

EnergyStorage720 Unveils Next-Generation Energy Storage Technology to Solidify ASEAN's Independence and Security

Strategic innovation provides a scalable, domestic alternative to foreign supply chain dominance over critical grid infrastructure

WIDNAU, ST.GALLEN, SWITZERLAND, August 19, 2026 /EINPresswire.com/ -- - EnergyStorage720, a division of NATPOWER International AG, announced the launch of its breakthrough Advanced Resilient Energy Storage ("ARES") system designed specifically to address ASEAN's critical need for energy sovereignty, grid resilience, and national security. Historically, gas has been a crucial component of the region's electricity supply, and the escalating Middle East conflict has dealt a severe blow to ASEAN's energy independence. This has exposed its deep vulnerability to external fossil fuel supply chains and underscores the long-term need for renewable energy which requires a comprehensive energy storage strategy. The ASEAN community is also facing unprecedented regional geopolitical tensions and securing its energy supply chain is essential to ensure uninterrupted operational continuity for civil, military command centers and vital public utilities.

Today, the primary energy storage technology is large-scale battery energy storage systems (BESS), which are chemical in nature and present risks of thermal runaway events, and environmental contaminations. BESS represents not just hardware but also embedded Battery Management Software (BMS) which govern how they operate. As noted in the press, this foreign controlled code present significant cybersecurity vulnerabilities, as it allows the vendor to dictate how, when, and if, a country's critical energy infrastructure operates. The media reports that China controls over 90% of the global BESS market giving it unprecedented geopolitical and economic leverage. ARES' proprietary hydropneumatic energy storage technology directly tackles ASEAN's strategic vulnerabilities by eliminating dependency on foreign supply chains, while fostering economic stability through local manufacturing. ARES is a mechanical system that offers a secure, high-performance alternative to foreign sourced renewable energy storage systems and mitigates the risks of supply disruptions, economic coercion, and cyber-vulnerabilities.

Key Strategic Advantages:

Supply Chain Sovereignty : Utilizes earth-abundant, non-critical materials fully locally sourced and processed eliminating geopolitical supply risks associated with rare-earth minerals.

National Security Architecture: Domestic manufacturing eliminates the malware being implanted during battery production which could give a foreign adverse party the ability to cause widespread blackouts. Complete elimination of reliance on foreign refining, cell manufacturing, and software integration.

Cyber-Secure Architecture: Built with localized, decentralized controls designed to meet the stringent defense and critical infrastructure security standards.

Sustainability: Features a 100% recyclable design with zero operational carbon footprint, aligning with the EU's strict climate mandates.

Scalable: From modular, containerized design allowing for immediate installation in remote or high-conflict environments to grid scale, custom engineered to meet each particular need.

Flexible Deployment: Can be deployed horizontally, vertically, above or below ground preserving green spaces, agricultural areas. Without fire risk or complex cooling systems ARES can be deployed in underground bunkers proving a secure energy storage system in conflict areas.

Economic Stability: Stabilizes energy costs, and domestic production contributes to local skilled industrial employment.

"Energy security is national security," said Mdm. Nguyen Thi Nguyet Thu Chairlady of EnergyStorage720 "For too long, the Asean community has risked trading one energy dependency for another. Our new storage technology is engineered from the ground up to ensure that ASEAN institutions, military readiness, and critical infrastructure remain powered by secure, sovereign, and domestically controlled technology."

EnergyStorage720, a division of NATPOWER International AG, Switzerland, is engaged in the business of developing and commercializing alternative energy storage technologies including its proprietary ARES – Advanced Resilient Energy Storage system

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