



THE “ENERGY MANAGEMENT SYSTEM” AS A TOOL FOR LARGE ELECTRICITY CONSUMING ENTITIES

An Energy Management System (EnMS) is a system of computer-aided tools used by operators of commercial and industrial (C&I) facilities to monitor, control, and improve the energy efficiency of the building or the production

systems. While doing so, operators identify potential innovations and assess their energy efficiency by doing in-depth description of how they work, their environments, better comfort, and solve their operations issues.

01

You know what works best for your business and your people

Creating an EnMS depends on your own circumstances. Some companies are more advanced than others, while some individuals are less energy aware than their colleagues.

First the senior management needs to identify an energy “Champion” within its staff and entrust him/her to think how the information relates to the organization and tailor an energy management programme accordingly. The organizations may already have initiatives in place that can be developed, or the Champion might need to try different tactics to get the EnMS campaign developed, implemented and noticed.

To make an EnMS part of the organization, requires four essential steps:

- 1 Good planning — so you can realistically achieve your goals;
- 2 Effective implementation — choosing the

- correct time and assigning roles and responsibilities;
- 3 Checking its effectiveness and reviewing the EnMS process throughout the company — allowing room for feedback, and finally
- 4 Maintaining that level of commitment.



02

Planning

A food wholesaler instigated several simple but effective low-cost energy saving measures (efficient lighting, set temperature adjustment, adequate ventilation, schedule of on-off for the main equipment, etc.) which are reducing energy usage and saving money on the bottom line. They are looking at annual savings on their energy bills of between 5% and 10%.

Good planning is fundamental to the success of an EnMS. It starts with a monitoring and measurement of the significant energy uses (SEU). Here are the main points to consider: i) Support and resources; ii) The Champion and the companies current situation; iii) Target audience; iv) Goal setting; and v) messages and communication channels.

03 Implementation

When the EnMS has been planned, it's time to take action and put you're the plan into operation using the example guideline as follows:

- When to start – How long should it run?
- Assign roles and responsibilities – Champion will need other people to help him as it should remain a company programme!

04 Checking and Reviewing

This step is crucial for the motivation of the participants and how the results are shared at the different level without creating opposition:

- * Measure the success of the EnMS at various points along the way
- * Get staff to feed back ideas, comments and suggestions – make the communication route accessible, visible and easy to use
- * Report to staff and management- Progress reports can also be a powerful motivator.

There will always be negative individuals who are not interested and are critical of the programme. Don't let them sabotage the efforts of others!

- Gather and prepare, technological, brochures, and promotional materials – Look professional, themes or slogans should be short, catchy and thought provoking
Launch the EnMS - with an event or as part of a staff meeting agreed with the senior management.



05 Maintaining

The Champion and all the involved staff need to learn from experiences and incorporating them into the EnMS:

- * An energy culture – an EnMS should now be as much a part of the culture of the organization as safety, quality and customer care; If appropriate an energy policy can be

dictated by the company.

- * Ensuring that new employees are informed about energy issues can be effective
- * Maintaining momentum - Displays are refreshed and the achievements are publicized.

06 Conclusion

Developing a systematic Energy Management System leads to the reduction of costs, the reduction of greenhouse gas emissions while it will help developing a corporate energy policy and - more importantly - allow to define aims and

processes and take into account necessary in-house measures to improve the energy output. However, EnMS success is only attainable with the support of all departments, at all levels, including top-level management.

For additional information on this opportunity, please contact:



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