

Pinflow energy storage s.r.o.

Energy Storage Solutions for Stationary Applications



UNIQUE SELLING POINTS

Deep expertise in flow electrochemistry, developing and manufacturing proprietary stacks, cells, and complete systems for flow batteries, electrolyzers, and related tech
High stack efficiency at high current densities, transferring advanced research know-how into commercial systems to improve performance and reduce cost per kWh
End-to-end turnkey solutions, from laboratory test platforms and pilot systems to industrial and grid-scale installations, including design, manufacturing and support
Independent scaling of power and energy capacity through a tank-and-stack architecture, ideal for long-duration storage and flexible applications
Safe and long-lasting technology based on non-flammable, non-explosive aqueous vanadium electrolytes with minimal degradation and operational lifetimes measured in decades

VISION

The company's goal is to establish flow electrochemistry as a key technology for safe, long-lasting, and cost-competitive stationary energy storage. Over the next five years, it aims to scale production, deliver its first grid-scale multi-MWh systems, further reduce the levelized cost of storage (LCOS), and expand its portfolio from laboratory platforms to fully containerized industrial installations. The company also seeks to strengthen its international presence through strategic partnerships and European projects while reinforcing its position as a leading European innovator in flow electrochemistry.

www.pinflowes.com

TECHNOLOGY READINESS

Development

Proof of concept

Prototype

› First implementation

TARGET MARKET

B2B, B2G

KEY CONTACTS

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