4EM – MCP
Motor Challenge Programme - Energy Efficient Electric Motor Systems in New Member and Candidate Countries

Project summary slides

Grant Agreement
EIE-05-193
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01/2006 – 12/2008

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4EM-MCP, as the MCP extension to New Member and Candidate Countries, was designed to focus on disseminating, extending and applying MCP tools through national programmes in the countries of Central and Eastern Europe, in order to build capacity there and to raise energy efficiency awareness of policy makers and industry in this area by: dissemination, evaluation tools, market investigation and evaluation of energy efficiency potential, enterprise interventions.
Background

- The technical electricity savings potential of industrial motor driven systems in New Member and Candidate countries was estimated at 30 – 35 billion kWh/year (2.6 – 3.0 Mtoe/year) that means a savings potential equal to 8% - 9% of the overall electricity consumption in these countries.

- As reported in the Green Paper on Energy Efficiency of 22 June 2005, the annual improvement in energy efficiency in the 1990’s was 1.4% per year, and the rate declined since then. This project aimed to contribute actively to invert this trend.
Objectives and main steps

- The chief objective of 4EM-MCP was to reach out to industry in the new member and candidate countries and seek the involvement of enterprises either as Partners or Endorsers and thus promote the Project ideas.

- Equally important 4EM-MCP aim was to support and popularise the MCP programme and its ideas in the new member and candidate countries through stream of project activities chiefly focused on promotion and education.
Achieved results

The results of the initiative have been:

- Awareness of energy savings in motor driven systems as well as knowledge of the MCP was being raised through various dissemination activities summarized below:
  - 17 new partners and 19 new endorser recruited,
  - 69 energy audits and 40 enterprise interventions performed,
  - over 40 events (workshops, training seminars, etc) organized,
  - participation to 36 seminars, 11 trade fairs, 23 conferences,
  - 48 topic-related articles published,
  - vast numbers of leaflets and MCP brochures disseminated,
  - training modules for industries developed.

- Additionally, market investigation and energy efficiency potential evaluation was conducted in all countries involved in the Project. On the basis of the available data collected and analyzed by the Partners, ENERO drafted a market investigation report, which, as presupposed, revealed that market potential on short and medium term for energy efficient motors and systems is high. The motors users should change gradually replace their actual motors fleet with more efficient equipment, in order stay competitive on the EU market.

- Another Project chunk was national adoption of MCP toolset achieved by translating technical modules and the Paper and Software Tool into Project Partners national languages. Project Partners made a good use of this toolset conducting energy audits and enterprise interventions, promoting MCP during seminars, conferences, etc. This proves that MCP tools were not only adapted nationally but duly applied.

- Bringing 4 new countries into 4EM-MCP can be regarded as the great Project achievement in extending MCP application. Intensive dissemination conducted by the newly added National Contact points in those countries produced very good results and drawn new Partners and Endorsers to the Project.
## Partners and Contacts

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**Project website:** [http://www.mcpeurope.net](http://www.mcpeurope.net)