

EnMS Practitioner's Toolbox

Energy management tools and resources proven to deliver savings to industry



The toolbox—which will contain the most effective energy efficiency tools, measures, and activities from around the world—will enable industrial facilities to implement an energy management system and achieve greater energy savings.

Overview

The GSEP Energy Management Working Group (EMWG) and the Institute for Industrial Productivity (IIP) are working in partnership on the development of the **Energy Management Systems (EnMS) Practitioner's Toolbox**, which will contain a practical suite of proven and cost-effective tools, measures, and activities to improve energy efficiency through effective energy management.

Many countries are promoting the adoption of EnMS as a viable means of reducing energy consumption within industry. Best practice implementation materials such as software tools, case studies, technology catalogues and training resources are currently available notably in Australia, China, Japan, several European countries, and the United States.

The EnMS Practitioner's Toolbox will assemble a suite of resources that have already demonstrated positive results and together can overcome existing barriers and produce quick benefits for industry.

Governments could use this toolbox to help industry respond to evolving policies, improve productivity and competitiveness, spur technological change, identify improvement opportunities, and implement EnMS. This toolbox could also eventually provide the basis for the development of country and/or sector-specific versions, with particular emphasis on its application within developing economies.



EnMS Practitioner's Toolbox

Drawing from leading programs around the world, the EMWG and IIP are developing an internationally-vetted online toolbox that contains a suite of the most effective and practical tools, measures, and activities that enable industrial companies to implement and quickly benefit from energy management systems and processes.

How to contribute to this project

- Share country and industry-specific tools for the toolbox
- Partner with us to disseminate the toolbox to industry
- Pilot the toolbox in industrial facilities

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What will be in the toolbox

The toolbox, which is currently in development, will contain measures, tools and/or activities that can deliver the greatest, quickest and/or most cost-effective improvements in energy performance, such as:

- processes
- systems
- technologies
- energy reviews
- business models.

The toolbox may include case studies, software tools, calculators, guidelines, links to training materials, as well as other useful resources.

The first version of the toolbox is expected to be accessible online in mid-2014 and will link to existing industrial energy efficiency databases and tools through a user-friendly interface.

How to contribute

The EMWG and IIP are reaching out to a diverse array of stakeholders to collect energy efficiency tools and measures. Stakeholders include governments, NGOs, financial institutions, ESCOs, industry associations, equipment suppliers, and other aggregators.

EMWG members and other stakeholders can contribute by sharing country and industry-specific tools that could be included in the toolbox. For future phases of the project, EMWG members and other stakeholders could contribute by promoting and disseminating the toolbox to industry contacts through established networks and supporting pilot projects at industrial sites to test and refine the toolbox.

Key activities and timeline

Develop toolbox 1.0

September 2013-May 2014

The first version of the EnMS Practitioner's Toolbox will contain the top 10-20 internationally-available energy management tools. This will involve defining:

- the toolbox scope (sectors, processes, technologies, etc.)
- tiered energy performance improvement actions, which will form the framework for the toolbox
- the most relevant, available and proven tools for EnMS implementation
- the process to prioritize and select the components of the toolbox.

Further funding will be sought to finalise the toolbox, as outlined below.

Identify country & industry-specific tools

Build consensus with interested stakeholders on what suite of tools and training would be most effective for different countries and industries. These tools would need to be upgraded or tailored for specific country needs.

Pilot the toolbox

Conduct on-the-ground pilots in facilities to test and refine the toolbox.

The Global Superior Energy Performance (GSEP) initiative was launched in 2010 by the Clean Energy Ministerial (CEM) and the International Partnership for Energy Efficiency Cooperation (IPEEC). Through GSEP's Energy Management Working Group (EMWG), government officials worldwide share best practices and leverage their collective knowledge and experience to create high-impact national programs that accelerate the use of energy management systems in industry and commercial buildings. For more information, please visit www.cleanenergyministerial.org/energymanagement.



Established in 2010, the Institute for Industrial Productivity (IIP) is an independent non-profit organization whose role is to accelerate the uptake of energy efficiency practices amongst industry. It is the only global organization solely dedicated to helping reduce industrial energy use to mitigate climate change and address other relevant environmental issues. See more at: www.iipnetwork.org

