



FEMS

FENECON Energy Management System.



Used hardware can differ

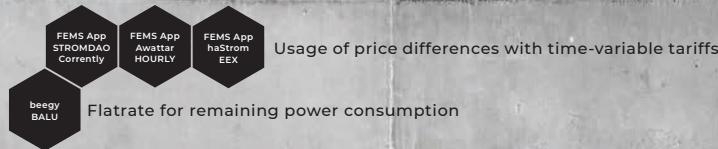
The progressive energy revolution, sector coupling with heat and e-mobility, changing legal conditions and business models - with a storage system by FENECON with integrated FEMS (FENECON Energy Management System), you are choosing a solution that flexibly accepts and grows with these challenges.

FEMS is the central control unit of every FENECON energy storage system:

- Charge and discharge management of the storage
- Regular security and feature updates
- Open interface for data exchange with smart-home and SCADA (JSON/REST-API, Modbus/TCP)
- Published as open-source software
- Made in Germany: developed by our in-house IT team
- Flexibly expandable with new applications

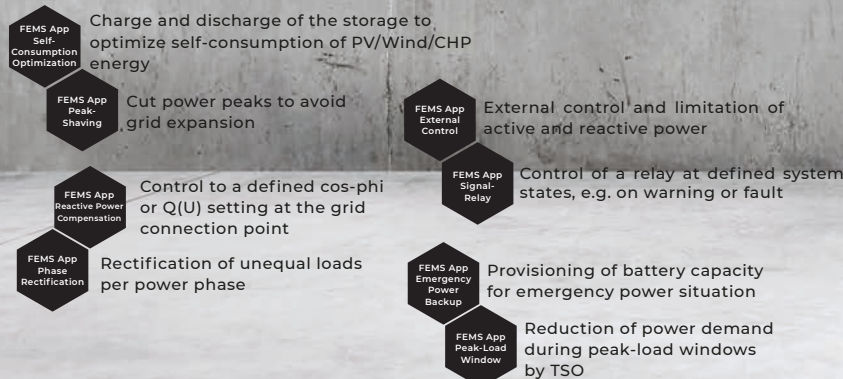
SMART TARIFFS

Choose your optimal tariff from multiple models for remaining power consumption



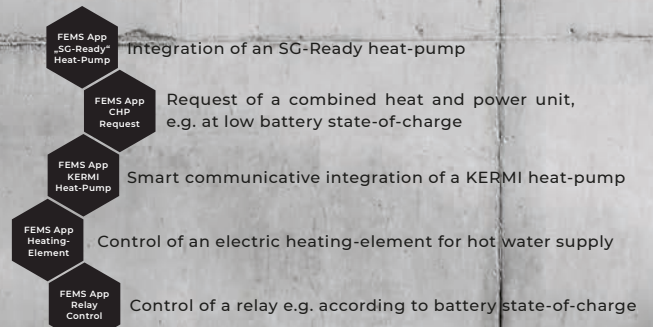
GRID INTEGRATION

Use the storage system to relieve and support the public power grid.



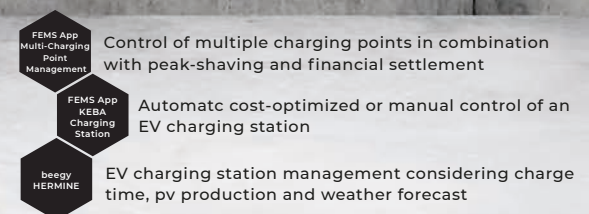
COMBINED HEAT

Combine electricity and heat to an intelligent energy system.



INTEGRATED E-MOBILITY

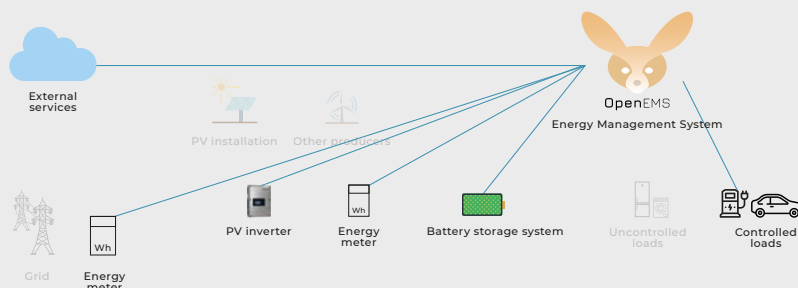
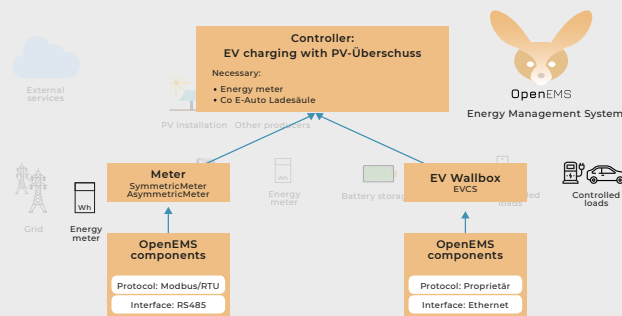
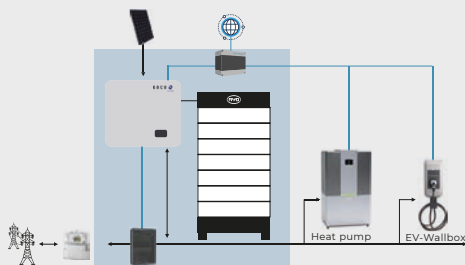
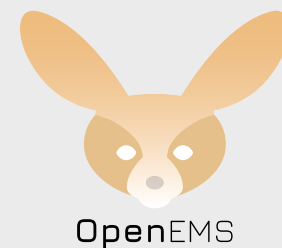
Single charging station to multi-charging point: benefit from cost-optimized control and avoid grid expansion.



OPEN ENERGY MANAGEMENT SYSTEM

FENECON stands for solutions for a future with 100 % renewable energies. Because of this we published the complete source code of our energy management system FEMS as open-source software and initiated the project „OpenEMS“.

The idea is borrowing from the development of mobile phones. Today's smartphones with completely new applications were only possible by consistently separating hardware, firmware and apps.



OpenEMS is a modular platform for energy management applications. It was developed around the requirements of controlling, monitoring and integrating hardware with complementary interfaces and services. Therefore it integrates a complete ‚Internet of Things‘ stack:

- OpenEMS Edge - decentralised energy management
- OpenEMS Backend - cloud-service for monitoring, aggregation and control
- OpenEMS UI - real-time user interface for browser and smartphone

The chosen open source license assures that changes in the existing codebase have to be published again as open-source - while it is also possible to offer proprietary applications and as such enables unique business models.

OpenEMS Association e.V.

In order to put the development of OpenEMS on a wider, company and sector-independent base, the OpenEMS Association e.V. was founded. Since then it coordinates the future development of OpenEMS.

Members of the Association are private persons as well as small companies and corporate enterprises - like system integrators, software developers, hardware manufacturers, grid operators and electric utilities. Further value is added by scientific institutes and universities.

Try it!

Simulate a complete energy system on your computer within a couple of minutes.

www.openems.io → „Getting Started“

