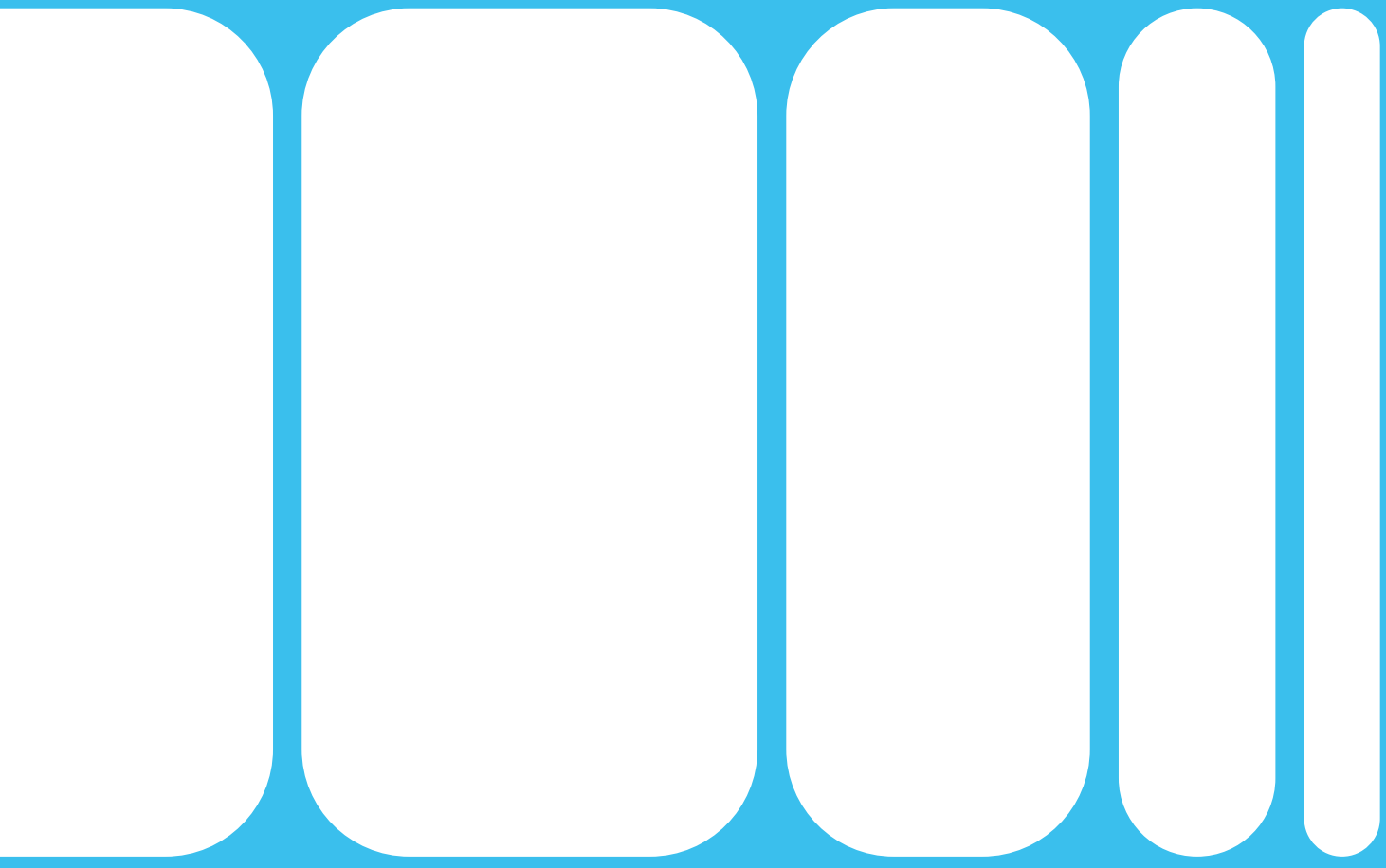
FENECON

Energy reimagined!

INDUSTRIAL SOLUTIONS



Our DNA

Since 2011, FENECON has been driven by the vision of a 100% energy transition. As an owner-managed company led by Franz-Josef Feilmeier, we are not focused on short-term profit, but guided by the conviction that energy supply must be independent, sustainable, and intelligent.

The core of the system: FEMS & Multi-Use

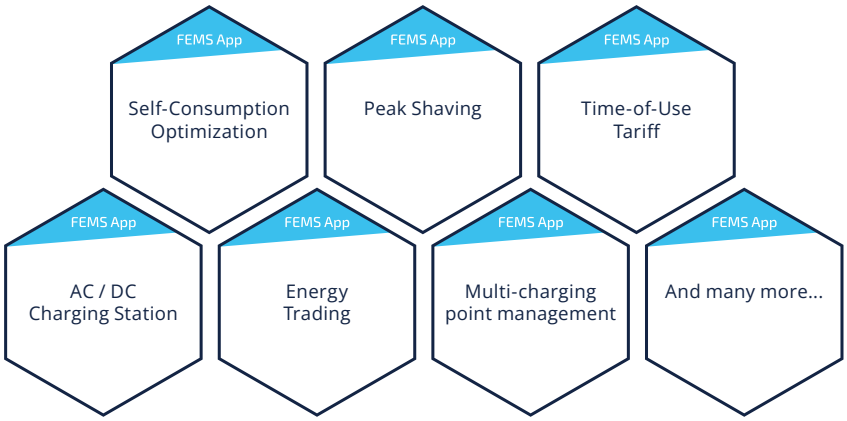
A battery storage system is only as good as its control system. Our FEMS (FENECON Energy Management System) is a market-leading open-source solution that turns your commercial or industrial storage system into a perfectly tailored fit.

Multi-Use: Thanks to proprietary apps, multiple applications can be controlled and optimized simultaneously, rather than operating in isolation.

The 5 key use cases:

1. **Self-Consumption Optimization (EVO):** Maximizing the share of self-generated electricity (e.g. from PV) used on-site instead of feeding it into the grid at lower rates.
2. **Peak Shaving:** Targeted reduction of high consumption peaks to significantly lower grid fees and relieve the grid connection.
3. **Time-of-Use Tariffs:** Intelligent electricity procurement on the energy market when prices are low (or negative) — automated in 15-minute intervals.
4. **Charging Infrastructure:** Control of wallboxes and charging stations, including dynamic load management for your fleet.
5. **Energy Trading:** Enabling participation in energy markets via open interfaces (e.g. ancillary services or spot markets).

The following excerpt illustrates the Multi-Use potential of FEMS and demonstrates the parallel use of multiple functions:



The Benchmark

"The reference model for highly efficient Multi-Use."

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

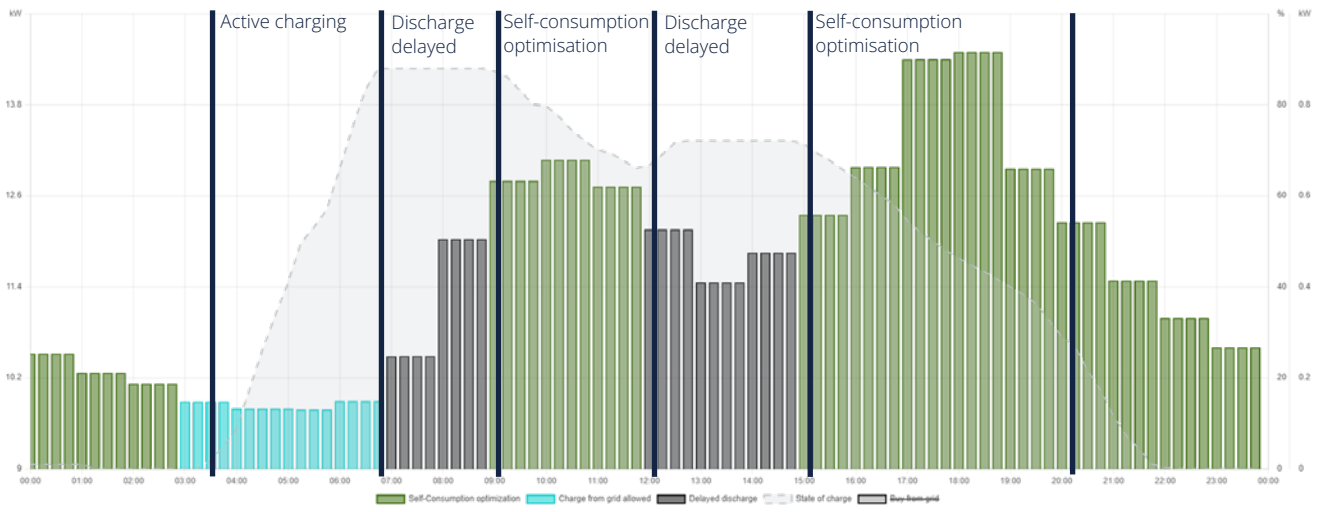
The FEMS energy management system combines three applications simultaneously to significantly reduce amortization time:

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.

Fully-automated through forecasting and AI-optimized scheduling



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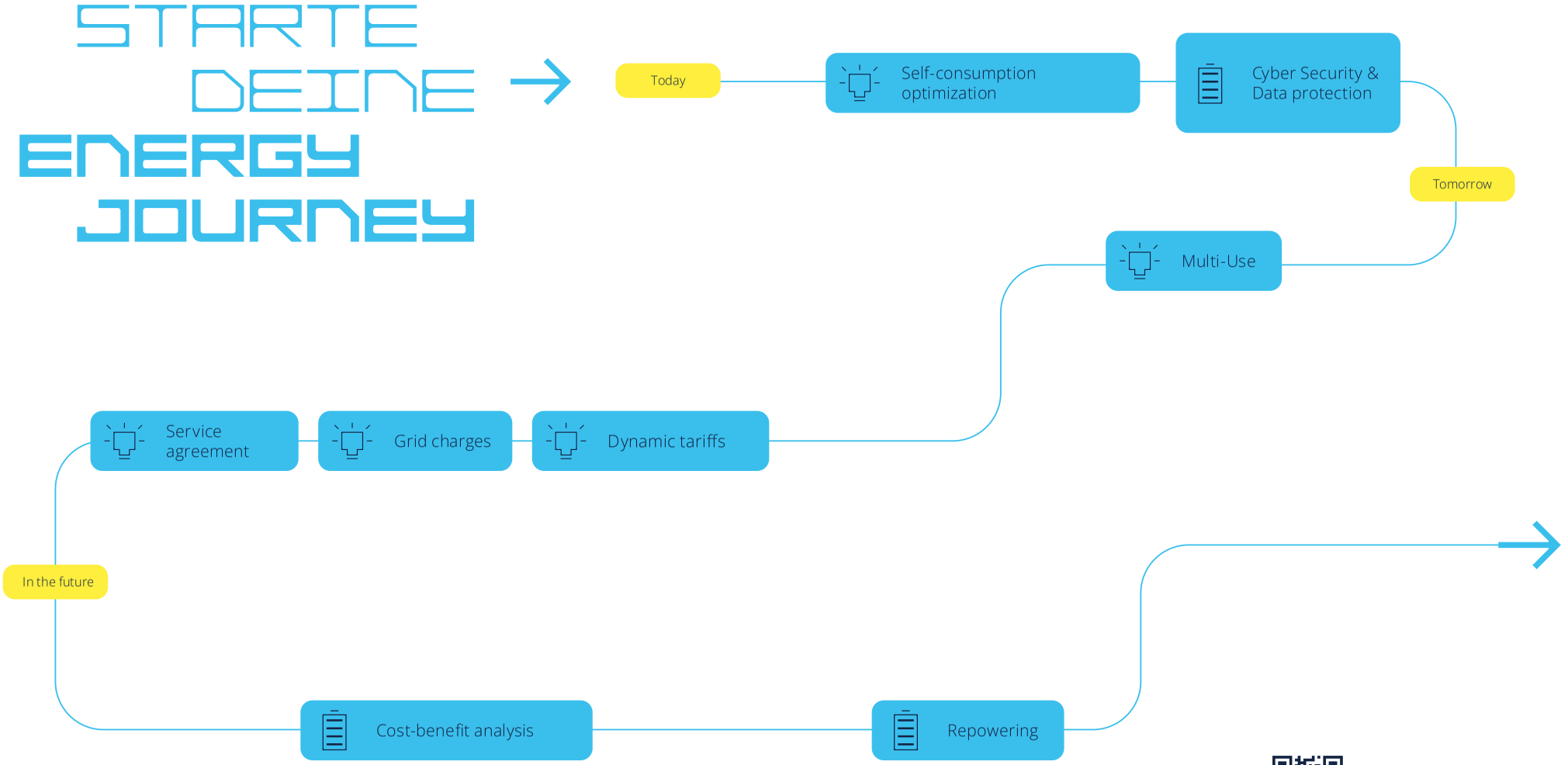

Read more about our reference projects

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 systems, grid connection points)
- Peak shaving

E-mobility

- Depot store
- Procurement optimization
- Load and time shifting
- Gridbooster