Flexens

FLEXIBLE ENERGY SOLUTIONS
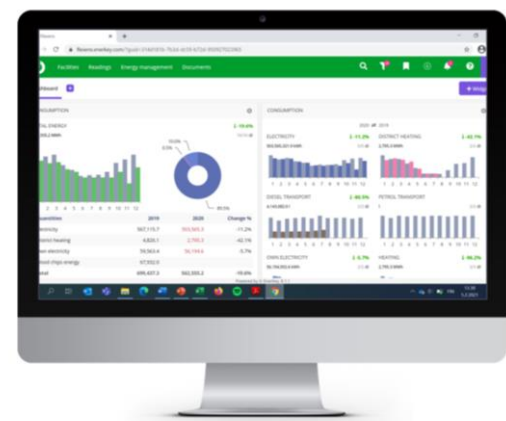
Flexens Energy Portal

REAL TIME MONITORING FOR THE GREEN TRANSITION

Societies have set ambitious targets to decarbonise their energy systems. These energy and climate goals are typically high level, act across different sectors, and set over long-time horizons. Therefore, the data must be gathered from multiple sources and stakeholders to get an appropriate overview of the whole system. That is why monitoring the energy transition progress can be challenging, and often out of date.

Flexens Energy Portal is a **user-friendly**, **transparent**, and **automated** tool to follow the energy transition in real-time. The portal collects scattered energy data (such as production, consumption, and CO_2 emissions data) from the electricity, heat, and transport sectors, all in one place. The interface is user-friendly and chosen data can be easily displayed in other channels such as mobile devices, websites, and public screens.

"Correct political decision making requires data that is adequate, available and up to date. The reason behind the project with Flexens is that so far it has been difficult to find an overview of the ongoing energy transition. Collecting and analysing energy data from different stakeholders has been a time consuming and manual process. As a result, is has been difficult to both access and update the data. Therefore, we are looking forward to receiving a highly automized tool to solve this problem and to improve our decision-making process."

Customer, Head of Energy at the Government of Åland

An example of the Flexens energy portal dashboard.

AUTOMATED AND HIGH-RESOLUTION

Automatic data transfer, at time intervals as short as an hourly. The readings service also allows users to manually enter meter readings and consumption data that are not yet read remotely.

BETTER ENERGY MANAGEMENT

The platform allows users to track implemented actions, manage decision making and prioritise their actions. Users can also examine the actual effectiveness of actions with the aid of visual management reports.

SECURE DATA HANDLING

The platform uses industrial standard methods for securing data storage and access rights for customers. The platform cyber security is 3rd party certified. The raw data is completely owned by the customer.

CUSTOMER FRIENDLY USER EXPERIENCE

The portal is browser based and can also be accessed by mobile. The data analysis is easy to conduct and the dashboard is easily modified to suit the user's personal preference

Flexens offers a turnkey implementation of a society-scale energy portal, using the platform *Powered by Enerkey*. **The service includes:**

KPIs and project planning with the customer	Stakeholder engagement, data connection plan and detailed design	Implementation and testing	Updates and support