Industrial Energy-Related Technologies and Systems

A Technology Collaboration Programme established under the auspices of the International Energy Agency

Views, findings and publications of the IETS TCP do not necessarily represent the views or policies of the IEA Secretariat or its individual member countries.
The IETS Technology Collaboration Programme (TCP)

The IETS is a TCP under the IEA, focusing on energy efficient industrial technologies and systems.

IETS was established in 2005 as the result of merging, revamping and extending activities formerly carried out by separate industrial IEA Programs.

IETS currently has 9 member countries: Austria, Canada, Denmark, France, Germany, the Netherlands, Norway, Portugal and Sweden.

For more information about IETS: http://www.iea-industry.org/
IETS Mission and strategic objectives

“To foster international co-operation among OECD and non-OECD countries for accelerated research and technology development of industrial energy-related technologies and systems”

- To strengthen international cooperation on energy saving and GHG mitigation in industry
- To include all industrial sectors and technologies/systems in the IETS area
- To facilitate cooperation between different industrial R&D disciplines
- To improve knowledge transfer and information between countries, researchers, and industries
- To develop international networks within an industry sector or within cross-cutting technology or system areas
The IETS Annexes

The core of the IETS activities is carried out in so called Annexes.

On-going:
- Annex XI – Industry-based Biorefineries
- Annex XIV – Energy efficiency in the iron and steel industry
- Annex XV – Industrial Excess Heat Recovery
- Annex XVI – Energy Efficiency in SME´s
- Annex XVII – Membrane Processes in Biorefineries
- Annex XVIII – Digitalization, Artificial Intelligence and Related Technologies for Energy Efficiency and GHG Emissions Reduction in Industry

Starting up:
- Annex XIX – Electrification in Industry

Finished:
- Annex XII – Membranes as Energy-Efficient Technologies for Separation of Hydrocarbons
- Annex XIII – Industrial Heat Pumps
Ideas and proposals for new Annexes or activities

- Process Integration
- Control System for improved energy efficiency
- International expert workshop on deep decarbonization in industry
- Sponsoring conference on negative emissions in industry (discussed together with IEA, Bioenergy and IEA, GHG)
Workshops and Conferences - Examples

- Joint workshop with IEA, Bioenergy on Industrial Biorefineries, Gothenburg, May 2017
- “The role of process integration for greenhouse gas mitigation in industry”, Expert Workshop in Berlin 2017
- Workshop in connection to the conference Industrial Processing, co-arranged with Dutch ISPT, June 2016 in The Hague.
- Several workshops in different Annexes
- Joint workshop on Industrial Carbon Capture and Storage, CCS, with IEA Greenhouse Gas (IEAGHG) TCP, Lisbon March 2015
- International Jubilee Process Integration Conference, Gothenburg March 2013
- Joint workshop on System Aspects of Biomass Based Gasification, with Bioenergy TCP, Task 33, Gothenburg November 2013
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