

USEA Unlocks Commercial Opportunities for U.S. Energy Firms in Moldova's Grid Modernization

The United States Energy Association is driving Moldova's grid modernization while creating new commercial opportunities for U.S. energy firms. By advancing cross-border infrastructure like the planned Strășeni–Gutinaș interconnection, USEA is strengthening regional energy security and positioning American companies to deliver cutting-edge grid technologies that support Moldova's integration with the European power market.



Since 2018, the United States Energy Association (USEA) has played a vital role in supporting Moldova's integration into the European power system, culminating in the historic synchronization of the Moldovan and Ukrainian grids with the Continental European Network in 2022. Building on this milestone, USEA continues to collaborate with national partners to develop cross-border infrastructure that strengthens regional energy security and opens new commercial opportunities for U.S. energy companies.

From 2023 to 2024, USEA collaborated with the Moldovan and Romanian transmission system operators to conduct a

technical assessment of three potential 400 kV transmission corridors connecting Moldova's Strășeni substation to critical Romanian nodes: Iași, Roman Nord, and Gutinaș. Using advanced system modeling and 2030 regional planning scenarios, the study identified the Strășeni–Gutinaș line as the most robust and economically sound option. With the potential to increase cross-border transfer capacity by up to 1,191 MW, the project will transform Moldova's connectivity with the EU grid and improve reliability.

The Strășeni–Gutinaș interconnection will be a critical hub for managing future energy trade and load balancing,

demanding modern grid technologies that U.S. providers are well-positioned to deliver. The project's technical complexity and strategic relevance offer immediate prospects for American firms that specialize in smart grid solutions, system protection, and power flow optimization.

Through this initiative, USEA delivered rigorous, evidence-based technical work that mitigates risk and accelerates infrastructure development. It also set the stage for long-term commercial engagement, opening doors for American innovation to support Moldova's sustainable energy transition while promoting regional stability and European market integration.