FaMe®
Energy Management

Consumption Data Monitoring

Cost Transparency

Connection of Lease and Energy Costs

Energy Management is one of the most important tasks when operating facilities. More and more monitoring and managing of energy consumption gains importance a crucial element of sustainable and environmentally friendly operation of buildings. The FaMe® Energy Management Module can be used stand-alone or in connection with other FaMe® modules. You can measure the current consumption and use these data for optimizing the requirements. The FaMe® Energy Management Module can be used to manage a wide range of media, e.g.
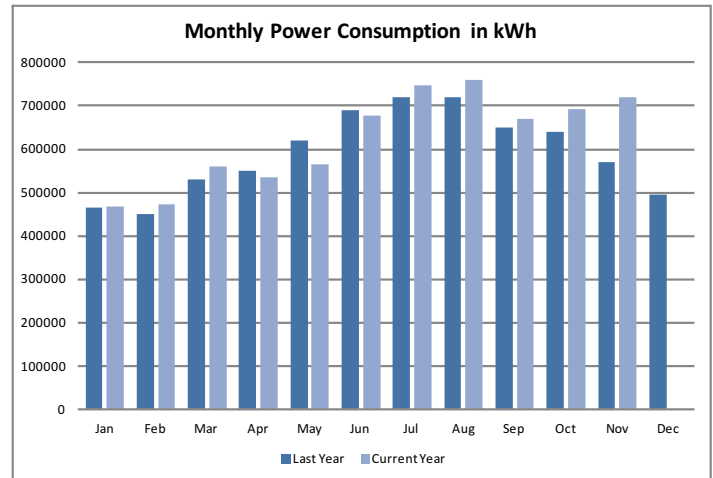

Monthly Power Consumption in kWh

- Electricity
- Water
- Gas / Heat / Community Heating
- Media for Production, Compressed Air and others

Measuring the Consumption

The starting point before you can analyze and optimize the energy consumption is to measure and document it. FaMe® offers several options to accomplish this task: manual meter reading and transferring the data via smartphone, importing readings from other sources (e.g. MS Excel sheets) to the full integration of Building Management Systems for automated meter reading. You can also do readings via Bluetooth, RFID, Barcode or other electronic transmission standards. A continuous reading of meters can be helpful for a constant monitoring of media flow. Management of the meters is another part of the FaMe system. Location, exchange dates, conversion factors or initial readings at the exchange of readers are registered.

Dashboard and Diagrams

Using the dashboard you can visualize the consumption of media in a clear and transparent way. Comparison of current with previous consumption can be done graphically. The Facility Manager can retrieve a general overview independent of the type of Building Management System (BMS). Threshold value can be set to trigger an alarm - e.g. through email or inside the FaMe software - when a certain value has been reached. Malfunctions or problems, e.g. a pipe burst, can thus be spotted automatically.
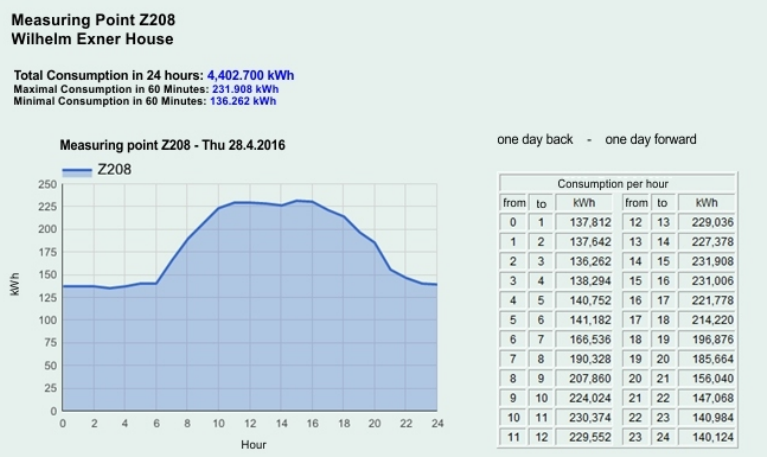
Cost Allocation

Using the interface to the FaMe® Accounting Management Module you can allocate consumption to a consumption scope or even create invoices. You can allocate it through physical or virtual meters to organizational units applying various cost splitting criteria. The FaMe® Accounting Module can also be used for invoicing. One or more meters can be allocated to a clearing account. Rates for cost allocation of energy consumption can be defined for meter types or individual meters. You can also define consumption-dependent rates. Following a set cycle, e.g. every last day of a month, you can issue an invoice and debit a predefined account.

It is a standard function of the FaMe® Accounting Module to monitor the account balance and to handle payments and payment reminders if necessary. Payment by credit cards is part of the FaMe system. We offer interfaces to leading credit card organizations to handle this.

Lease Management

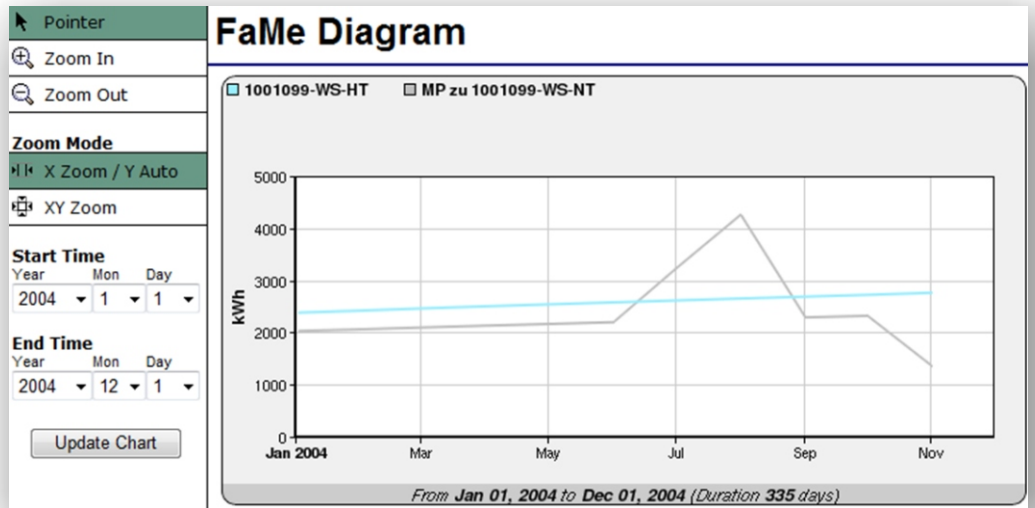Another interface connects the FaMe® Energy Management to

Measuring Point Z208
Wilhelm Exner House

Total Consumption in 24 hours: 4,402.700 kWh
Maximal Consumption in 60 Minutes: 231.908 kWh
Minimal Consumption in 60 Minutes: 136.262 kWh

Measuring point Z208 - Thu 28.4.2016

one day back - one day forward

Consumption per hour					
from	to	kWh	from	to	kWh
0	1	137,812	12	13	229,036
1	2	137,642	13	14	227,378
2	3	136,262	14	15	231,908
3	4	138,294	15	16	231,006
4	5	140,752	16	17	221,778
5	6	141,182	17	18	214,220
6	7	166,536	18	19	196,876
7	8	190,328	19	20	185,664
8	9	207,860	20	21	156,040
9	10	224,024	21	22	147,068
10	11	230,374	22	23	140,984
11	12	229,552	23	24	140,124

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FaMe Diagram

the Lease Management Module. Meters can be allocated to economic or rental units. The consumption can be automatically allocated to units according to costs-by-caus principles. The cost splitting function of the Lease Management Module can access the meter readings automatically.

Serviceline

Maintenance, calibration and service of meters and other measuring devices can be handled using the FaMe® Maintenance Module using the according interface.

Energy Consumption per Cost Center and Reading Point