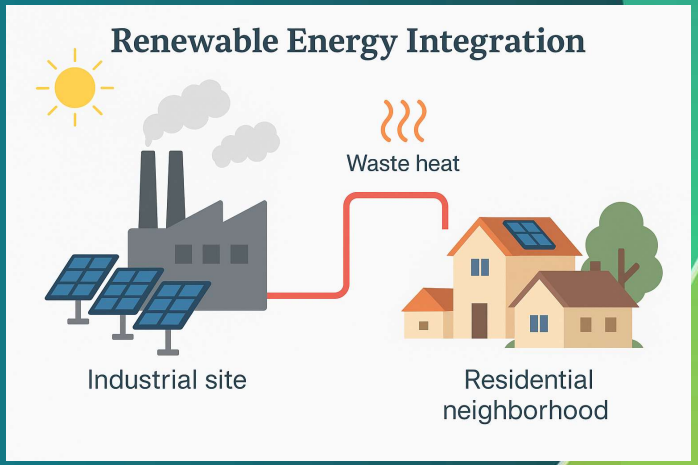
INDUSYN

CETP Pitching & Matchmaking Event for Integrated Industrial Energy Systems

Pitch template for INDUSYN



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Pitch for the INDUSYN Project 1/5

INDUSYN – Industrial Synergies for Regional Energy Systems

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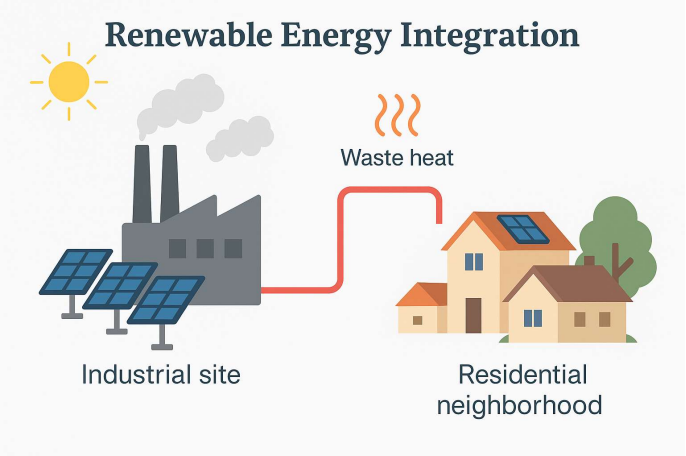
Consortium partners

- Coordinating organisation: TBD
- Main contact person: Gerfried Cebrat
- List of consortium partners:
  SENERCON/EUC/others from last year



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Challenge

- Exploiting waste heat and energy storage need suitable heat sinks to be economic
- Industrial buildungs have larger roofs or parking spaces – but investments of RE are less economic if the power has to be sold to the utility
- **Key research question:** How does the economic viability of renewable energy systems or industrial waste heat recovery change when new cooperation models across industrial and residential sectors are applied?

Develop transferable decarbonization modules for typical industrial processes

Integrate renewable, thermal, and storage systems at cluster level

Enable cross-sector energy coupling

Deliver digital toolkit for robust decarbonization planning

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Solutions proposed

- INDUSYN tackles the challenge by designing and simulating cross-sector cooperation models linking industry in industry zones and residential energy needs. The project uses simulation tools and economic models to optimize reuse of industrial waste heat, integrated with local heating networks and municipal energy strategies.
- **Relevant CETP modules:**
  - CM2025-07 – Integrated Regional Energy Systems: focuses on integrating industrial energy flows into regional multi-vector systems.
  - CM2025-02 – Energy System Flexibility: supports technical and economic optimization of dynamic energy exchange between sectors.

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Our next step activities for proposal submission to CETP JC2025

We seek CETP TRI6 partners to:

- Test and refine system modules in real zones
- Validate digital tools for regional replication
- Link industrial, municipal, and residential energy planning

We will turn complexity into structure.
Together, we decarbonize smarter

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We seek collaboration with:
- Industrial partners to provide use cases and data for waste heat recovery
- Municipal utilities and district heating operators to co-develop and validate integration models
- Cities and developers to support municipal heat planning and pilot projects

The INDUSYN project will demonstrate how industrial energy streams can serve as key enablers in regional low-carbon systems, and contribute to fulfilling high-priority policy goals such as the German Building Energy Act (GEG)….
Our project is looking for industrial municipalities,local energy agencies, industrial zones, facilitators, modelers…

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Thank you & contact information

Thank you for your interest

For more information please contact:

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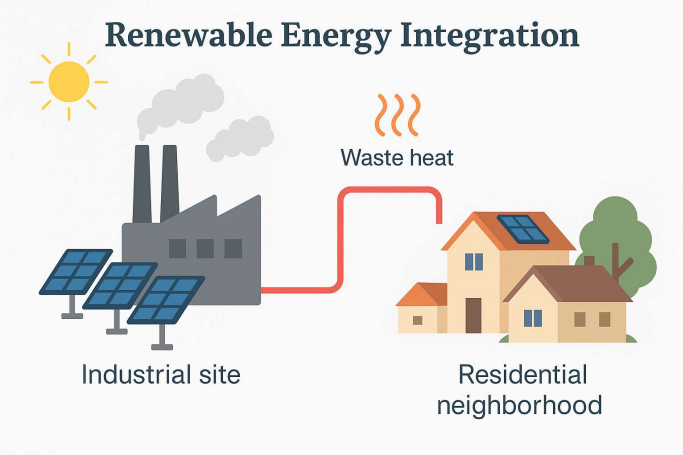

EUROPEAN PARTNERSHIP

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