PQ PLUS GmbH®

Energy management:
Resource and cost optimisation

Our solution for energy management

EnVisWeb
Energiemanagement

Flexibly recording and automatically analysing energy data

All forms of energy are a commodity that has gained enormously in importance in recent years. Our software for ISO 50001 applications, ENVIS Web, is a system that automatically monitors and analyses all consumption data in accordance with the statutory requirements in order to manage this resource correctly while considering the environment.

Benefits and advantages of EnVisWeb

Automated processes
Save time by automated reading of meters and sensors, as well as by automated dispatch of reports.

Flexible dashboards
Design your dashboards to meet your individual needs. The number of dashboards available per user is not limited.

User-friendly visualisations
Use many chart types and interactive map reports for a clear illustration of your energy consumptions.

EnVisWeb
Energy management ISO 50001

In-house or in data centre

Energy savings management
Document and monitor actions taken and save costs by targeted energy savings.

Mobile app for meter reading
Facilitate meter reading with our mobile app and avoid confusion by using QR codes.

Client-capability
Integrate your customers into your system and manage multiple clients through a single instance.

Safety and administration
Profit from comprehensive safety functions such as two-factor authentication and detailed rights and role systems.

Integration and compatibility
Use our manufacturer-comprehensive LoRaWAN integration and many API connections.

Requirements for energy management software

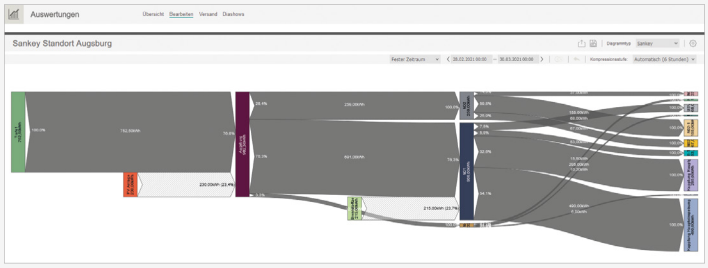
- Pointing out energy savings potentials
- Recording of process information
- Recording of energy costs and CO_2 emission
- Permanent recording of energy flows
- Integration of all consumables
- Economic efficiency assessment of the energy-related measures under DIN EN 17463 (VALERI)
- Mapping indicators across production cycles
- Open communication interfaces

EnVisWeb
Energiemanagement

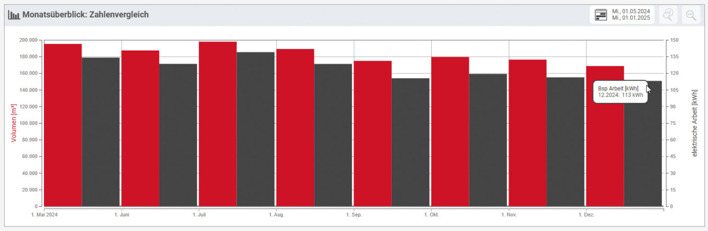
EnVisWeb Basic

Data sources:
- Modbus TCP
- Modbus RTU
- M-Bus
- CSV via FTP
- Manual data entry

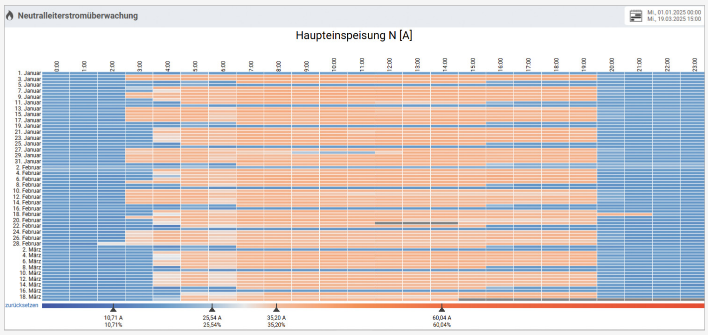
Dashboard display



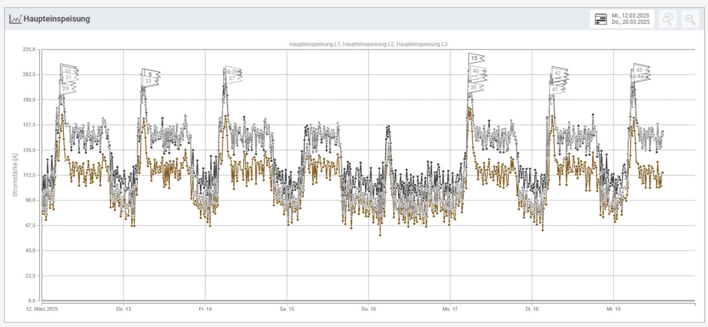
Sankey diagram



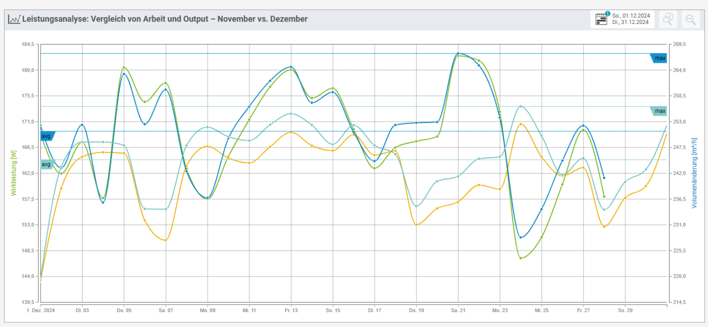
Consumption overview



Heatmap diagram



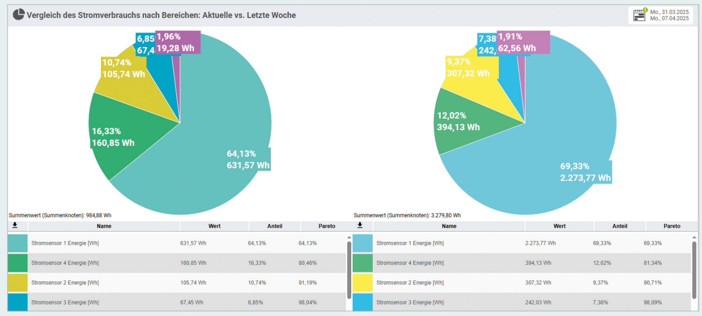
Progression chart



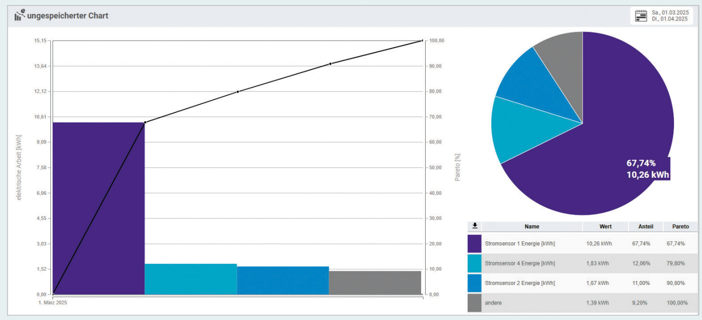
Performance analysis with comparison periods

EnVisWeb Premium

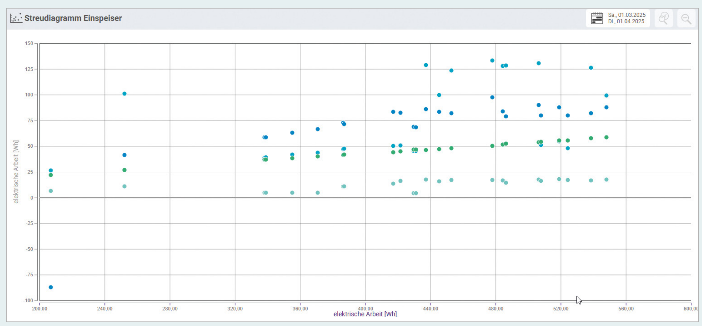
Data sources:
- Modbus TCP
- Modbus RTU
- M-Bus
- CSV via FTP
- MQTT
- OPC UA
- BACnet
- LORIOT
- MSCONS via FTP
- Weather data
- Manual data entry



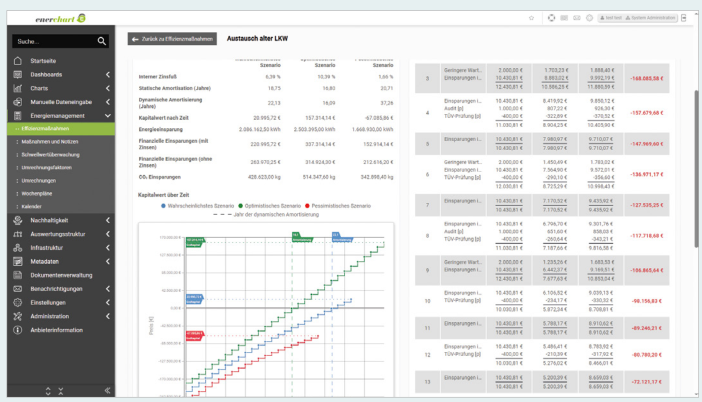
Pie chart



ABC analysis



Scatter diagram

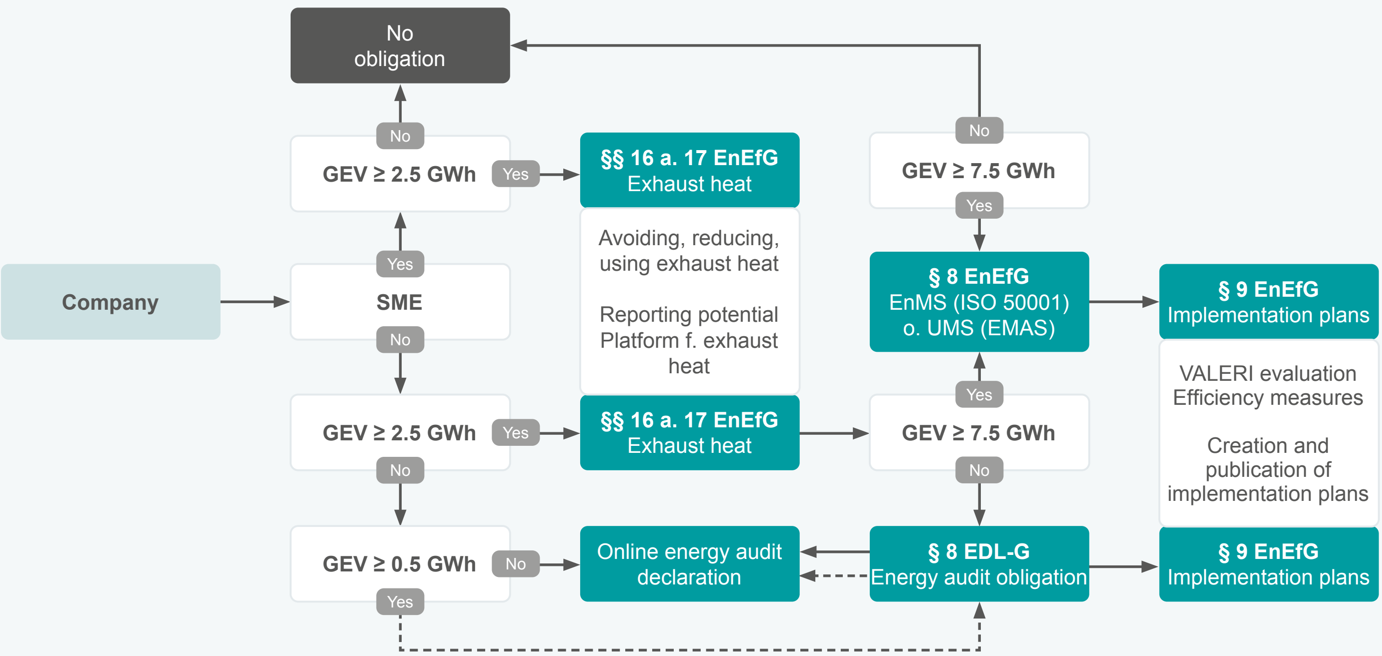


Efficiency measures in accordance with VALERI (DIN EN 17463)

Peak-off long-term characteristic curve

Whitepaper Energy Efficiency Act (Energieeffizienzgesetz; EnEfG):

in accordance with the statutory provisions of §§ 8-10 and 19 of the EnEfG



Source: Leaflet for the energy efficiency act (Energieeffizienzgesetz; EnEfG)

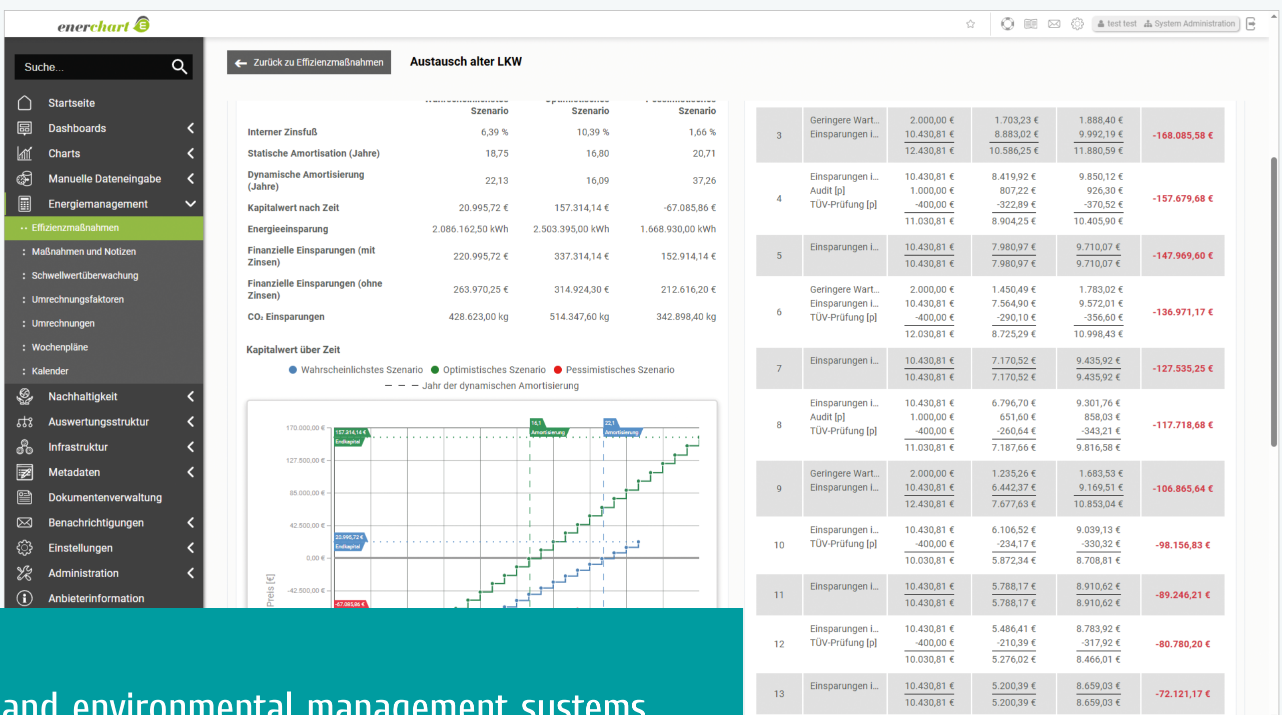


Figure: EnVisWeb Premium

Energy and environmental management systems in accordance with § 8 EnEfG:

Companies with an average total energy consumption ≥ 7.5 GWh/a must provide evidence of an EnMS or UMS by 18/07/2025. 90% of the company's overall energy consumption must be recorded in measurements for this. Companies that find at the key date that their average overall energy consumptions of the last three years exceeded 7.5 GWh/a must introduce an environmental management system or an energy management system within 20 months.

EnVisWeb
Energiemanagement

Designation	Item number
EnVisWeb Basic, incl. 100 data points	52.12.4000
Additional licence 100 Basic, 100 additional data points	52.12.4001
Additional licence 500 Basic, 500 additional data points	52.12.4002
EnVisWeb Premium, incl. 100 data points	52.12.4011
Extension 100 Premium, 100 additional data points	52.12.4012
Extension 500 Premium, 500 additional data points	52.12.4013
Hosting EnVisWeb as a client (1 year)	52.12.4020
Software maintenance contract, as of the 1st subsequent year	52.12.4025
Upgrade from Basic to Premium**	52.12.4021
LTE router RUT 241 pre-configured	57.01.1240
LTE router RUTx11 pre-configured	57.01.0911
Annual VPN costs per router	57.01.0001
EnVisWeb customisation, interface in the customer's look and feel	52.12.4022
EnVisWeb support	PQ1409
Commissioning and initial instruction	PQ1410
Training subject to a daily rate	PQ1600

* Period of notice of 18 months
** The licenses already acquired will be offset when upgrading EnVisWeb Basic to EnVisWeb Premium

We would be happy to work with you to define the optimum solution and licensing.

NEW

Request our new catalogue or browse its online version on our website.

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