Why Energy Efficiency in Industry?

Industry accounts for 1/3 of global energy use
29% of the final energy demand in 2011
Demand for energy use in the industrial sector over the next two decades is expected to rise at rates higher than those for other sectors

Industry is the single largest source of GHG emissions:
- 32% of global emissions

Projected impact for implementing EE in industry:
- Reduce energy use by over 25%
- Reducing global energy demand by 8%
- Reducing global Co2 emissions by 12.4%
IEE Accelerator: Overview

The IEE Accelerator is a global collaborative platform and network of businesses, international organizations and NGOs that will provide tools, expertise, technical capabilities and financial capacity to partners to accelerate the improvement rate of energy efficiency in Industry in line with SE4ALL Goal on Energy Efficiency.

**Goal:**
To facilitate the implementation of Energy Management Systems, technologies and practices in global industrial energy use.

**Large Industries**
- Accounting for over 50% of global energy consumption in 2010

**SMEs**
- Saving potential of 15 to 25% in energy consumption in developing countries
Industrial Energy Efficiency Accelerator:
Structure and Building Blocks

**Leading Partners:**
UNIDO, IIP, TERI, and

**Key Stakeholders:**
Ministries of environment / energy, engineering firms, Industry associations, Banks, NGOs, etc.

**Supporting Organizations:**
GSEP, DOE, EEP, IPEEC, Carbon Trust, DOW Chemicals, etc.
## Industrial Energy Efficiency Accelerator: Differentiated Responsibilities

<table>
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<tr>
<th>Governments</th>
<th>Government encouragement, through energy management programs, of adoption of Energy Management Systems (EnMS) for energy-intensive companies and promotion energy efficiency in energy-intensive SMEs</th>
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</table>
| Public Utilities     | • Incentivize EnMS through demand-side energy management programmes  
                        • Target the most energy-intensive sectors                                                                                                                                              |
| Financial Institutions| • Mainstream energy efficiency financing in loan operations  
                        • Provide technical and EnMS implementation assistance based on best practices                                                                                                           |
| Industrial Companies | • Implement energy management approaches (e.g. ISO 50001) in the most energy-intensive facilities  
                        • Share success stories, tools, and training to spread EnMS across their supply chain                                                                                                    |
| Industry Associations| • Support roll-out of sector-specific collaborative frameworks  
                        • Foster company leadership and action around common energy management goals                                                                                                            |
| Target               | • SE4ALL Goal #3: Double the rate of energy efficiency in the industrial sector by 2030                                                                                                         |
4 Principal Offerings of the Industry Accelerator:

Support for development and formulation of EE policies
- Integrated policy and investment roadmap that provides innovative tools and instruments to promote successful policies under local circumstances at regional, national, and subnational levels

Capacity building for adoption of EnMS
- Training of public and private officials via “train the trainer” approaches, and on-the-ground region and sector-specific pilots

Financing solutions for the development and implementation of Accelerator goals
- Financial institutions mainstream EE financing into standard loan operations, coupled with technical and EnMS implementation assistance

Knowledge-sharing and information dissemination
- Platform for knowledge exchange for best practices in policy design and implementation, fostering south-south collaboration to address information barriers
Thank you

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