



1 Knowledge at a click.

“ICKEWIKI” CREATES TRANSPARENCY FOR ENERGY MANAGEMENT

Fraunhofer Institute for Factory Operation and Automation IFF

Prof. Michael Schenk

Sandtorstrasse 22
39106 Magdeburg
Germany

Contact
Logistics and Factory Systems

Stefan Voigt
Phone +49 391 4090-713
Fax +49 391 409093-713
stefan.voigt@iff.fraunhofer.de

www.iff.fraunhofer.de/en/lfs
www.ickewiki.de

Transparency as a Success Factor

The implementation of an energy management systems (EnMS) affects every unit of a company. Information must be procured from all units and locations and analyzed – from terminology specific to the company, current figures on the status of the EnMS, actions, best practice and even contacts. Transparency becomes the success factor when an energy management system is being implemented – and precisely this confronts energy managers in companies with major challenges: Supporting tools that coordinate collaboration among everyone involved are often lacking. Staff across a company are taking on responsibility for a “new” topic, energy management, alongside day-to-day business: They have no empirical values and best practices to fall back on. Expertise has to be developed first or purchased from outside.

The solution is a wiki, i.e. a central information platform for energy management, on which everyone involved works together and quickly exchanges expertise on the topic throughout a company.

Information at the Push of a Button

The Fraunhofer IFF developed an enterprise wiki with other partners: The ICKEwiki creates the necessary transparency and links a company's organizational structures: Domains of complex information, e.g. projects, actions or best practices, can be individually predefined and created by users at the push of a button. The most important data are entered in forms and linked automatically.



The ICKEwiki can optionally include a set of preconfigured methods and tools for energy efficiency and a list of actions as an idea repository for your energy management. Use this source of concentrated information to develop an EnMS specifically for your company.

Collaboration Made Easy

A variety of projects have demonstrated the benefits of the ICKEwiki: support of cross-organizational collaboration, better information exchange, faster searches and processing. Bernd Molter, head of development at Kristronics GmbH, which develops and manufactures electronic and mechatronic systems and modules, is certain, "ICKEwiki enabled us to improve inter-departmental collaboration."

The implementation of an EnMS is a protracted process, which the ICKEwiki supports. Get your staff on board and modify the wiki for your company. After all, a wiki is not an automatic success: Without concrete benefits in the work process, many wiki installations are at risk of fizzling out after the initial euphoria. The ICKEwiki

Install and run!

The ICKEwiki was developed specifically for SMEs: A free demo version is available online: www.ickewiki.de. Use of the ICKEwiki is explained in screen capture video and online help.

makes basic knowledge geared toward users needs available to them at any time. This new transparency is compelling in the long term.

Energy management as the starting point: The ICKEwiki can be custom upgraded for use for other applications in your company:

- Dynamic intranet 2.0
- Project management platform
- Knowledge repository
- Documentation tool

Implementation in Three Phases

- 1. Requirements analysis:** Rather than ad hoc, energy management wikis should be implemented to meet the needs of users in the application field of energy management. The analysis phase is intended to identify company-specific challenges, potentials for improvement and concrete requirements surrounding energy management.
- 2. Design:** Every company operates differently. These specific modes of operation and structures have to be incorporated in the wiki. Central structures are modeled in the ICKEwiki and modified according to your requirements.

3. Implementation: The actual rollout of the wiki in a company must be planned well and done efficiently. Supporting change management reduces existing barriers to implementation. Actions include presentations of benefits, flyers outlining important functions and training programs.

Our Services for Your Organization

As your technology partner, we will support you in every phase when you are implementing your energy management wiki – from the requirements analysis to customization up through implementation. Once it is up and running, you decide whether you want to take charge of your wiki yourself or to take advantage of our partner Cosmo-Code GmbH's ongoing hosting and support services. We are available for assistance any time you need us.

2 ICKEwiki in use.

Images: 1 itestro – Fotolia.com,
2 Christian Blobner