

Energy monitoring and management

Higher fossil fuel prices and the pressing climate crisis over the medium term will accelerate the transition to clean energy and the prospect for effective methods to boost assets' energy efficiency will be urgently addressed. Systematic and well planned energy monitoring helps drive the case for limiting environmental impact while having a coherent energy management software will be vital for businesses to plan out operations for the long term.

As the name suggests, energy monitoring is the process of monitoring; therefore gathering, recording and analyzing data on energy consumption, whether that's an individual asset or an entire building. The second step, the energy management phase, involves the management of consumption based on what was detected by the previous monitoring phase.

It goes without saying that, the monitoring phase continues even after any management interventions. In this case, the objective is to verify if the solutions and technologies implemented are having the desired effects or if it is necessary to review the improvements made previously.

As mentioned, energy monitoring provides important information with regards to quantifying and controlling energy performance, therefore identifying opportunities for improvement to companies. The energy crisis has hit businesses hard at international level, at least as badly as the climate crisis has hit the environment. Intervening by stemming these two phenomena is an increasingly pressing responsibility and can be addressed with energy monitoring. Let's see in detail the 4 main reasons why this phase is so important:

The energy monitoring phase, included in the broader phase of energy management, allows us to save on consumption and therefore on bills and at the same time reduce the impact that an asset has on the environment. Other benefits of energy monitoring are:

Boosting energy efficiency is extremely important for a company. Mainly because it allows on the one hand to reduce expenses and on the other to limit the environmental impact. Some studies have shown that most companies have the potential to reduce energy consumption by a variable percentage between 10 and 20%. Particularly through simple actions that can be identified thanks to energy monitoring.

It is therefore clear that reducing energy consumption has multiple benefits. But how exactly may we enhance the energy efficiency of our good? Let's take a look at three simple steps:

The aspects of monitoring and energy management are fundamental within an asset's management. Therefore the purpose of this delicate step is to guarantee energy consumption's saving thus lowering an asset's environmental impact.



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My advice is to make use of specific and professional software for energy management. One that allows the rapid identification of energy-intensive systems and the corresponding savings opportunities.

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