



Energy Management catered to the needs of SME's

Experiences from the (ex-)BESS project

**Benchmarking and
Energy Management
Schemes for
SME's**

28 March 2012

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Background

Some figures:

- 99% of companies in EU is SME
- SME's have a share of 30% of total EU energy use

Rationale to start the project (2005-2009):

- Energy efficiency is underexposed in **SME's**
- Resources in **SME's** are limited. Information and supportive structures are scattered
- **SME's** can benefit from international exchange on Energy Efficiency possibilities

Results

Energy

- Up to 10% energy savings at SME's

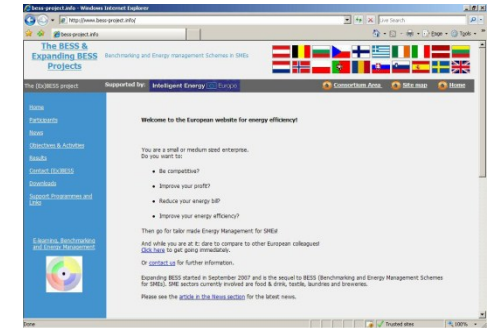
Tools and Instruments

- Benchmarking application
- Tools for facilitating implementation Energy Management

Guiding

- E-learning tool for Energy Management Implementation
- Implementation handbook for Energy Management

All available at one web portal: www.bess-project.info



Web based approach

- Energy management and energy benchmark applications for SME's
- E-learning tool how to implement Energy Management



Tools and Instruments

To answer question like:

- **How do we perform?:** Benchmark application
- **What's in it for us?:** Business case formulation and case studies
- **How to implement?:** Over 30 tools for Energy Management and Energy Saving Measures for all SME's sectors
- **Also for small enterprises?:** Standard and Light versions
- **How to start?:** Big 5 Tools for minimum effort en good results
 - > Self assessment list
 - > Bookkeeping
 - > Targeting & Monitoring
 - > Measurelists (sector specific and generic)
 - > Energy Action Plan

Training and Education

E-learning:

- Aimed to be self guiding: E-learning
- Supporting Tool: Energy Management Implementation Model

Workshops and peer-to-peer workgroups:

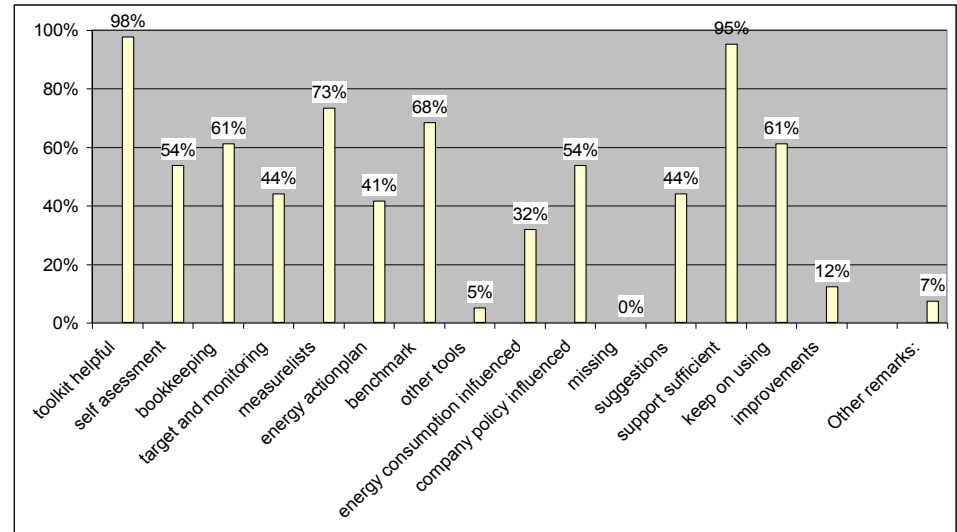
- Organizational aspects of Energy Management
- Technical aspects (benchmarking, auditing)
- Technical workgroups on heating, cooling, ventilation

External consultants:

- For audits, formulation action plans and EnMS concepts

Evaluation: Pilots

- 60 pilots at enterprises in 6 sectors in different countries
- **Feedback:**
 - 98%: toolkit is helpfull
 - 68%: benchmark triggers
 - 73%: measures list helpfull
 - 95% support sufficient (and required)
 - Unanimous: Compatible with ISO principles (ISO 14001)



Lessons Learned

- **Trigger** (What's in it for us? and 'peer pressure'): Benchmark, Best Practises, Bussinescase
- **Offer perspective** (What can I do?): Energy Management and Tools
- **Commitment:** Involvement of highest management
- **Resources:** Human, financial and expertise
- **Support:** Expert support is required for implementation

Recommendations for policy makers

Requirements for effective programmes:

- It reaches the companies
- It draws attention of the (right people within) company
- It convinces the (right people within) company to ACT
- It makes the company to repeat action (continual savings)

The BESS approach seems to fulfill all the requirements!

Conclusions & Follow up

Conclusions:

- Self supporting tool set for Energy Management Implementation
- Which is easy accessible and comprehensible for SME's
- Tested and evaluated in 60 enterprises in several countries
- Contributes to real energy savings

Follow up:

- Website is still available: www.bess-project.info



Thank you for your attention!!

NL Agency

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www.bess-project.info