U.S. Department of Health & Human Services' Health Sector Cybersecurity Coordination Center (HC3) confirmed that it is aware of attacks on the health and public health (HPH) sector by the Clop ransomware hacker group. The disclosure comes a few months after the Russian-based C10p ransomware hacker group breached water systems at the U.K. water supply company South Staffordshire.

"The Clop ransomware has been around since 2019, and even though the organization had several members arrested, its activity appeared to be uninterrupted," the HC3 wrote in its analyst note on Wednesday. "However, the gang has had difficulties getting victims to pay out on a ransom which has reportedly led to a change in their tactics that directly impacts the HPH sector." ...

Source, and more information:

<https://industrialcyber.co/medical/after-targeting-water-sector-hc3-confirms-clop-ransomware-attacks-against-healthcare-organizations/>

### **The Impact of Geopolitics on CPS Security**

The world changed fundamentally during the pandemic. Businesses were affected profoundly as they were forced to undergo digital transformation quickly to survive. And for organizations that were able to truly excel at it, digital transformation became a differentiating advantage. Of course, shareholders clearly saw the cost and competitive advantages of digital transformation and there is no turning back.

Our physical world has become very dependent on its digital components so we can share data and take advantage of simplified and more efficient workflows. The challenge now is that we are in a position of playing catch-up because all that extra connectivity needs to be secured. While the need to secure cyber-physical systems (CPS) is nothing new, the pandemic has escalated it in ways none of us could have anticipated or prepared for out of the gate. For example, who could have imagined a 63-fold increase in telehealth utilization or that 80% of remote-capable workers would continue to work remotely at least part of the time? ...

Source, and more information:

<https://www.securityweek.com/impact-geopolitics-cps-security>





## **Compelling need to build ICS resiliency across OT and ICS environments in 2023**

The growing prevalence of cybersecurity incidents targeting critical infrastructure environments, at times resulting in operational downtime, loss of production from destructive malware, or malicious insider activity, makes it imperative for these organizations to work on and structure their ICS resiliency framework. This year, as organizations continue to use OT (operational technology) infrastructure to monitor and control physical processes, operational environments remain at high cyber risk, as a result of global competition and geopolitical tensions. ...

Source, and more information:

<https://industrialcyber.co/features/compelling-need-to-build-ics-resiliency-across-ot-and-ics-environments-in-2023/>

## **The NCSC for Startups programme is looking for innovative ideas to encrypt and secure the industrial internet of things**

The UK's National Cyber Security Centre (NCSC), alongside innovation hub partner Plexal, are scouting emerging cyber talent to form the next cohort of startups to be inducted into the NCSC for Startups programme, this time with a focus on securing the industrial internet of things (IIoT) and developing resilient products. The next cycle of the NCSC for Startups programme, which has been running for six years and now comprises a community of more than 60 organisations, will begin in January 2023 and will equip founders with the specialised knowledge needed to develop, adapt and pilot their technologies and support the first steps in their businesses growth with support from various partners. ...

Source, and more information:

[https://www.computerweekly.com/news/252528053/Industrial-IoT-focus-of-next-NCSC-startup-challenge?&web\\_view=true](https://www.computerweekly.com/news/252528053/Industrial-IoT-focus-of-next-NCSC-startup-challenge?&web_view=true)

## **What to consider when budgeting for 2023's OT cybersecurity needs and wants**

Regardless of what 2023 holds in store for the economy, your organization's financial commitment to supporting OT cybersecurity efforts is being decided now. In the public sector, much of the funding needed to secure critical infrastructure has already been allocated. But in the private sector funding is far from guaranteed. So how do you maximize your efforts, considering the current economic uncertainty and your need to protect assets? ...

Source, and more information:

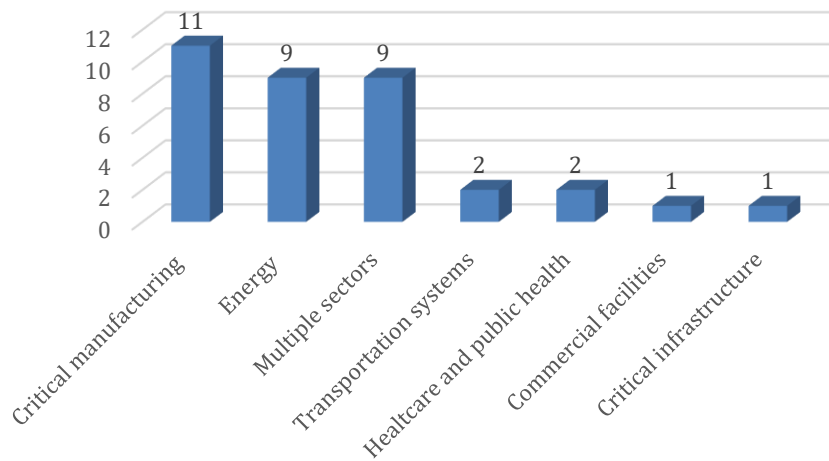
<https://www.helpnetsecurity.com/2023/01/06/budgeting-ot-cybersecurity-2023/>



## ICS vulnerabilities

In January 2023, the following vulnerabilities were reported by the National Cybersecurity and Communications Integration Center, Industrial Control Systems (ICS) Computer Emergency Response Teams (CERTs) – ICS-CERT:

Sectors affected by vulnerabilities in January

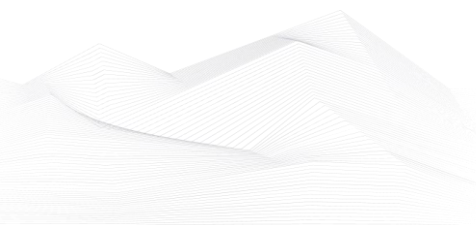


Average number of vulnerabilities per vulnerability report in January: **2,23**

Vulnerabilities/Exploitable remotely: **30/22**

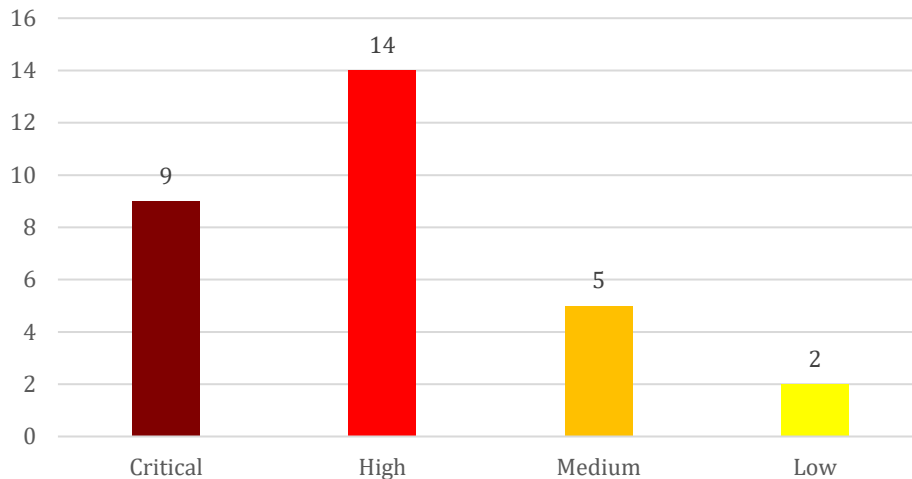
The most common vulnerabilities in January:

Vulnerability	CWE number	Items
Path Traversal	CWE-22	4
Cleartext Transmission of Sensitive Information	CWE-319	4
Improper Access Control	CWE-284	4
OS Command Injection	CWE-78	3
Inadequate Encryption Strength	CWE-326	3
Use of Hard-coded Cryptographic Key	CWE-321	3





## Vulnerability level distribution report



### ICSA-23-026-01: **Delta Electronics CNCSoft ScreenEditor**

**High** level vulnerability: Stack-based Buffer Overflow.

[Delta Electronics CNCSoft ScreenEditor | CISA](#)

### ICSA-23-026-02: **Econolite EOS**

**Critical** level vulnerabilities: Improper Access Control, Use of Weak Hash.

[Econolite EOS | CISA](#)

### ICSA-23-026-03: **Snap One Wattbox WB-300-IP-3**

**High** level vulnerabilities: Improper Restriction of Excessive Authentication Attempts, Heap-based Buffer Overflow, Plaintext Storage of a Password, Insufficient Verification of Data Authenticity.

[Snap One Wattbox WB-300-IP-3 | CISA](#)

### ICSA-23-026-04: **Sierra Wireless AirLink Router with ALEOS Software**

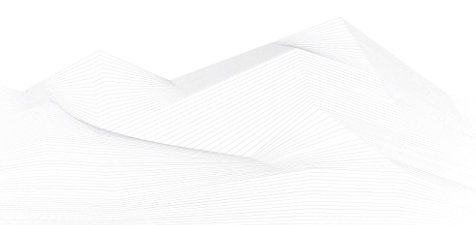
**High** level vulnerabilities: Improper Neutralization of Argument Delimiters in a Command, Exposure of Sensitive Information to an Unauthorized Actor.

[Sierra Wireless AirLink Router with ALEOS Software | CISA](#)

### ICSA-23-026-05: **Mitsubishi Electric MELFA SD/SQ series and F-series Robot Controllers**

**High** level vulnerability: Active Debug Code.

[Mitsubishi Electric MELFA SD/SQ series and F-series Robot Controllers | CISA](#)





#### ICSA-23-026-06: **Rockwell Automation products using GoAhead Web Server**

**Critical** level vulnerabilities: Infinite Loop, Use after Free.

[Rockwell Automation products using GoAhead Web Server | CISA](#)

#### ICSA-23-026-07: **Landis+Gyr E850**

**Low** level vulnerability: Reliance on Cookies without Validation and Integrity.

[Landis+Gyr E850 | CISA](#)

#### ICSA-23-017-02: **Mitsubishi Electric MELSEC iQ-F, iQ-R Series (Update A)**

**Medium** level vulnerability: Predictable Seed in Pseudo-Random Number Generator (PRNG).

[Mitsubishi Electric MELSEC iQ-F, iQ-R Series \(Update A\) | CISA](#)

#### ICSA-23-024-01: **XINJE XD**

**High** level vulnerabilities: Relative Path Traversal, Uncontrolled Search Path Element.

[XINJE XD | CISA](#)

#### ICSA-23-024-02: **SOCOMEK MODULYS GP**

**Medium** level vulnerability: Weak Encoding for Password.

[SOCOMEK MODULYS GP | CISA](#)

#### ICSA-23-019-01: **Hitachi Energy PCU400**

**High** level vulnerability: Reliance on Uncontrolled Component.

[Hitachi Energy PCU400 | CISA](#)

#### ICSA-23-017-01: **GE Digital Proficy Historian**

**Critical** level vulnerabilities: Authentication Bypass using an Alternate Path or Channel, Unrestricted Upload of File with Dangerous Type, Improper Access Control, Weak Encoding for Password.

[GE Digital Proficy Historian | CISA](#)

#### ICSA-23-017-02: **Mitsubishi Electric MELSEC iQ-F, iQ-R Series**

**Medium** level vulnerability: Predictable Seed in Pseudo-Random Number Generator (PRNG).

[Mitsubishi Electric MELSEC iQ-F, iQ-R Series | CISA](#)





#### ICSA-23-017-03: **Siemens SINEC INS**

**Critical** level vulnerabilities: OS Command Injection, Inadequate Encryption Strength, Out-of-bounds Write, HTTP Request Smuggling, Inadequate Encryption Strength, Use of Insufficiently Random Values, Authentication Bypass by Spoofing, Path Traversal, Command Injection.

[Siemens SINEC INS | CISA](#)

#### ICSA-23-012-01: **Sewio RTLS Studio**

**Critical** level vulnerabilities: Use of Hard-coded Password, OS Command Injection, Out-of-bounds Write, Cross-Site Request Forgery, Improper Input Validation, Cross-site Scripting.

[Sewio RTLS Studio | CISA](#)

#### ICSA-23-012-02: **RONDS Equipment Predictive Maintenance Solution**

**High** level vulnerabilities: Exposure of Sensitive Information to an Unauthorized Actor, Path Traversal.

[RONDS Equipment Predictive Maintenance Solution | CISA](#)

#### ICSA-23-012-03: **InHand Networks InRouter**

**Critical** level vulnerabilities: Cleartext Transmission of Sensitive Information, OS Command Injection, Use of a One-way Hash with a Predictable Salt, Improper Access Control, Use of Insufficiently Random Values.

[InHand Networks InRouter | CISA](#)

#### ICSA-23-012-04: **Panasonic Sanyo CCTV Network Camera**

**High** level vulnerability: Cross-Site Request Forgery (CSRF).

[Panasonic Sanyo CCTV Network Camera | CISA](#)

#### ICSA-23-012-05: **SAUTER Controls Nova 200 – 220 Series (PLC 6)**

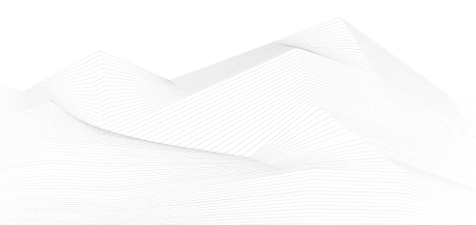
**Critical** level vulnerabilities: Missing Authentication for Critical Function, Cleartext Transmission of Sensitive Information.

[SAUTER Controls Nova 200 – 220 Series \(PLC 6\) | CISA](#)

#### ICSA-23-012-06: **Johnson Controls Metasys**

**High** level vulnerability: Insufficiently Protected Credentials.

[Johnson Controls Metasys | CISA](#)





ICSA-23-012-07: **Hitachi Energy Lumada APM**

**Medium** level vulnerability: Improper Access Control.

[Hitachi Energy Lumada APM | CISA](#)

ICSA-23-012-08: **Siemens S7-1500 CPU devices**

**Low** level vulnerability: Missing Immutable Root of Trust in Hardware.

[Siemens S7-1500 CPU devices | CISA](#)

ICSA-23-012-09: **Siemens Mendix SAML Module**

**Critical** level vulnerability: Improper Neutralization of Input During Web Page Generation ('Cross-site Scripting').

[Siemens Mendix SAML Module | CISA](#)

ICSA-23-012-10: **Siemens Automation License Manager**

**High** level vulnerabilities: External Control of File Name or Path, Path Traversal.

[Siemens Automation License Manager | CISA](#)

ICSA-23-012-11: **Siemens Solid Edge before V2023 MP1**

**High** level vulnerability: Improper Restriction of Operations within the Bounds of a Memory Buffer.

[Siemens Solid Edge before V2023 MP1 | CISA](#)

ICSMA-21-322-02: **Philips Patient Information Center iX (PIC iX) and Efficia CM Series (Update A)**

**Medium** level vulnerabilities: Improper Input Validation, Use of Hard-coded Cryptographic Key, Use of a Broken or Risky Cryptographic Algorithm.

[Philips Patient Information Center iX \(PIC iX\) and Efficia CM Series \(Update A\) | CISA](#)

ICSA-23-010-01: **Black Box KVM**

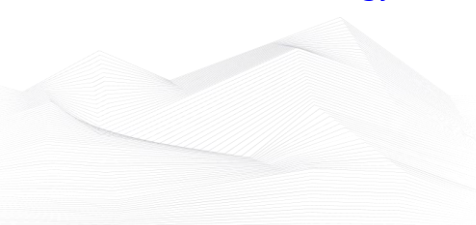
**High** level vulnerability: Path Traversal.

[Black Box KVM | CISA](#)

ICSA-23-005-01: **Hitachi Energy UNEM**

**High** level vulnerabilities: Inadequate Encryption Strength, Use of Hard-coded Cryptographic Key, Cleartext Transmission of Sensitive Information.

[Hitachi Energy UNEM | CISA](#)







## ICSA-23-005-02: **Hitachi Energy FOXMAN-UN**

**High** level vulnerabilities: Inadequate Encryption Strength, Use of Default Cryptographic Key, Use of Hard-coded Cryptographic Key, Cleartext Transmission of Sensitive Information.

[Hitachi Energy FOXMAN-UN | CISA](#)

## ICSA-23-005-03: **Hitachi Energy Lumada Asset Performance Management**

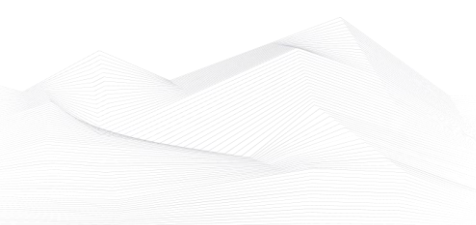
**Critical** level vulnerabilities: Classic Buffer Overflow, Out-of-bounds Write.

[Hitachi Energy Lumada Asset Performance Management | CISA](#)

The vulnerability reports contain more detailed information, which can be found on the following website:

<https://ics-cert.us-cert.gov/advisories>

Continuous monitoring of vulnerabilities is recommended, because relevant information on how to address vulnerabilities, patch vulnerabilities and mitigate risks are also included in the detailed descriptions.





## ICS alerts

In January 2023, ICS-CERT hasn't published alerts.

