

Practical Aspects and Challenges of Implementing Cybersecurity Measures in Times of War

The SECURE-NET project presents a webinar series on protecting critical infrastructure during wartime, drawing on lessons from Ukraine and focusing on substation cybersecurity and the use of digital twins in risk management. Experts from Prykarpattiaoblenergo and Vasyl Stefanyk Carpathian National University share practical experience in securing critical systems and maintaining operations under disruption.

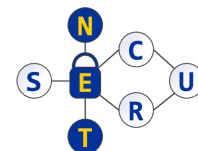
The session examines the challenges of cybersecurity in substations, including legacy infrastructure, industrial protocols such as Modbus, IEC 60870-5-104, and IEC 61850, and vendor-related constraints. It also discusses barriers to implementing cybersecurity measures, including key management, performance, compatibility, and vendor support issues. In addition, the webinar presents experiences from conducting a university entrance campaign under wartime conditions, highlighting remote admissions, support for applicants from affected territories, cooperation with a relocated university, and measures to maintain operations during power and connectivity disruptions.

Webinar 2: Wartime Cybersecurity of Critical Infrastructure: Practical Constraints and Risk Management

Thursday, 12 November 2026
9:00 – 12:00 CET / 10:00 – 13:00 EET

Agenda

Session 1: Practical Challenges and Trade-offs in Substation Cybersecurity: Lessons from Ukraine		
10 mins	Introduction	
20 mins	Volodymyr Shcherbiak <i>Head of project management group, strategic planning department, JSC "</i> <i>Prykarpattiaoblenergo"</i>	Real Constraints in Substation Cybersecurity
20 mins	Volodymyr Shcherbiak <i>Head of project management group, strategic planning department, JSC "</i> <i>Prykarpattiaoblenergo"</i>	Why Cybersecurity Measures Are Not Fully Implemented
10 mins	BREAK	



Webinar 2: Wartime Cybersecurity of Critical Infrastructure: Practical Constraints and Risk Management

Session 2: Practical Challenges and Trade-offs in Substation Cybersecurity: Lessons from Ukraine (continued)		
15 mins	Veronika Latyshevskaya, <i>Engineer of project management group, strategic planning department, JSC "Prykarpattyaoblenergo" (TBD)</i>	Managing Risks: Practical Solutions and Role of Digital Twin
15 mins	Discussion	
10 mins	BREAK	
Session 3: Running an Entrance Campaign Under Wartime Conditions		
30 mins	Serhii Sharyn <i>Dean of the Faculty of Mathematics and Computer Science, Vasyl Stefanyk Carpathian National University</i>	How We Keep the Doors Open: Operational Adaptations to the Entrance Campaign
15 mins	Discussion	
5 mins	Closing	