Energy Management for Industry

Increasing the competitiveness of industry is a key goal for most governments. Improving the efficiency of energy use within industry is a proven, cost-effective mechanism for increasing competitiveness, while simultaneously raising national productivity and strengthening energy security.

Evidence gathered by the International Energy Agency demonstrates energy savings of at least 26% are possible through effective policy support to raise awareness of opportunities, build technical expertise, increase access to capital, and ultimately reduce perceived risk.

Policy pathway to improving industrial competitiveness through energy management programmes:

- ▶ Combine voluntary and mandatory components within a comprehensive energy management programme. Include both drivers and supporting measures.
- ▶ Complement industry obligations with the provision of relevant institutional assistance including training, guidance tools and the establishment of peer networks.
- ▶ Promote participation by communicating and recognising real examples of energy efficiency achievements, for example through case studies.
- ▶ Assess and enhance programme effectiveness by establishing robust indicators and data collection methodologies, while minimising additional burdens to industry.

The full Policy Pathway offers guidance on developing and implementing energy management programs for industry and provides case studies from around the world. The report can be downloaded from www.iea.com

Checklist to successfully deliver Energy Management Programmes for Industry

PLAN: Define the purpose of the programme and its role in the policy framework. Develop the programme design, determine the tasks that should be included in the action plan and secure the required resources.

1 Define the goals of the programme within your overall energy and industrial policy framework.

2 Design the overall programme to achieve the defined goals.

3 Develop the detailed action plan, required institutional structures and secure the resources necessary for effective implementation.

IMPLEMENT: Provide appropriate institutional assistance and support. Secure active participation through promotion and recognising and communicating achievements.

4 Implement the action plan remembering to provide appropriate support, including training.

5 Promote the programme among key stakeholders and publically recognise achievements in individual companies or industries.

MONITOR: Measure the levels of compliance and the penetration of key to improve understanding of requirements and likely implementation.

6 Track the levels and depth of adoption of key technologies and techniques among target industries.

7 Assess degrees of compliance with mandatory and voluntary programme elements.

8 Communicate results and outcomes to highlight areas of success and to create focus on areas requiring further actions.

EVALUATE: Establish the overall effectiveness of the programme in meeting policy goals and, where necessary, adapt the programme to improve impact. Selection of appropriate indicators of success is critical.

9 Establish which indicators will show the degree of progress to goals, and collect the data required to quantify this progress.

10 Revise and adapt the programme to maximise cost effective impacts.

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