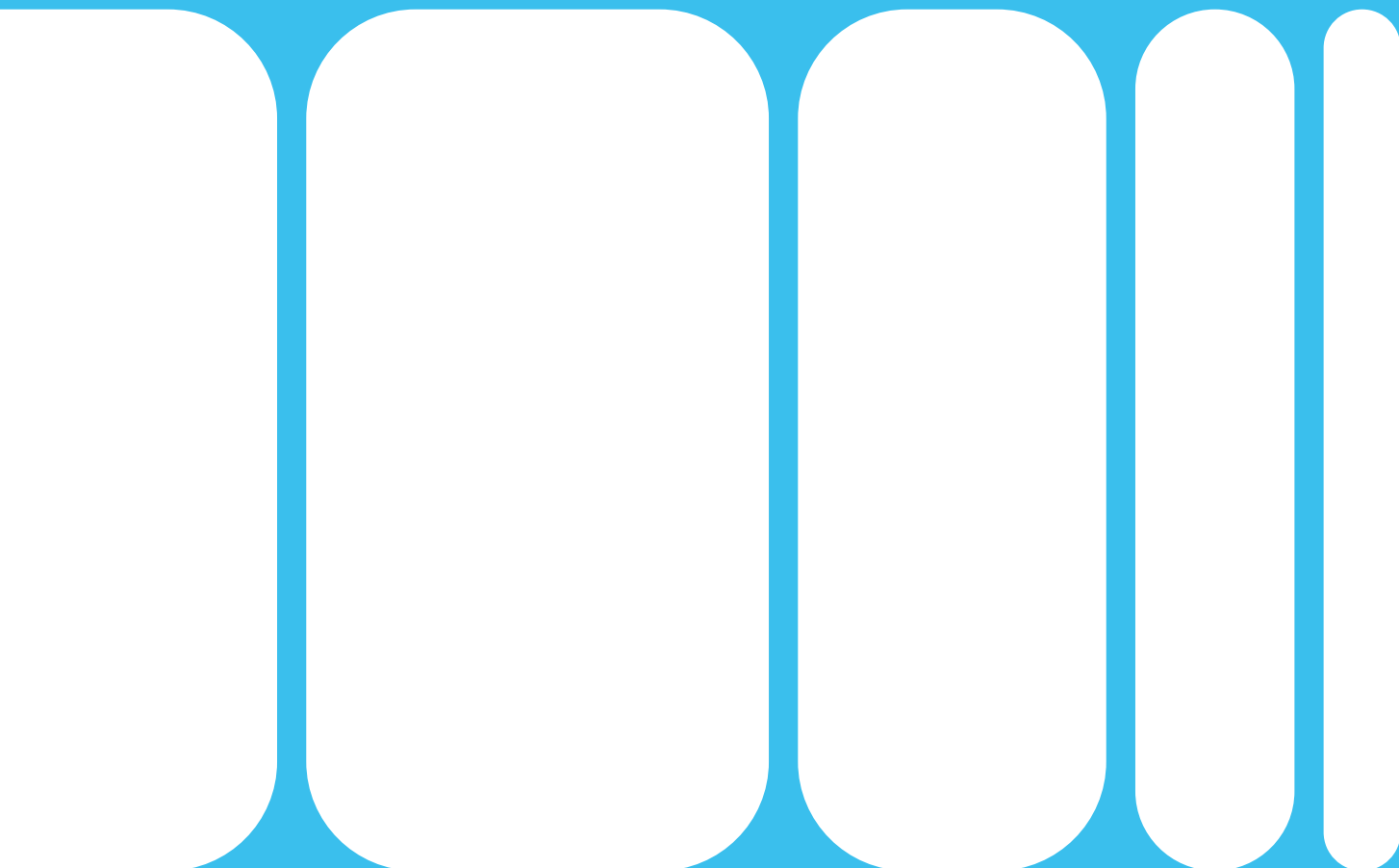


IT'S YOUR ENERGY JOURNEY

Storage solutions
for commercial and
industrial applications





Solving the energy challenge as a

COMPETITIVE LOCATION ADVANTAGE

Introduction

Flexible Energy Journeys are the key

Since 2011, we have been developing energy storage systems and our proprietary energy management system, FEMS, with a clear objective: achieving a 100% renewable energy transition. Addressing the global energy challenge is one of the defining tasks of our generation — and we already have the technologies needed to make it a reality. Solar, wind, energy storage, and intelligent energy management together form the backbone of a sustainable energy system.

Every Energy Journey begins with a decision: to make your energy supply both cost-efficient and future-proof, and to harness the opportunities offered by sustainable, green, and affordable technologies. Intelligent large-scale storage systems play a central role in this transformation. They reduce electricity costs, minimize the need for expensive grid expansion, and generate additional revenue on the energy market — today and in the future.

Whether you are a commercial enterprise, an energy-intensive industry, a logistics center, a solar park operator, or a charging infrastructure provider, our industrial energy storage systems enable you to turn energy into a true competitive advantage.

Energy requirements evolve over time. New production facilities, charging infrastructure for electric cars and trucks, shared use of existing grid infrastructure, and changing regulatory frameworks — FENECON energy storage systems adapt seamlessly to these developments.

- Long-lasting, high-quality batteries from the premium automotive sector
- Flexible rental and purchase models
- Interfaces with energy trading partners
- Intelligent FENECON energy management system (FEMS)

Always choose the solution that is most economical and efficient for your needs — because every Energy Journey is unique.

Let's shape the future of energy together:

"IT'S YOUR ENERGY JOURNEY!"

START YOUR ENERGY JOURNEY



Today



Self-consumption optimization



Cyber Security &
Data protection

Tomorrow



Multi Use



Service
agreement



Grid charges



Dynamic tariffs

In the future



Cost-benefit analysis



Repowering



Battery storage solutions



Made in Germany

Project solution

Automotive-grade
batteries

Self consumption
optimization

Additional FEMS
applications

Flexible procurement



Rent (FERESTO)

Hire purchase (FERESTO)

Co-Investment
(FERESTO)

Leasing

Energy trading



Co-Location

Stand-Alone

Cut costs for commercial and industrial applications



Avoidance of
grid expansion

Dynamic tariffs and
grid charges

Avoidance of system
curtailment (PV sys-
tems, grid connection
points)

Peak shaving

E-mobility



Depot store

Procurement
optimization

Load and
time shifting

Gridbooster



Comprehensive battery storage solutions

We offer project support, maintenance, and service for a future-proof energy supply

With FENECON, you benefit from a holistic, end-to-end solution for your battery storage project

With FENECON, you benefit from a holistic, end-to-end solution for your battery storage project. From planning through to commissioning, a dedicated expert supports you throughout the entire process — covering system design, site and foundation requirements, delivery, and installation. With profitability analyses and independent expert assessments, we ensure the bankability of your project and provide comprehensive support with all required documentation and analyses.

Sustainability that works

We use new automotive-grade batteries from available premium production quotas, ensuring the highest standards of quality and safety — including liquid-based thermal management, advanced battery management systems (BMS), and proven e-mobility standards. This approach helps conserve valuable resources and reduce CO2 emissions. Thanks to our intelligent and modular platform architecture, your system remains future-proof over the long term. Components such as batteries can be easily replaced — even after years of operation or in the event of performance degradation. Together with our premium partners, we take back used components and return them to the circular economy.

Individual planning & consulting

We assess your requirements and work closely with you to develop the solution that best fits your needs.

Complete Implementation

From design and installation to commissioning — everything from a single source, delivered by FENECON and our premium partners.

Partner network

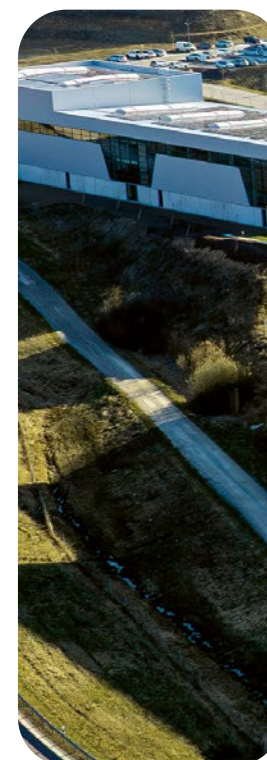
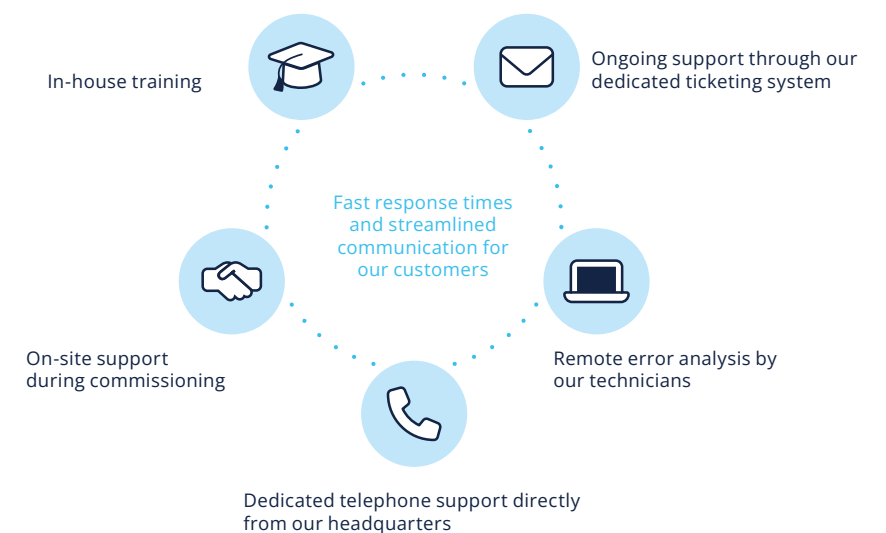
Trained specialist partners for rapid implementation of our maintenance and service offerings on site in Germany, Austria, and Switzerland.



The team behind your project

In-house Service for Maximum Performance

FENECON's comprehensive in-house service network, including 24/7 availability, training, and maintenance, ensures that your system operates at peak performance at all times. As your requirements evolve, repowering, the replacement of older batteries with new ones, can be carried out seamlessly. Thanks to its modular design and "Made in Germany" quality standards, you benefit from a powerful, future-proof energy storage system built for long-term success.





Customer-centric financing

Purchase, leasing, rental, or co-investment — offering maximum flexibility for your individual needs

Our energy storage systems are as flexible as your energy needs. You can buy, rent, lease, or choose hire purchase. Together, we will find the best solution for your current situation.

For companies that need to act quickly, for example due to limited grid capacity, transformer delivery delays, seasonal demand or restricted financing, renting energy storage systems through our wholly owned subsidiary FERESTO is a particularly attractive option.

Buying is always an option and is especially suitable for long-term planning if you want to own the storage system from the beginning.

If you want to avoid upfront investment and instead use a energy storage for a monthly fee, we now also offer leasing options. We work with trusted leasing partners to offer you competitive leasing solutions for your storage system. At the end of the term, you can simply choose to take over the system and continue operating it. This financing model enables cost savings from day one, is easy to integrate into your cash flow and offers long-term flexibility.

With hire purchase, you can initially test how the system performs in your operations and later acquire it in full or, if needed, switch to a larger or smaller model.

For companies looking to unlock additional business models, we recommend our co-investment approach: together with FERESTO, you invest in battery storage systems for energy trading on the electricity market or for providing grid services.

Customers benefit directly from FENECON's years of experience, while FERESTO takes on a large share of project development and operational management, significantly reducing entrepreneurial risk. You can get started right away by providing a suitable site and grid connection point.

With these flexible financing models, we ensure that every company finds the right and economically viable energy storage solution.

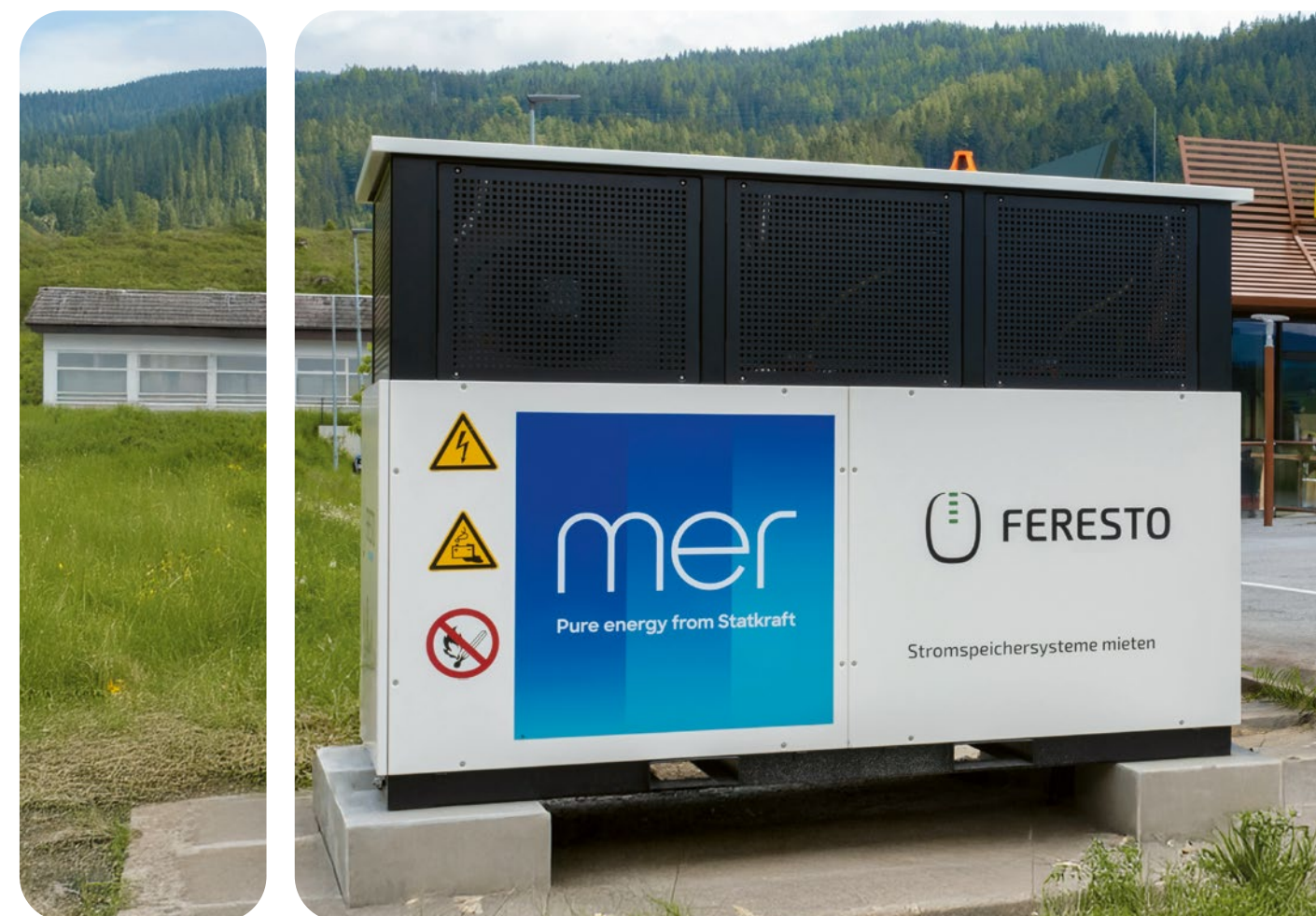
FERESTO rental storage units as grid boosters for Mer charging stations

“With the storage system, we can now operate both charging stations that we have installed here at full capacity. We have 150 kW of connected load per charging station and, with the addition of the storage system, we can now operate both at full capacity.”

Benjamin Machalik (Project Management, Mer Austria GmbH)



The project as a reference video





Earn money with your battery system

Energy trading, grid services, and flexible deployment options

Earning revenue from energy storage through energy trading and grid services opens up significant potential, but also places high demands on technical implementation and market expertise. FENECON does not carry out trading activities itself. Instead, we provide open interfaces that enable the seamless integration

of established market participants using their own trading algorithms. Drawing on our experience with numerous providers and successfully implemented projects, we support you every step of the way — from economic feasibility analysis to identifying the right financing solution.



There are essentially three models to consider for the location of your storage system: Stand-alone and co-location as gray or green electricity storage

In the stand-alone version, the battery system is connected directly to the grid — without any other consumers or generators — which allows for virtually unrestricted energy trading. However, current and future regulatory requirements imposed by grid operators can complicate and delay the project implementation process.

A simpler and faster approach is often the co-location model, where energy storage systems share a grid connection point with a PV or wind power plant. As these generation systems are weather-dependent and don't operate at full capacity continuously, energy storage can be used to generate additional income during these time periods.

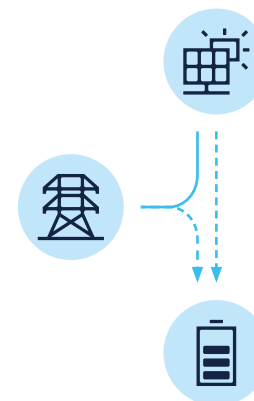
Additionally, grid operators are already set up to accommodate the maximum output of generation assets around the clock, allowing additional capacity to be utilized for the battery storage via the same grid connection point. Despite minor limitations in storage operation, you benefit from significant cost advantages and a comparatively straightforward grid connection approval process.

Green energy storage systems are an innovative solution for integrating battery storage into your generation plants in a targeted and economical manner — without grid expansion or construction subsidies.

With a green energy storage system, you can connect your own renewable energy source directly to a marketable battery storage system for time-delayed feed-in of solar or wind power. This means that every kilowatt-hour can be transparently tracked and marketed as green electricity.

Green electricity storage systems can achieve high economic efficiency even without drawing additional power from the grid—provided that the marketer leverages opportunities in the energy market. The option to expand the system at a later stage, including drawing electricity from the grid, can further increase returns at suitable locations.

From selecting the right marketers and financing models to successfully implementing your project, FENECON provides expert support in both cases so that you can integrate your battery system into the electricity market in the most economically and technically efficient way.



Learn more in our webinar
“Green energy storage as a shortcut
to energy trading.”



Check out our
reference projects here



Smart energy storage for your business

Greater resilience, lower energy costs, and additional revenue potential for agriculture, public institutions, commerce, and industry

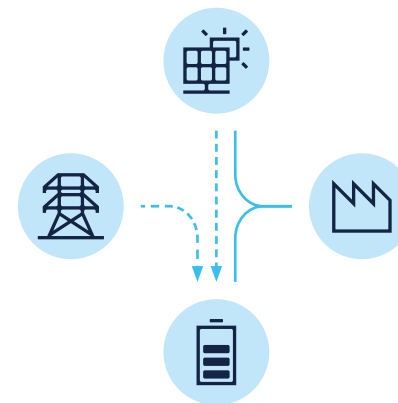
Our energy storage systems can implement applications such as optimizing self-consumption, integrating Time-of-Use Tariffs or Time-Variable Grid Charges, reducing grid charges through Peak Shaving, avoiding grid expansion as a buffer storage, and also preventing plant curtailment, so that you can use your self-generated energy as unrestrictedly as possible.

The interaction between these applications is intelligently controlled by the FENECON Energy Management System (FEMS) or another energy management of your choice, which can seamlessly access our storage systems thanks to an open interface. In this way, multiple use cases can be implemented simultaneously — in the sense of a multi-use approach — to meet various operational requirements.

Small and medium-sized enterprises (SMEs), in particular, can increase their resilience to rising energy costs, safeguard themselves against energy crises, and strengthen their long-term competitiveness.

FENECON provides tailored consulting services to support this: we analyze your specific requirements and, together with our partners, develop a customized solution that is both economically viable and technically sound.

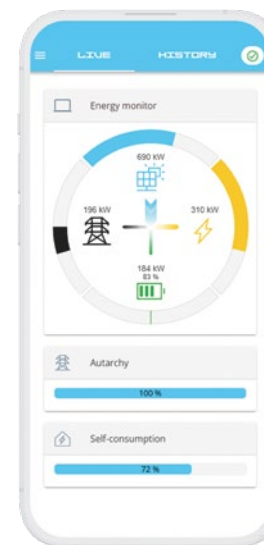
It is already clear today that, in the near future, energy storage systems will also participate in energy trading during periods of low demand—such as at night—to unlock additional revenue streams and further reduce energy costs.



FENECON Energy Management System (FEMS) — a system that selects the best route every day

Essential

FEMS, our award-winning Open-EMS energy management system, is the core of your energy system. The integrated Online Monitoring gives you full control over your energy at all times. Your data is always protected thanks to a security-by-design approach, hosting on German servers, and a development team based entirely in Germany. All processes are fully compliant with German data protection regulations and IT security standards.



More information about FEMS



Test it yourself with demo access

A reference model for the highly-efficient Multi-Use application.

The starting point

A typical mid-sized manufacturing company operates five days a week. While the PV system reduces energy costs, electricity generated over the weekend often remains unused on-site, while expensive grid electricity must be purchased when production resumes on Monday. Additionally, high grid charges driven by production-related peak loads represent a significant cost factor.

The solution: FENECON Industrial M with FEMS

- System: Industrial M (outdoor installation) with 368 kW output and 904 kWh capacity
- Tariff model: Transition from a fixed electricity price to a Time-of-Use Tariff (spot market)
- Strategy: Intelligent Multi-Use combination via the FEMS App

The Multi-Use concept: three benefits in one system

The FEMS energy management system combines three applications simultaneously to significantly reduce amortization time:

1. **Atypical Grid Utilization (the key revenue lever)**
Instead of merely reducing individual peak loads (Peak Shaving), the system targets “atypical grid usage” in accordance with Section 19 (2) Sentence 1 of the German Electricity Network Charges Ordinance (StromNEV).
2. **Time-of-Use Tariff & Energy Trading**
FEMS stores low-cost weekend electricity and uses it to power production on expensive Monday mornings, minimizing energy costs.
3. **Self-Consumption Optimization (SCO)**
Maximizing the direct use of self-generated electricity instead of drawing from the grid.

Conclusion

By combining **atypical grid usage** (fixed cost reduction) with **Time-of-Use Tariff** (variable cost reduction), the storage system pays for itself significantly faster than with Self-Consumption Optimization alone.



Check out our reference projects here





Efficient e-mobility

Discharge transformer load, cut electricity costs, and generate additional income

Applications and use cases

- Public charging park
- Company charging park
- Depot charging in logistics

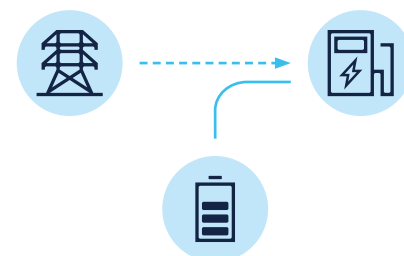
These advantages apply to both public and corporate charging parks, as well as depot charging in logistics, where large roof areas can be optimally utilized for PV systems. The energy storage system enables solar power generated during the day to be shifted to nighttime use—for example, to charge electric trucks or other fleet vehicles. This reduces the need for costly grid expansion and significantly improves the economic efficiency of the e-mobility concept.

A FENECON energy storage system can cushion peak loads, reduce the load on the transformer, enable smaller system sizing, lower grid charges, and minimize operating costs.

In addition, the storage system can be used for electricity trading during charging breaks—for example, at night—to generate additional revenue. At the same time, charging parks can optimize procurement through time and load shifting, ensuring that electricity generated by rooftop PV systems is used in line with demand. Dynamic load management also ensures that charging is throttled when power availability is limited and intensified when electricity prices are low.

The FEMS App Charging Park enables seamless integration of external load management systems, enhancing the FENECON energy management system with broad compatibility across charging station manufacturers and an integrated billing backend. The storage system becomes the key element for cost optimization—covering Peak Shaving, Self-Consumption Optimization, Time-of-Use Tariff, or a combination of all of them. Especially in large charging parks, downstream load management can efficiently handle load distribution.

These advantages apply to both public and corporate charging parks, as well as depot charging in logistics, where large roof areas can be optimally utilized for PV systems. The energy storage system enables solar power generated during the day to be shifted to nighttime use—for example, to charge electric trucks or other fleet vehicles. This reduces the need for costly grid expansion and significantly improves the economic efficiency of the e-mobility concept.



NEFTON research project: Charging with up to one megawatt

The cost-effectiveness and sustainability of battery-powered trucks can be significantly increased through megawatt charging with the new MegaWatt Charging System Standard (MCS). At FENECON, we are proud to be part of this project!



Check out our
reference projects here



More about the
NEFTON project





Our product portfolio



COMMERCIAL 50

50
Power in kW¹

28-210
Capacity in kWh



COMMERCIAL 100

100
Power in kW¹

39.2-420
Capacity in kWh



INDUSTRIAL S

184
Power in kW¹

164
Capacity in kWh



INDUSTRIAL L

736
Power in kW¹

1,288
Capacity in kWh²

>95 %
Overall efficiency in actual operation (AC/AC)³



COMMERCIAL 92

92-460
Power in kW¹

84-1,050
Capacity in kWh



INDUSTRIAL M

184-368
Power in kW¹

452-904
Capacity in kWh²

>95 %
Overall efficiency in actual operation (AC/AC)³



INDUSTRIAL XL

1,500
Power in kW¹

4,072
Capacity in kWh²

>95 %
Overall efficiency in actual operation (AC/AC)³

¹ Nominal power at nominal voltage. The actual power depends on additional factors such as state of charge, ambient temperature, and cell temperatures.

² Installed gross capacity

³ For further information, please refer to our applicable documents at docs.fenecon.de/en



Your applications

Tailored solutions to suit your needs

	Commercial 50	Commercial 92	Commercial 100	Industrial S	Industrial M	Industrial L	Industrial XL
INDUSTRIAL AND COMMERCIAL APPLICATIONS							
Peak-Shaving	✓	✓	✓	✓	✓	✓	✓
Self-Consumption Optimization Time-of-Use Tariffs	✓	✓	✓	✓	✓	✓	✓
Multi-Use				✓	✓	✓	✓
ENERGY TRADING							
Optimized PV Feed-In	coming soon	coming soon	coming soon	✓	✓	✓	✓
Arbitrage, PRL and Trading						✓	✓
E-MOBILITY							
Small charging parks	✓	✓	✓	✓	✓		
Large charging parks		✓	✓		✓	✓	✓
Office buildings and small businesses (Gridbooster)		✓	✓	✓	✓		



About

the company

FENECON is the leading hardware and software specialist for energy storage solutions in the residential, commercial, and industrial sectors. All storage models feature the proprietary FEMS energy management system, with which FENECON has significantly influenced OpenEMS, the world's most successful open-source energy management system. The numerous FEMS applications in the product portfolio enable energy management that supports the grid and the energy transition, as well as intelligent sector coupling.

FENECON was founded by Franz-Josef Feilmeier and is a Bavarian family business with a high level of innovative strength. The team consists of experts in

the integration of electricity storage, e-mobility, and photovoltaics into a sustainable energy environment. It is highly regarded for its technical expertise, flexibility, speed, and reliability.

The expert in electricity storage and energy management is committed to a future with 100% renewable energies. The company is headquartered in Iggenbach, with additional locations nearby in Deggendorf and Albersdorf (Vilshofen a. d. Donau) as well as in Greenville, South Carolina, in the US, where it also forms the interface between the remaining electric vehicle battery and the large-scale storage system.



> 380

employees

2

managed by 2 brothers

> 40,000

systems delivered

3

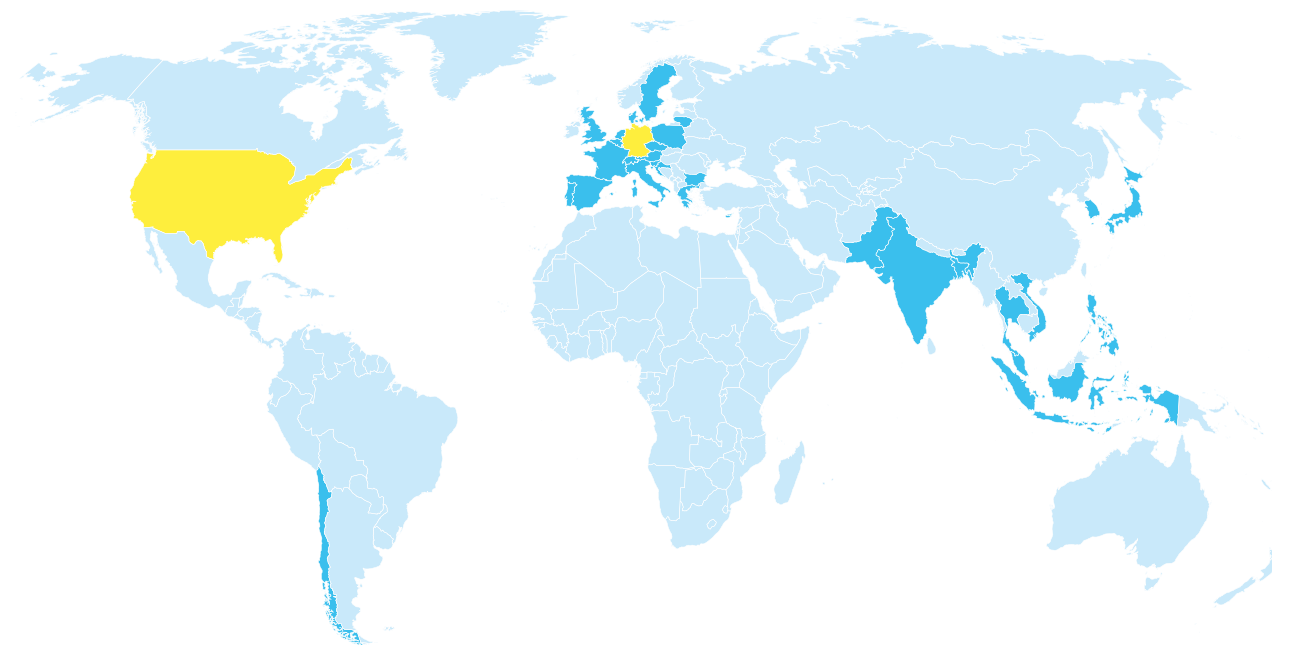
Business Units

130

million euros of revenue in 2025

2011

year of foundation



1

business location in the US

3

business locations in Germany

> 20

countries supplied, including 5 Country Partners

Our vision

The 100 % Energy Transition

The future of energy is decentralized, renewable and intelligently managed — and it starts today! With FENECON systems, the FEMS energy management, and FEMS Apps we build the foundation for a flexible, independent and sustainable energy system.

Each Energy Journey is unique. Whether you are aiming to optimize your PV self-consumption, couple the sectors of mobility and heat, or integrate your system with the energy market — FENECON allows you to stay in control of your energy. No subscriptions, the freedom to choose manufacturers, and always ready for tomorrow's requirements.

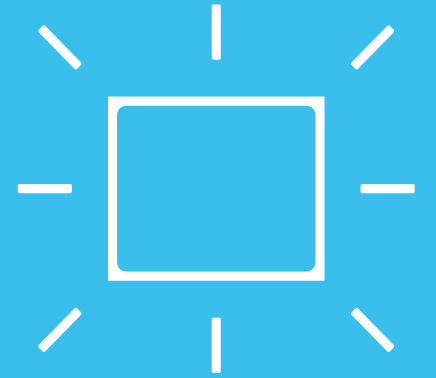
Let's master the energy transition together — Efficient, economical and future-proof.

IT'S YOUR ENERGY JOURNEY!

Every journey begins with a first step.
Start your Energy Journey with us now!



To our
Country-Partners' contacts



OUR
VISION
FOR THE
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