

# USEA Enhances Grid Resilience in Albania Through Advanced OT Cybersecurity Deployment



The United States Energy Association bolstered Albania's grid resilience by deploying advanced OT cybersecurity systems with OST, ensuring reliable power delivery amid mounting cyber threats. The project, in partnership with Catalisto, an American company, delivered real-time monitoring, risk management tools, and in-house training, empowering OST to independently detect, respond to, and recover from cyber disruptions.

The United States Energy Association (USEA) advanced Albania's grid resilience significantly by supporting a comprehensive cybersecurity project with OST, Albania's national electricity transmission system operator. The Operational Technology Sensor Implementation Project was designed to strengthen OST's ability to withstand and recover from potential cyber disruptions, ensuring the continued reliability and stability of the country's transmission network.

In response to the growing threat of cyberattacks on critical infrastructure, the USEA partnered with OST to deploy a sensor-based monitoring solution across its OT network. These sensors provide continuous visibility into system activity and are designed to integrate with Albania's forthcoming national Security Operations Center (SOC). This integration enables centralized analysis and

faster incident response.

USEA collaborated with the U.S.-based firm Catalisto to oversee the technical implementation, ensuring that the solution met international standards and aligned with OST's operational requirements. Catalisto also supported the development of internal protocols and documentation to help OST independently manage, maintain, and scale its cybersecurity systems, reducing operational risk in the long term.

The project's key outcomes directly contribute to grid resilience, including real-time monitoring of OT network activity, a comprehensive digital asset inventory system to track vulnerabilities and prioritize maintenance, a practical mitigation roadmap to address potential disruptions, standard operating procedures to sustain core

functions during adverse events, and targeted training to empower OST's workforce with the skills needed to manage and expand these systems in-house.

USEA's technical assistance has equipped OST with the tools and capabilities to detect, respond to, and recover from cyber incidents. This has helped create a more robust, adaptive, and future-ready power transmission system. This initiative protects the integrity of Albania's electricity grid and improves its ability to respond to evolving operational challenges and integrate modern technologies.

This initiative highlights USEA's dedication to bolstering critical infrastructure and supporting partners like OST in developing more resilient, secure, and sustainable power systems.