

Core partner:



AUSTRIAN ENERGY AGENCY

Supported by

Intelligent Energy  Europe

4EM – MCP

Motor Challenge Programme - Energy Efficient Electric Motor Systems in
New Member and Candidate Countries

DEXA-MCP project status

27 June 2006, Krakow

Konstantin Kulterer, Austrian Energy
Agency



The DEXA-MCP main objectives

15 contractual partners 11 countries
+ Join Research centre (JRC – UE)
+ Professional trade organisations (ECI, Europump, Eurovent, Pneurop)

Main Objectives:

- **Implement dissemination actions (at least 150 enterprise interventions)**
- **Long term introduction of MCP into national energy programmes**
- **Complete MCP technical modules (industrial refrigeration, Industrial electric distribution)**
- **Create self-evaluation tool to support the MCP dissemination (software and paper)**
- **Develop MCP widely in Europe, new countries, industrial trade organisations**
- **Redesign partly the MCP procedure to be more attractive**
- **Find solutions for long term support for MCP**

The DEXA-MCP main objectives

Dissemination of the Motor Challenge and energy efficiency tools

120 new Partners and Endorsers by the end of the SAVE programme (Mid-2007)

How?: articles, advertising, exhibitions, webpage, newsletter, poster, purchasing recommendations, presentations, workshops, road shows, leaflets...

- **Italy:** link to white certificate programme in Italy
- **Lithuania:** specify sector (water supply), energy audit, information on results to all water supply companies)
- **Sweden:** Swedish standard on energy management,

e_A MCP one section of information package

The DEXA-MCP main objectives

Dissemination of the Motor Challenge and energy efficiency tools

Experience: not many new partners!

Austria, Portugal, Finland: companies willing to have energy audits but **do not want to undersign and “publish” action plan**

Best Practice:

Germany: 7!! new Partners via the City of Hamburg (Endorser)

The DEXA-MCP main objectives

Dissemination of the Motor Challenge and energy efficiency tools

Discussion on what should Endorser do, collect results of action plans of Endorsers?

Attaining Critical Mass:

Once procedural questions solved (new more simple approach for gaining partnership) special effort to bring substantial number of partners, e.g. companies with “early actions”

The DEXA-MCP main objectives

Dissemination of the Motor Challenge and energy efficiency tools

Integration of the tool set into National Energy programmes and practices

How? trainings for companies, consultants, on site interventions, integration of national tool set and MCP tool set,

Financing of energy audits with focus on motor driven systems

Problem: Finland, Portugal, Austria: companies do not want to send the action plan

The DEXA-MCP main objectives

Dissemination of the Motor Challenge and energy efficiency tools

Integration: No “one size fits all” solution!!

The tool set is rather easy to be integrated in national programmes

The procedure for gaining partner status is more difficult (esp. for Finland, Netherlands, Sweden companies already have action plans within Long Term Agreements, no need for double reporting)

feedback of Bertoldi:

NCP could do the reporting, letter of intent for the participation of MCP is still essential

The DEXA-MCP main objectives

Example



Information and training

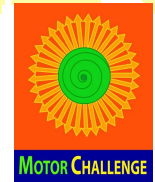
Guidelines

AUDIT

Information, incentives, training



- **E consumption**
- **Saving potential**
- **Steps to implement**
- **MCP action plan**



The DEXA-MCP main objectives

Complete MCP technical range

2 new technical modules are developed:

- ***Industrial refrigeration***
9% Electricity consumption (especially in some industrial sectors such as industry, plastic industry,...)
6 to 10 TWh saving potential FhG ISI, end of June 2006
- ***Industrial electricity distribution systems***
For Example: 5 TWh saving potential with industrial distribution transformers
Finished in June 2006: main parts transformer, power factor correction

The DEXA-MCP main objectives

Develop MCP widely in Europe.

- ➔ **3 new countries in the project team:**
 - Lithuania**
 - Finland** **Organization of a workshop to develop MCP**
 - Slovenia**
- ➔ **Work with the experienced contact points to develop MCP in each country (1st International Workshop March 2006)**
- ➔ **Very specific situation, each partner has to define himself what are his goals for integrating MCP in their countries, creation of added value: e.g.**
 - **exchange of experience with other agencies,**
 - **use of a logo,**
 - **use of tools (guidelines, databases),**
 - **part of a European Initiative, recognition by European Commission...**

The DEXA-MCP main objectives

Develop MCP widely in Europe.

Meeting with industrial trade associations May 30, 2006;

Discussion on SWOT Analysis of MCP

(Copper Institute telephone, Orgalim – European Industry Association Mechanical, Electrical, Metalworking, Electronic Industry, europump)

Main Results:

- MCP, a European wide **label for motor driven system energy efficiency** efforts
- Industry Trade Associations could endorse or sponsor **awards** for installations or technology
- Creation of a **European forum for main stakeholders** (institutional “home”, EnR, European Institute of technology)
- **Contact to UK**
- short synthesis of ongoing **Energy Efficiency activities** in European Countries
- organize a more **formal contact with Orgalim**
- maintain a database on tools and resources in the field of motor driven systems



The DEXA-MCP main objectives

Next Activities.

➔ ***Self Evaluation Tool (plan: October 2007):***
A small tool to raise awareness in energy efficiency for SMEs, list of 10 -15 questions for each of the technical modules, on line action plan tool, in order to gain statistic

➔ ***Technical Module Industrial Refrigeration (deadline June 07, ongoing)***

➔ ***New Partners, New Endorsers***

➔ ***New countries:***

UK, Spain, Turkey,... (Lathia, Estonia, Cyprus,...)

2nd International Workshop in Paris February 2007 (4EM, Dexa?)

The DEXA-MCP main objectives

Next Activities.

➔ ***Discussion on new Partner Guidelines - ongoing***

➔ ***Discussion on MCP award: national awards / european award (next one February 2007 Paris?), invite also industrial organizations***

➔ ***www.motor-challenge.eu (national and european pages)***

➔ ***Discussion on MCP support entity: create working group within EnR network***

