

Fluence OS Cybersecurity

Defense-in-depth cybersecurity protects critical grid infrastructure and aligns with international cybersecurity standards.



The electric grid is a fundamental asset of modern societies, providing a consistent and reliable supply of electricity to homes and businesses worldwide. As battery-based energy storage systems become an increasingly critical component of power infrastructure, it is imperative these assets are protected from cyber threats.

Our goal at Fluence is to reduce cyber risk and strengthen customers' operational resilience. Fluence's defenseindepth approach is based on the harmonization of ISO 27001 and IEC 62443 global industry standards for IT and OT security.

Our cybersecurity practices are based on six core areas to support secure-by-design principles:



Defensible Architecture

IT/OT segmented network architecture with remote access managed by a secure VPN solution



System Monitoring

Active system performance monitoring 24/7 with real-time alerts for operator intervention



Access & Use Control

Centralized platform providing multi-factor authentication, role-based access control, and user management



Secure Development Lifecycle

Software supply chain practices mitigate vulnerabilities and support delivery of secure software



System & Data Integrity

All traffic to and from the system is encrypted and all data stored in the cloud is encrypted



System Management

Vulnerability and patch management maintain system hygiene

Fluence achieved independent, third party validation for ISO 27001 in 2024 and IEC 62443 in 2026. Fluence supports customers in meeting their regulatory responsibilities in every project scope.



Fluence Energy, Inc. (Nasdaq: FLNC) is a global market leader delivering intelligent energy storage and optimization software for renewables and storage. The Company's solutions and operational services are helping to create a more resilient grid, from powering the next generation of AI-driven data centers to unlocking the full potential of renewable portfolios. With gigawatts of projects successfully contracted, deployed, and under management across nearly 50 markets, the Company is transforming the way we power our world for a more sustainable future.

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