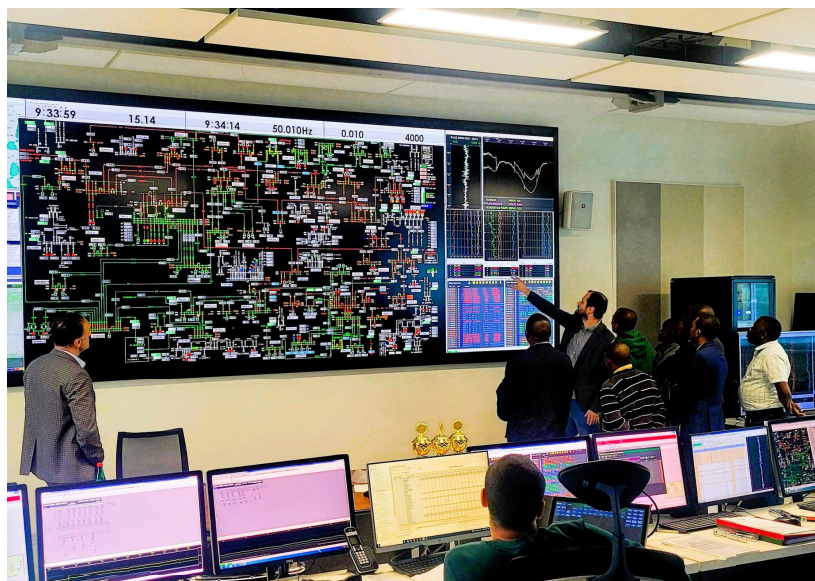


USEA Powers Regional Energy Security with Tanzania-Kenya Interconnection Support

The USEA has bolstered grid resilience and regional integration in East Africa by providing advanced technical assistance, operational planning, and hands-on training to support Tanzania's successful interconnection with Kenya. This landmark initiative has improved power reliability, enabled cross-border electricity trade, and empowered regional operators to manage an interconnected grid with greater stability and precision.



In a significant development for East Africa's energy future, the United States Energy Association (USEA) played a pivotal role in promoting regional energy security and grid integration. The USEA supported Tanzania's successful commissioning of a 400 kV AC transmission interconnection with Kenya in 2024. This transformative project has strengthened power reliability, lowered energy costs, and unlocked new opportunities for cross-border electricity trade while reducing emissions through increased reliance on clean hydropower.

Recognizing the interconnection's strategic importance, USEA partnered with the Tanzania Electric Supply Company (TANESCO) to ensure the country's grid was technically and operationally ready. Through

a comprehensive interconnection gap analysis, the USEA identified key areas for improving TANESCO's operational protocols and grid management systems and ensuring they are aligned with international standards and best practices.

TANESCO received a full suite of high-impact deliverables, including an operational planning document, interconnected systems guidelines, a roadmap for coordination processes, and a template for an inter-system operator (inter-SO) agreement. These tools now enable seamless, secure collaboration between the Tanzanian and Kenyan power systems, laying the groundwork for future energy trade and joint system operation across the region.

To build lasting capacity, USEA provided hands-on training to dispatchers at TANESCO's National Grid Control Center and to engineers from the Kenya Power & Lighting Company (KPLC). This training strengthened their skills in real-time monitoring, emergency response, and modern control room operations, empowering regional operators to confidently and precisely manage complex, interconnected grids.

USEA's strategic intervention has significantly enhanced the resilience and stability of Tanzania and Kenya's power grids, advancing the region's shared energy and climate goals. By enabling Tanzania to leverage its full interconnection with Kenya, USEA is helping to build a more secure, efficient, and sustainable energy future for East Africa.