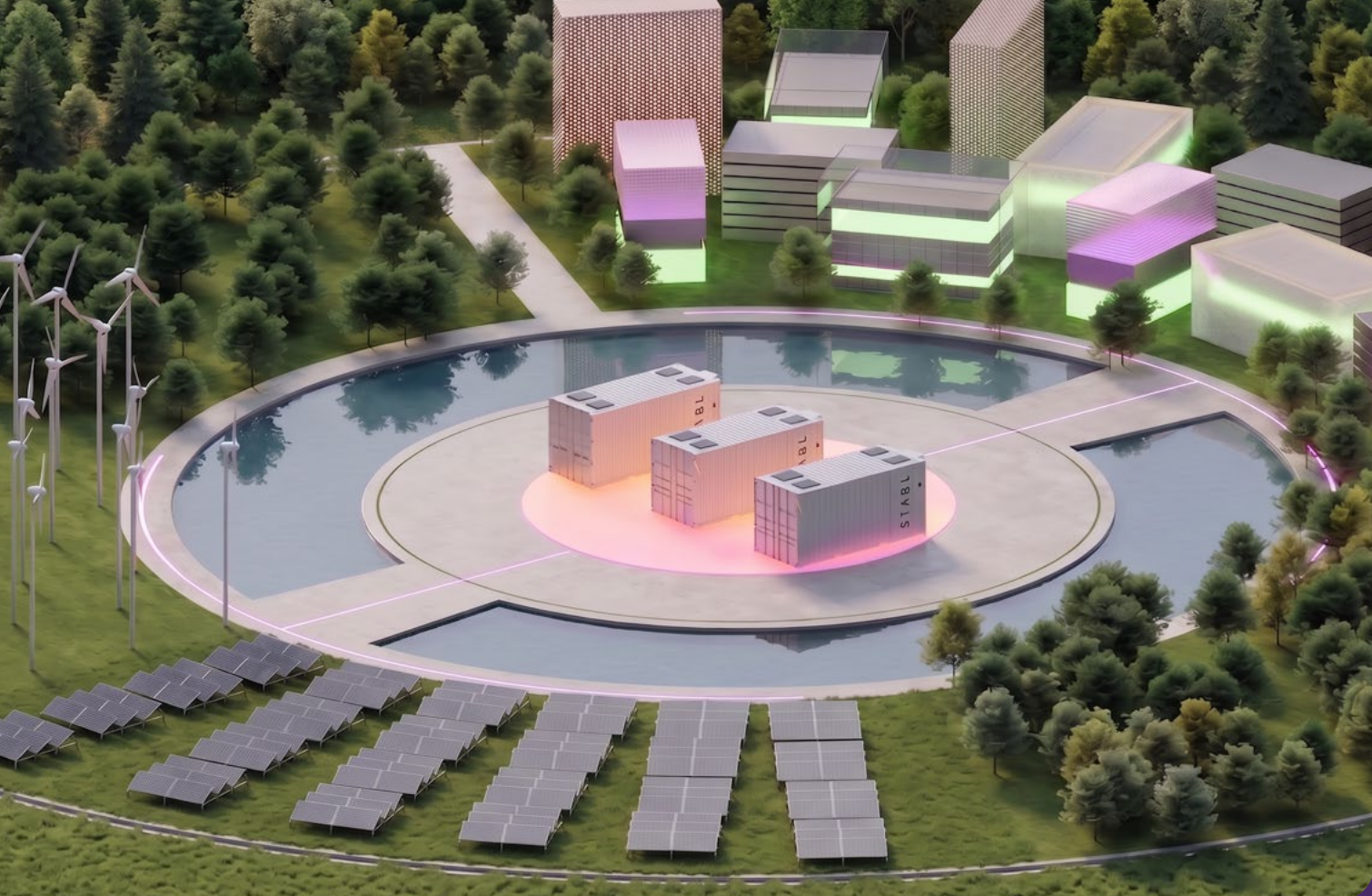
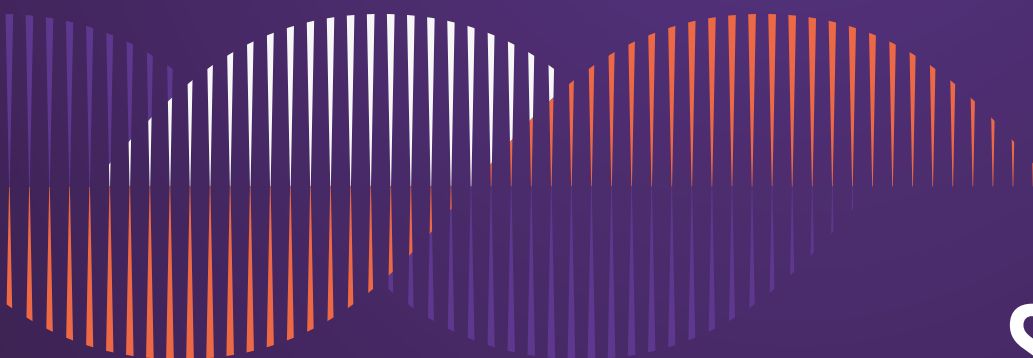




Battery Storage for the Energy Revolution



STABL

BETWEEN COST PRESSURE AND SECURITY OF SUPPLY

Energy Storage Redesigned. Cost-effective. Resource-efficient. Independent.



The situation in industry and commerce is challenging: electricity prices are rising, markets are uncertain, Renewable energy feed in is volatile, grids are under strain, and the economic pressure on businesses is growing. From the customer's perspective, this means fluctuating prices, dependence on fossil fuels, complex offers, and too many technical details that are difficult to compare.



Battery Storage: The Backbone of the Energy Transition and Part of Critical Infrastructure

- Battery storage systems effectively reduce energy costs. They smooth out peak loads, optimise grid charges, and increase flexibility in terms of self-consumption and electricity procurement. In industrial settings in particular, they thus unlock measurable economic potential.
- At the same time, storage systems make energy systems more resilient, as they enable microgrids, actively contribute to grid stability, and enhance resilience. This makes them a critical part of the infrastructure.
- Storage systems are also gaining strategic importance: predictable payback periods of 4 to 7 years align with growing demands for energy sovereignty. Second-chance batteries extend lifecycles, reduce raw material requirements and strengthen independent, European value creation.

PATENTED MULTILEVEL INVERTER TECHNOLOGY

A Second Chance, Full Performance: Resource Efficiency for a 100 % Circular Economy

Electric vehicle batteries that have never been built into a car or have completed their first life cycle in a vehicle are anything but 'used up'. With 70 to 80 % of their capacity remaining, they are ideal for stationary storage applications and can continue to be used there for around 10 to 15 years.

- **Modular Multilevel Inverter Technology**
Our patented modular approach simplifies the design of energy storage systems and enables a particularly resource-efficient use of first-, zero- or second-life batteries.
- **Loss-Free, Automated Balancing**
Energy storage systems can thus be operated more efficiently and cost-effectively than with conventional inverters, whilst offering a longer battery lifespan and generating less waste.
- **Smart Battery Management**
The intelligent interconnection and analysis of the batteries protects the cells, optimises performance and enables simple control of the entire storage system.



Taking back used vehicle batteries will pose a major challenge for the economy and the environment in the future; rare resources must be used sparingly. This is where our unique technology comes into play.



Dr. Nam Truong,
CEO & Co-Founder

6 Good Reasons for Zero Life. Giving Batteries a Second Chance in Stationary Energy Storage.

Capacity That Remains. ∞

Reduced battery degradation and stable capacity, extended service life and lifelong module repowering.

36 x Redundancy. 📄

Guaranteed operation with maximum uptime – no downtime even in the case of multiple failures.

94.6 % Efficiency. ⚡

Up to 70 % OPEX savings thanks to 94.6 % round-trip efficiency (RTE).

Easy Repowering. 📄

Full flexibility at the module level, regardless of cell chemistry, manufacturer or age. Specific replacement of individual modules without downtime. Extended system lifespan.

Know More at Cell Level. ☁️

Cloud-based remote monitoring provides real-time data and a unique level of detail, ensuring maximum uptime and enabling predictive maintenance.

Safe & Silent Operation. 🛡️

Safe low-voltage system without the need for complex cooling, easy module replacement, and quieter than standard models, with a noise level of <65 dB(A).

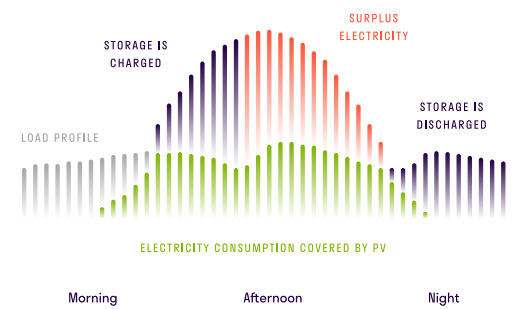
STORE ENERGY. UNLOCK POTENTIAL.

Applications from Single to Multiple Use Cases

Battery storage systems are pioneering the way for an independent, stable, and resilient energy future. Whether for reducing peak loads in industry and commerce, as large-scale storage for grid stabilisation, or as an investment for electricity trading – the applications for an independent and sustainable energy supply are diverse.

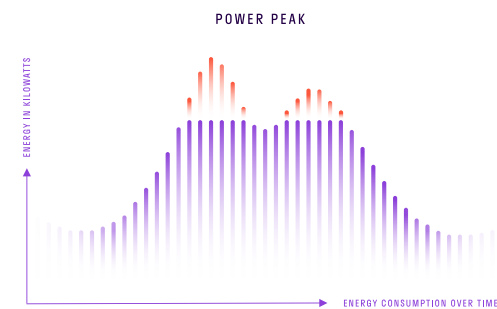
Self-Consumption Optimisation

Store surplus energy from renewable sources and use it yourself when needed to achieve a 100% self-consumption rate and self-sufficiency.



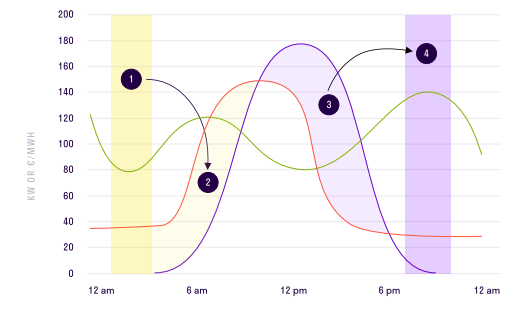
Atypical Grid Usage through Peak Shaving

Reduce grid fees by up to 80% and benefit from long-term, cost-effective grid access.



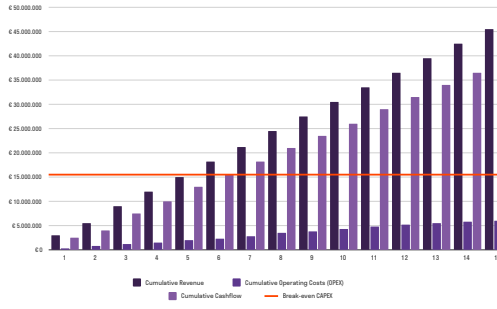
Electricity Price Optimisation

Flexibility in purchasing beats the market: use smart controls to shift your electricity consumption to off-peak periods and take advantage of dynamic electricity tariffs.



Intraday & Arbitrage Trading

Buying and selling electricity smartly: capitalising on price fluctuations in the electricity market, generating additional revenue, and keeping the grid stable.



At STABL, we know that a battery storage system is not a 'one-trick pony'. When storage systems are integrated into a smart, interconnected application and management concept, energy costs turn into a source of revenue. With our multi-use strategy, we'll show you how to make this happen.

CONTAINER: HIGH-PERFORMANCE STORAGE SOLUTION

Reliable. Scalable. Resource-efficient.

Our 20-foot container offers a scalable solution with a nominal storage capacity of 1,958 kWh and an output of 405 kW.



Second-chance Batteries in Storage. Expertise No One Else Offers.

- Maximum energy efficiency and flexibility
- Robust safety and long battery life span
- Technical specifications:
 - AC-coupled battery storage system
 - 94.6% round-trip efficiency (RTE)
 - 4-stage safety concept including a fire and gas detection system and an explosion protection mechanism
 - Operates at temperatures ranging from -20 to +40 °C
 - Performance guarantee of 10 years or 5,000 cycles with 75% remaining capacity. This can be extended as an option to up to 12 years or 7,000 and 15 years or 8,000 cycles with 75% remaining capacity.
- Reliable power supply with a focus on cybersecurity, data control and independent supply chains

Award-winning Expertise



The pv magazine Award 2025 in the BESS category for our innovative approach in the commercial and industrial sector, featuring a modular multi-level converter (MMC) that breathes new life into second-chance batteries. A strong endorsement of our technology, which tackles real-world challenges in the energy sector.

REAL OPINIONS FROM REAL-WORLD CUSTOMERS

Turning Practice into Success: Customer Stories and References

Our storage solutions demonstrate, across a wide range of industry applications, what resource-efficient technology can achieve in practice: customers from the commercial, industrial sectors, and agriculture as well as charging infrastructure and electric fleet operators, rely on the efficiency, maximum performance, and reliability of our battery storage systems.

At the same time, **strong partnerships are the key to sustainable success**: together with solar installers, EPC service providers, project developers and energy service providers, we create energy systems that set the standard for satisfied customers and a successful energy transition.

Mantos Int. Food GmbH with Partner MAXX SOLAR & ENERGIE



“We aimed to specifically reduce peak loads in production and at the same time increase the self-consumption of our photovoltaic system. It was particularly important to us to find a solution that works today and can be expanded tomorrow. Thanks to the intelligent combination of battery storage, photovoltaics and energy management, the site is optimally prepared for future requirements such as time-variable electricity tariffs.”

Ralf Weber, General Manager of Mantos Int. Food GmbH

“We wanted to offer a solution that makes sense not only from an environmental perspective, but also from an economic one. Through our close partnership with STABL Energy, we combine our experience in project implementation with their innovative storage technology, thereby demonstrating how companies can use smart system integration to make their energy supply sustainable and self-sufficient.”

Tim Suchomel, General Manager of MAXX SOLAR & ENERGIE GmbH & Co. KG



Erdenwerk Gregor Ziegler GmbH

“After several discussions with various storage manufacturers, STABL Energy impressed us the most from a technical point of view. Unlike central inverters, STABL’s modular approach offers direct control advantages, as each battery module can be managed individually. This optimises energy consumption and enables optimum monitoring of band loads.”

Matthias Ziegler, General Manager of Gregor Ziegler GmbH



Full of energy and up to date: the **STABL newsletter** delivered straight to your inbox every month!

REGISTER NOW!

WE ENABLE YOUR BATTERY STORAGE BUSINESS

Scaling Your Energy Projects with Smart BESS

At STABL Energy, we believe that the energy transition can only succeed if we join forces. That is why we focus on building strong partnerships with local electricians, solar installers, project developers and design firms who, like us, are committed to a climate-neutral future.

Our comprehensive partner program and our **360° services** provide you with everything you need to implement projects efficiently and cost-effectively. Expand your portfolio with us and unlock new long-term revenue potential with our multi-use battery storage systems.



Support



At every stage of your project and handover of genuine customer leads

In-depth Specialist Knowledge



Thanks to special training courses and interactive webinars



Our partner portal



Local and German-speaking support “grown in Germany”

Comprehensive 360° Service Package for Your Partner Enablement



In-depth project preparation:
feasibility study, simulation & dimensioning

Seamless project management:
training, permits, fire safety and grid access

Efficient everyday operation:
cloud-based monitoring & predictive maintenance



"We Believe that Net Zero and Energy Sovereignty Starts with Smart Storage."

PIONEERING THE WORLD'S TRANSITION TO NET ZERO

About STABL Energy's Mission

We make energy storage stable and secure the future of energy. Our storage solutions extend battery life cycles and encourage the sustainable use of resources. Our approach is simple: we never recycle a battery too soon. Instead, we maximise their useful life and efficiency. In doing so, we make a significant contribution to the decarbonisation and resilience of Europe's energy supply.

As a technological pioneer and provider of resource-efficient electricity storage, we have redefined storage solutions with zero life and second chance batteries. We are paving the way for a net-zero energy system in industry, commerce, agriculture, e-fleets, and charging infrastructure. For better energy cost optimisation, grid benefits, and power supply resilience in Europe.



REQUEST
A PROJECT



BECOME A STABL
PARTNER



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