

PSE



CERT PSE
computer emergency response team

CC4ES

CYBERSECURITY CONFERENCE
FOR THE ENERGY SECTOR



JUNE 21-23, 2022

HOLIDAY INN WARSZAWA JÓZEFÓW / POLAND



PRZEWODNIK



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CYBERSECURITY CONFERENCE FOR THE ENERGY SECTOR 2022

21-23 czerwca 2022 w Holiday Inn Warszawa Józefów

Welcome to the third edition of the CC4ES!

The CC4ES is a multi-track cyber security event organized by PSE. The conference is held biannually and deals exclusively with cybersecurity in the energy sector. The event features tracks dedicated to technical, organizational, and research topics to address the entire cyber threat landscape. The objective of the CC4ES is to present the best practices and current trends in ensuring cybersecurity and preventing attacks in the energy sector, as well as to show practical technical solutions. The organization of the CC4ES conference was a continuation of a series of Polish Grid Exercise specialized training organized for cybersecurity specialists and experts in cooperation with partners from the United States.

Agenda

CC4ES		
June, 21	June, 22	June, 23
Workshops (on site)	Talks (on site & on-line)	SANS Grid NetWars (on site & on-line)

Day 1 June 21, 2022 (Tuesday)

WORKSHOPS

08:00 - 09:00 - Registration & welcome coffee

09:00 - 13:00 - Opening remarks & workshops

13:00 - 14:00 - Lunch break

14:00 - 18:00 - Workshops

18:00 - 18:10 - Day 1 Wrap-up

18:10 - 21:00 - Grill & Networking

Conference room	Workshop title		Duration	
Constellation 1	Digital Forensic and Incident Response tools and best practices (Mediarecovery - PL)		6h (9:00 – 13:00, lunch break, 14:00 – 16:00)	
Galaxy 1+2	Dlaczego zarządzanie podatnościami jest kluczowe w branży energetycznej + Threat Hunting z wykorzystaniem analizy ruchu sieciowego (Mediarecovery - PL)		6h (9:00 – 13:00, lunch break, 14:00 – 16:00)	
Galaxy 3+4	Practical Fortifying ICS (Dieter Sarrazyn - EN)		6h (9:00 – 13:00, lunch break, 14:00 – 16:00)	
Taurus	Device security analysis based on the CBOM / SBOM (SEQRED - PL)		6h (9:00 – 13:00, lunch break, 14:00 – 16:00)	
Conference room	Workshop title	Duration	Workshop title	Duration
Constellation 2	Defending Against State Sponsored Attackers (SANS - EN)	4h (9:00 – 13:00)	Introduction to Cyber-enabled Sabotage and Critical Function Assurance (Departament Energii USA- Idaho National Labs - EN)	4 h (14:00 – 18:00)
Constellation 3	CyberStrike Training Workshop (Departament Energii USA- Idaho National Labs - EN)	4h (9:00 – 13:00)	Debunking disinformation and finding hate groups with OSINT (SANS - EN)	4 h (14:00 – 18:00)

Day 2 June 22, 2022 (Wednesday)

Talks & networking

07:00 - 09:00 AM (CET)	Registration and welcome coffee
09:00 - 09:15	Opening Remarks Dariusz Serówka , Office of the Polish Government Plenipotentiary for Strategic Energy Infrastructure Eryk Kłossowski , CEO, PSE S.A.
09:15 - 9:45	Keynote Ann Dunkin , CIO, The United States Department of Energy (DOE)
9:45 - 10:15	U.S. Energy Cybersecurity Matthew M. Myrick , The United States Department of Energy (DOE)
10:15 - 10:50	Critical infrastructure cybersecurity defense Tim Conway , Technical Director - ICS and SCADA programs, SANS Institute
10:50 - 11:10	Coffee break
11:10 - 11:40	Building a Prepared Cyber Workforce Daniel Noyes , Operational Technology Cyber Threats Program Manager, Idaho National Laboratory
11:40 - 12:00	The #segmentation story: from critical infrastructure security design to IT processes transformation Jeremi Gryka , Deputy CIO/ICT Security, ICT Department, PSE S.A.
12:00 - 12:30	Cyberattacks as component of real warfare Valeriy Yermoshyn , Head of the Department of Information Security NPC, Ukrenergo George Karasiuk , Chief of Cybersecurity Operations Centers NPC, Ukrenergo Dmitriy Ryzhkov , Lead SOC Analyst NPC, Ukrenergo
12:30 - 13:00	Critical Infrastructure Cybersecurity: Legislating and Sharing Information Across Sectors Nilsu Goren , Senior Program Manager CRDF Global Vlad Basystyi , CRDF Global
13:00 - 13:50	Lunch break

13:50 - 14:35	<p>Panel discussion: <i>Cross-sectoral cooperation as a key to cyber security</i></p> <p>Moderator: Miroslaw Maj, Foundation safe cyberspace, ComCERT</p> <p>Panelists: ptk. Łukasz Jędrzejczak, Head of CSIRT, Ministry of National Defence Maciej Siciarek, Director of CSIRT at NASK PIB Krzysztof Zieliński, Director of the Cybersecurity Department, Polish Financial Supervision Authority Marcin Gusta, CSIRT GOV Grzegorz Bojar, CIO, ICT Department, PSE S.A.</p>
14:35 - 14:55	<p><i>The role of the Competent Authority for Energy in light of the development of the National Cybersecurity System in Poland</i></p> <p>Dariusz Binkowski, Director of the IT Department, Ministry of Climate and Environment of the Republic of Poland</p>
14:55 - 15:20	<p><i>Hacking Critical Infrastructure- using the Software and Hardware Bill of Materials in the correct understanding of the attack surface on ICS systems and building the ability to protect it</i></p> <p>Krzysztof Swaczyński, Founder and Vicepresident, SEQRED</p>
15:20 - 15:50	<p><i>Securing energy transformation – why it is easier said than done?</i></p> <p>Samuel Linares, Managing Director, Global Industry X, Renewables and Europe Industry X & OT Security Lead at Accenture, Independent Evaluator at European Commission and CIIP Expert at ENISA (European Network and Information Security Agency) Michał Paulski, Industrial Control Systems Security Architect, ICS/OT Security Lead for Europe at Accenture</p>
15:50 - 16:10	Coffee break
16:10 - 16:35	<p><i>Cyber Threats to the Energy Sector</i></p> <p>James Pinette, Special Agent, FBI Aleksandr Kobzanets, Special Agent, FBI</p>
16:35 - 17:00	<p><i>Experience from the implementation of safe OT environments in the energy sector in Europe</i></p> <p>Tomasz Szała, Director of the implementation and maintenance IT systems department, CSO, Mikronika</p>
17:00 - 17:25	<p><i>Visibility & Control – how to detect, assess and counter a cyberattack</i></p> <p>Krzysztof Wójtowicz, Head of Sales, ICsec</p>
17:25 - 17:50	<p><i>Electromagnetic Pulse (EMP) Risk Protection and Resilience</i></p> <p>Bartosz Nieróbca, Manager, OT Cybersecurity Hub, EY</p>
17:50 - 18:00	<p><i>Closing remarks</i></p> <p>Grzegorz Bojar, CIO, PSE S.A.</p>
18:00 - 22.00	Networking & dinner

Day 3 June 23, 2022 (Thursday)

SANS Grid NetWars

09:00 - 09:30 - Registration and coffee

09:30 - 10:00 - Opening NetWars Presentation

10:00 - 13:00 - Open Game server for live competition

13:00 - 14:00 - Lunch Break

14:00 - 16:30 - Re-Open game server for live competition

16:30 - 17:00 - Close game and announce winners

17:00 - 17:15 - Closing remarks

17:15 - 20:00 - Networking dinner

ORGANIZATORZY



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Dbamy o niezawodność i bezpieczeństwo Twojej sieci OT

Świat OT to nasza codzienność. Od 20 lat dostarczamy naszym klientom kompleksowe rozwiązania i know-how w obszarze sieci przemysłowych OT/ICS i ich cyberbezpieczeństwa.

Do Twojej dyspozycji oddajemy nasze najcenniejsze zasoby: zespół specjalistów, wiedzę i doświadczenie. Możesz liczyć na nasze wsparcie na każdym etapie współpracy – od analizy i projektu, poprzez wdrożenie, aż po serwis i konsulting merytoryczny. Oferujemy także kompleksowe szkolenia w Akademii Tekniska dedykowane pracownikom w różnym stopniu rozwoju zawodowego i możliwość rozwijania własnego biznesu wraz z Tekniska w ramach programu partnerskiego.

**My zadbamy o Twoją sieć.
Ty rozwijaj biznes.**

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PRZEMYSŁOWA TRANSMISJA DANYCH:



KOMUNIKACJA RADIOWA



Everything connects

SZKOLENIA

SIECI PRZEMYSŁOWE



Bezpieczny zdalny dostęp



CYBERBEZPIECZEŃSTWO W OT:



SYSTEMY IDS



CYBERBEZPIECZEŃSTWO



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FOR THE ENERGY SECTOR

SEQRED

OPERATIONAL
TECHNOLOGY
AND CRITICAL
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| About us in 5Ws



Who we are

A team of 30 cybersecurity Professionals combining a wide range of skills from vulnerability detection and security audits & assessments of IT and ICS systems to implementation of security solutions, cyber-attacks simulations, implementing security by design for IT, ICS and Smart Buildings



What we do

All you can see in the upper part of this ad and our main goal is to give you a peace of mind when it comes to the cybersecurity of your business



Where we do it

Our headquarter is in Warsaw, Poland, and we can be present wherever you need us



Why we do it

Out of the passion for delivering excellence



When experience matters

The average years of hands-on experience of our team members in the fields of IT & OT technology, Automation and Cybersecurity is 15+ years. Combined we hold over 50 globally recognised certificates in IT and ICS security fields

Honeywell

NOZOMI
NETWORKS

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PSE is the power transmission system operator (TSO) in Poland. The company guarantees transmission of electricity to all regions of the country through 15,693 km of power lines and 110 extra high voltage power substations. PSE is also responsible for balancing the power system, as well as maintenance and development of the power grid network and cross-border connections. Additionally, PSE provides its transmission capacities for the purpose of cross-border exchange. As a European TSO, PSE is a member of ENTSO-E.

THANK YOU
FOR YOUR PARTICIPATION
IN THE CC4ES CONFERENCE!



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