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Lumera Energy launches AI-powered software for the economic planning of commercial and industrial battery storage

Munich, April 28, 2025 – Munich-based startup Lumera Energy is introducing a new software platform for data-driven planning and sizing of battery storage systems for commercial and industrial applications. The platform targets battery manufacturers, installers, and companies with their own energy consumption – addressing a critical gap in the market: economically sound, site-specific planning.

Founding team of Lumera Energy: Lena Sophia Voss, Leonie Wagner, and Simon Wittner

Technology at its core

The cloud-based solution combines load profile analysis, PV generation simulation, grid data integration, and electricity price signals with machine learning-based forecasting. Based on this, the platform calculates the optimal battery size, appropriate operating strategy (e.g., self-consumption, peak shaving, dynamic tariffs, grid fee optimization), and generates a complete financial assessment including cash flow modeling.

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Key Features:

- **Site and load profile analysis** based on real consumption data and weather models

- **Detailed profitability forecasts**, including investment, operating costs, and savings potential

- **Multi-use strategies** to combine different operating models

- **Export-ready reports and proposal documents** for communication with customers, banks, and investors

The platform bridges the gap between technical feasibility and economic viability. It enables efficient evaluation, communication, and implementation of storage projects – saving time and resources in planning and sales.

More information: www.lumeraenergy.de

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