



KMD ENERGYKEY EMS

# The key to efficient use of energy for all stakeholders

  
An NEC Company

# Be one step ahead in the green transition

An increased focus on the green transition and associated expectations and requirements for e.g. the energy sector makes it even more important to use energy in the best way possible. For this purpose, flexible solutions are needed that can create an overview of one's own energy consumption and draw the attention of relevant stakeholders to the compliance with the UN Sustainable Development Goals and the climate strategies.

With KMD EnergyKey, you get a tool for transforming data into action. KMD EnergyKey collects consumption data from various sources and compiles them in one place where you can validate, process, and communicate data. This ensures the best data basis for further analysis and work with energy and operations optimization. Furthermore, you will be able to document and redistribute information to relevant stakeholders.



## KMD EnergyKey as an EMS solution

### Get an overview and maintain control of your energy consumption

KMD EnergyKey is a recognized tool used for generating information and new opportunities to optimize operations and finances. The solution allows you to set up alerts for early detection of waste and errors and enables you to analyze and prioritize initiatives for energy-saving measures.

The system also makes it possible to generate various reports to create an overview and provide the answers you need. As KMD EnergyKey collects data on a daily basis, it is set up to monitor consumption, allowing you to implement energy-saving measures before year's end.

### Create value for all your stakeholders

KMD EnergyKey compiles all energy data in one place and enables different types of documentation for both internal and external stakeholders, including CSR documentation, generation of green accounts, and efficiency reports.

This solution provides each party with easy access to the specific information they need.

### Green transition in practice

KMD EnergyKey makes it possible to transform data into action.

The solution's benchmarking function allows comparison among different buildings, installations, or production units, which can help identify culprits of unnecessarily high consumption. This function, together with the other functions (measurement, control, budget follow-up, CO2 accounts, other documentation etc.) jointly make the green transition a realistic endeavor.

# Tailor your solution for maximum value from KMD EnergyKey

Energy managers as well as local employees in charge of energy management need an overview of complex data – and efficient work processes for it. With KMD EnergyKey, that is what you get. Here you can see the modules, with which you can enrich your solution.

## Webtools Site

### **Make it easy and clear for users to understand consumption**

WebTools is a simple, informative solution for all users aimed at creating an overview, consumption visualization and mapping. With WebTools, the users do not have to understand industry jargon about energy consumption and the environment. Instead, they will be presented with the historical data in easy-to-read graphs and figures that are also easy to use as a basis for taking action.

WebTools is flexibly constructed and offers the option of many different widgets. This gives you tools for creating better customer service and even happier users.

## Webtools Monitor

### **Motivate stakeholders to think in terms of energy efficiency**

With Webtools Monitor, your stakeholders can be involved and motivated to strive for energy savings. This module can work on existing info screens in your canteen, reception desk, etc. and serve as a tool for nudging the daily users of the building. The consumption will be shown in easy-to-read figures and will update automatically as new data enter the system.

Webtools Monitor is relevant for those who see the potential in motivating customers, citizens, residents, guests, and/or employees to using energy in the best way possible.



# Modules

## API module

### Get easy access to specific data across systems and programs

There are many ways to exchange data, which makes for many areas in which an API can be applied.

This module enables fast access to data and ensures that you get the output that other, external systems require or that you need in order to be able to work with the data intelligently. This allows you to save a large number of man-hours in the longer term and paves the way for workflow and data exchange optimization.

The API module is especially useful for those who wish to analyze and visualize their energy data in a tool of their own choice. At the same time, the module makes it even easier to create various reports, including benchmarking reports which compare several energy reports and efficiency reports based on the consumption of two energy reports.

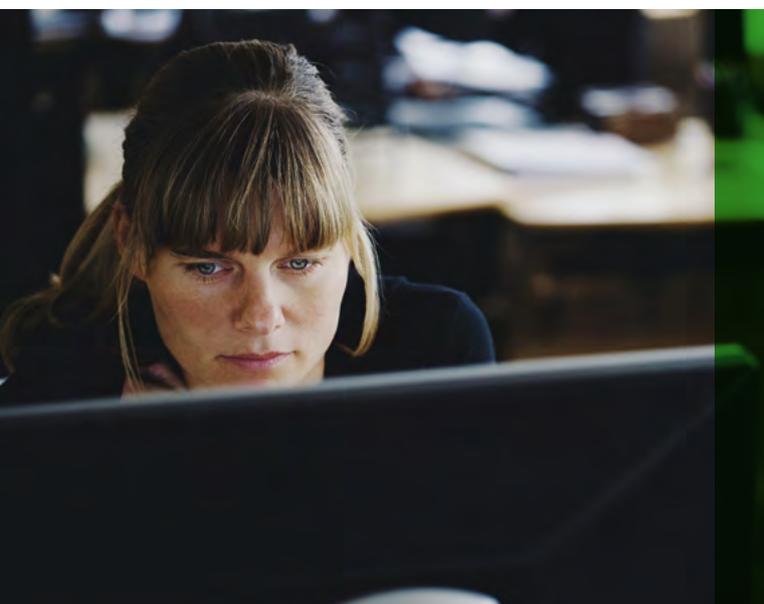
## KMD EnergyKey Insight

### Maximize your opportunities and allow users to save energy

The KMD EnergyKey Insight module makes it easy to use measuring data and energy consumption in combination with other data – and with your preferred tools.

This module allows the exporting of select data to a BI tool, for example, or to a separate database. This keeps you from drowning in raw data and having to perform meter changes and temperature and consumption data calculations directly in a program not designed for it. KMD EnergyKey Insight lets you request specific data sets and to have your data validated in a solution developed for the processing of business logics such as meter changes before using the data in a different program. This ensures high data quality and a solid basis for optimization analyses.

KMD EnergyKey Insight also offers many opportunities for data analysis in a BI tool, increases the ability for the users to save energy, and, at the same time, strengthens the framework for collaboration with various actors.



### Does it make sense to have both the API module and EnergyKey Insight?

Your decision to select the API module or EnergyKey Insight should be based on your needs. If you can see the benefit in being able to submit individual requests for specific data to KMD EnergyKey, the API module is the right choice for you. If you wish (at the same time) to export large data volumes from KMD EnergyKey to an independent database or to a BI tool, and if you frequently need to retrieve data from KMD EnergyKey, you should (also) choose EnergyKey Insight.

# Modules

## Map Service

### Tool for efficient monitoring of meters and consumption

With Map Service, you can visualize your key data geographically on a map. This is valuable both for daily operations and when you need special insight into your consumption. Such as when you wish to provide management with an insight into which areas face the greatest challenges or when you want to identify the positive stories about buildings that keep reducing their consumption.

#### Map Service gives you:

- \_ A geographical overview of the location of the meters and their status
- \_ A geographical overview of the status on consumption budgets
- \_ Visual awareness of the exact themes you wish to highlight.

Map Service can provide a useful overview of operational status and consists of four map layers: data retrieval, budget deviation, cooling, and temperature. These can be set up in many different combinations. If, for example, you want an overview of meters that lack data for more than x days or areas with anomalous use patterns, Map Service may be the solution.

*With **Map Service** you can visualize your key data geographically on a map.*

## Waste Module

### Get an overview of types of waste and associated costs

Waste management makes it possible to work with waste in a professional manner.

When the garbage collector picks up the waste, you will receive data about the amount collected, what proportion can be recycled, costs and revenues. After that, you can see a read-out of the distribution and financial aspect in easy-to-read graphs and figures. For example, you can see the distribution of metals, burnable waste and cardboard. This makes it easy to see how much of the various types of waste is produced over time, and you will also have an overview of the costs and revenues associated with that.

#### With Waste module you get:

- \_ Monitoring of the amount and types of waste
- \_ Identification of the costs and revenues associated with waste management
- \_ A graphic overview of the proportion of recyclable and non-recyclable waste.



## Formula and Component Module

### Get free range to create added value and gain new insight into your data

The formula and component module enables you to think outside the box and to combine data in new ways and for more purposes. At the very basic level, this module allows the combination of measuring data (time series) across physical meters and installations – in terms of calculation expressions, analyses, rules and notifications (alarms), visualizations, etc.

The formula and component module is particularly relevant if you can see opportunities in combining two time series or multiplying a number of meters by a factor. With this module, no task is too complex.

## Mobility App

### Control reading via app

The Mobility app enables manual meter reading via a smartphone so the readings are registered easily, quickly and securely:

- \_ Easily, because you can identify the meters via a barcode
- \_ Quickly, as the information is typed in at the same time as the reading is taken
- \_ Securely, because you will have fewer manual data entry errors

With just a single click, you can geotag the meters and their coordinates – this means the precise location of the meter is registered. When performing read-outs from district heating meters, the mobile phone will immediately show the average cooling in the period since the last read-out.

You can also use the app to register the changing of meters, so that data from the old and new meters are automatically linked in KMD EnergyKey.



# WHY KMD ENERGYKEY IS THE RIGHT CHOICE FOR YOUR ORGANIZATION

With KMD EnergyKey you achieve a greener profile, happy customers and strong competitiveness. The solution provides a number of advantages – whether the purpose is data collection and validation (MDR/MDM) or energy management (EMS).



## LET US SHOW YOU THE WAY TO GREEN SAVINGS

KMD EnergyKey gives your company the optimal insight into energy consumption, hour by hour, to enable reliable prioritization between areas which best contribute to green savings and necessary initiatives can be implemented on time.



## INCREASE THE VALUE OF INVESTMENTS IN SMART METERS AND REMOTE READING

KMD EnergyKey increases the value of remote reading projects and enhances the overview of data quality and security of supply data from setting-up to removal.



## ACHIEVE BUDGETARY SECURITY FOR ENERGY COSTS

Create month-over-month budget security. KMD EnergyKey enables budgeting both in terms of energy and money, achieving an insight into what drives energy costs and enabling timely and effective responses.



## ENSURES INDEPENDENCE FROM METER SUPPLIERS

KMD EnergyKey can collect data from all essential loggers and remote reading systems and utilize this data in a single combined solution.



## BOOST CUSTOMER SATISFACTION AND FOCUS ON SUSTAINABILITY

KMD EnergyKey promotes better and closer customer dialog using a self-service portal and mobile apps, enabling proactive customer and energy consulting.



## SUPPORTED AS A CLOUD SOLUTION

The solution is supplied as a cloud solution, meaning that you do not need to worry about operations, maintenance, updates, or security. For example, KMD EnergyKey is available as SaaS on Microsoft Azure.

## Want to know more?

Get in touch and let's take a look at what solution best suits your specific needs.

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