STRIDER FOR THE ENERGY SECTOR

Safeguarding Power Generation and Grid Reliability From Nation-State Threats

Overview

Strider provides the leading Strategic Intelligence Platform for identifying and mitigating nation-state risk. Combining open-source data with our proprietary risk methodology, we surface hidden threats that could compromise your operations and reputation.

Energy organizations use Strider to:

- Vet suppliers of grid-critical components (e.g., transformers, inverters, fiber optic cables) for hidden ownership or state ties
- Screen and monitor employees and candidates in sensitive positions, like system access controllers, before granting access to operational networks
- Identify and mitigate risks in renewables, nuclear, and conventional generation supply chains

By uniting supply chain and personnel intelligence in one platform, Strider enables energy leaders to maintain operational continuity and grid security without sacrificing efficiency or compliance.

What's at Stake

The integrity of the energy grid depends on every component, connection, and person involved—and adversaries know it. Recent incidents highlight how foreign-made hardware and compromised personnel can introduce serious vulnerabilities.

- **"Ghost Machine" Investigation (2025) –** An inquiry into Chinese-manufactured inverters revealed gaps in documentation for key communication components. The lack of transparency raised concerns that hidden vulnerabilities could be exploited to disrupt grid operations.[1]
- **Norwegian Dam Cyber-Sabotage (2025) –** A Russian-linked cyberattack temporarily took control of a hydropower dam in Bremanger, Norway. Hackers opened a floodgate, releasing water at 500 liters per second over four hours, highlighting how state-sponsored actors are targeting energy infrastructure.[2]
- **Sinovel Wind Turbine Case (2018) –** A Chinese wind turbine manufacturer stole proprietary U.S. control software, undermining a key renewable energy firm. The theft resulted in hundreds of lost jobs and significant financial losses, underscoring the long-term impact of technology espionage.[3]

Even a single weak link, whether a supplier in South Korea or an engineer in Tennessee, can expose the entire grid to foreign exploitation.

[1] https://www.reuters.com/sustainability/climate-energy/ghost-machine-rogue-communication-devices-found-chinese-inverters-2025-05-14/?
[2] https://www.reuters.com/technology/norway-spy-chief-blames-russian-hackers-dam-sabotage-april-2025-08-13/
[3] https://www.justice.gov/archives/opa/pr/court-imposes-maximum-fine-sinovel-wind-group-theft-trade-secrets#:~:text=The%20Court%20found%20that%20AMSC's,on%20Sinovel%20Wind%20Group%20LLC.

Failure to Act Can Lead To:

- **Grid Disruption & Blackouts** from compromised components like inverters with remote shutdown capabilities.
- **Regulatory Fines & Legal Action** under laws like Texas SB17 and FARA-style bills restricting procurement from adversary-linked companies.
- **Loss of Public Trust** from exposing critical infrastructure to nation-state influence.
- **IP & Operational Data Theft** from targeted recruitment of specialized talent in nuclear, renewable, and transmission operations.

What Strider Does for Energy Companies

CAPABILITY	HOW IT HELPS	STRIDER PRODUCTS IN ACTION
Protect Grid Operations	Safeguard generation, transmission, and control systems by identifying at-risk technologies, compromised components, and vulnerable personnel targeted by nation-state actors.	**Insights** Track targeted technologies and experts. **People Search** Vet hires for nation-state ties or falsified credentials.
Secure Supply Chains	Uncover hidden ownership or ties between critical suppliers (e.g., transformers, inverters, cables) and nation-state entities.	**Organizations Search** Map supplier and parent links. **Shield** Flag risky domains and comms before they reach systems.
Support Compliance	Meet state and federal compliance regulations and show due diligence in procurement and workforce vetting.	**Organizations Search** Screen suppliers to meet regulations like Texas SB 17 & FARA-style bills. **People Search** Pre-screen employees and contractors for insider risks.

Ready to Secure Your Grid & Critical Operations?

Schedule a demo to see how Strider's People Search, Organizations Search, and Shield can strengthen your frontline defenses—vetting suppliers, screening sensitive roles, and ensuring compliance with evolving regulations.

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