

USEA Enhances Grid Resiliency in Albania Through Cybersecurity Modernization

The United States Energy Association (USEA) strengthened KESH's grid resiliency by equipping it with advanced cybersecurity systems, including SIEM and secure remote access solutions. This initiative enhanced KESH's ability to detect, respond to, and recover from cyber threats, ensuring stable, secure, and continuous power sector operations.



As cyber threats to energy infrastructure become more sophisticated, the United States Energy Association is helping countries like Albania strengthen their grid resiliency. In collaboration with the Albanian Power Corporation (KESH), USEA has successfully implemented two foundational cybersecurity initiatives for KESH: a Security Information and Event Management (SIEM) system and a Secure Remote Access Capability (SRAC) for IT personnel.

These advanced technologies are critical to grid resiliency, ensuring that KESH can maintain safe, stable, and continuous operations, even in the face of cyber disruptions. The SIEM

solution provides real-time visibility into system-wide activity, enabling early threat detection and rapid incident response and was designed to be compatible with a sector-wide Computer Emergency Response Team (CERT). The SRAC component allows authorized staff to securely access operational systems from remote locations, improving flexibility and continuity during emergencies or unexpected events.

USEA selected three U.S. cybersecurity companies to manage the initiative's implementation and to provide KESH with the advanced, enterprise-grade technologies that enable real-time threat detection and secure system access. Together, these companies

built a robust cybersecurity layer that protects critical digital assets across KESH's substations and IT networks.

By modernizing KESH's cybersecurity infrastructure, USEA has significantly bolstered Albania's grid resiliency, ensuring its power sector is better prepared to prevent, withstand, and recover from cyber incidents. This effort reflects USEA's commitment to strengthening essential energy systems in emerging economies and advancing long-term grid reliability in the region.