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UNECE Industrial Energy Efficiency (IEE) Task Force - Action Plan



Co-Chairs: Stefan Buettner, Hannes MacNulty

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Industrial Energy Efficiency Potential

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Industry = 1/3 of global energy consumption and CO2 emissions

Reducing energy consumption is economically viable

- Existing technology could deliver 30% reduction globally
- Future technology could raise that to 60% reduction globally

1. Implementation of such technologies remain slow

- Key Reason: Communication Gaps

IEE Task Force mission

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Facilitator and enabler on the topic of industrial energy efficiency between:

1. Policymakers

- Help Policymakers learn of energy efficiency best practices and understand the reality of market constraints for businesses

2. Businesses

- Help businesses understand and navigate existing industrial energy efficiency solutions and support structures

3. Supporting organizations

- Help supporting organizations collaborate and apply their services/supports more effectively

IEE Task Force scope of work

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1. Identify the key operational policy priorities in industry for member States and provide platforms for collective action
2. Provide an interactive platform for expanding already developed policies
3. Identify minimum industrial energy efficiency standards for important individual industry sectors to promote the best policy practices
4. Identify best available techniques for increasing energy efficiency in industry sector in the ECE region

IEE Task Force scope of work

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5. Promote exchange of information and data between Member States
6. Organize information sharing activities (workshops, seminars, roundtables,
7. Identify barriers and options for developing delivery of energy efficiency by utilities

IEE Task Force deliverables

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1. An industrial energy efficiency action plan drawing on all of the work items listed previously
2. An assessment of the roles of ECE and other stakeholder organizations in delivering on the action plan.

Purpose of IEE Task Force action plan

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1. Outline the general direction for the Task Force with a proposed scope of activities and goals for 2021–2022.
2. Provide an outlook for the Task force in the medium term:
 - Identify specific partner resources to improve communication on explaining the business case for industrial energy efficiency
 - Work with energy efficiency experts and supporting organizations to develop a platform that will function as facilitator between businesses, policymakers, and energy efficiency initiatives
 - Engage with businesses through existing initiatives to support the increased awareness and uptake of the existing industrial energy efficiency solutions and supports

IEE Task Force Action plan

1. Facilitation platform

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1. Identify the policy priorities in industry for the ECE member States
2. Identify priority energy efficiency topical areas
3. Develop new or collaborate with existing online platform to host information
4. Develop collaboration with the Institute for Energy Efficiency in Production, Fraunhofer IPA, and the Energy Efficiency Barometer of Industry' network

IEE Task Force Action plan

2. Barriers and best practice

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1. Identify minimum industrial energy efficiency standards for key industry sectors to implement best practices
2. Identify best available techniques and IEE resources
3. Identify barriers and options for developing delivery of energy efficiency via utilities

IEE Task Force Action plan

3. Networking and sharing information

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1. Develop collaboration with key outreach partners to organize information sharing events and disseminate findings to policymakers and industry
2. Developing a regional structure that brings together the key stakeholders in the form of a formal Industrial Energy Efficiency Network
3. Identify potential funding solutions to support the work of the Task Force

IEE Task Force Action plan: Medium Term

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1. Work to promote the concept of energy productivity and provide the value proposition within the framework of carbon neutrality
2. Work with the other subsidiary bodies of the Committee on Sustainable Energy to discuss complementary approaches on the path to carbon neutrality of the industry sector
3. Work with the UNIDO Industry Working Group to encourage industry taking more practical IEE action

The role of ECE in the Action Plan

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- Provide the required links between the many different stakeholder types
- Facilitate access to industry representatives in different ECE countries
- Bring together the international IEE best practice knowledge through ECE network of supporting organizations
- Through its central role ECE will be in position to collect and analyse the overall experience gained through the activities of the Task Force and provide key policy recommendations