

E4S



Empowering Energy Efficiency for Supply Chains

Background & Context

The E4S project is a practical response to the challenges posed by climate change, recent energy crises, and the growing need for a sustainable, low-carbon economy. By focusing on energy efficiency in industrial supply chain SMEs, the project supports key manufacturing companies and their suppliers.

Objectives

- » Promote the wider adoption of science based energy and power audit methodologies.
- » Establish and support networks between focal manufacturing companies and their suppliers to share best practices and drive collective improvements in sustainability.
- » Drive Measurable Impact: 50% implementation rate of energy audit recommendations and a 50% adoption rate of energy efficiency measures.
- » Develop Sustainable Business Models: Create and validate innovative business models, including a supplier certification scheme, that can be replicated and scaled to support a broader low-carbon transition.

Methodology



Energy & Power Audits

(EN 16247 and ISO 50002 Level II) together with a novel power audit concept among 20 SMEs connected to 4 large focal companies.



Energy Efficiency Networks

to double the impact of audit recommendations compared to standalone audits.



Sustainable Business Models and Financing Solutions

To support sustainable supply chain energy management and facilitate long-term financing solutions for energy efficiency measures.



Digital Monitoring and Benchmarking

Nordic digital platform with around 8,000 implemented energy efficiency measures.

Impact

CSRD & Scope 3: **Supplier-focused data enabling 4 focal companies to manage Scope 3 emissions**

Scalable and Replicable Business Models for: **engaged 4 focal companies + 12 via mission trips**

Investments triggered in sustainable energy within 5 years post-project: **€1 million**

Sustained Final Energy Savings and Emission Reductions: **6 GWh per year + ▼ CO₂ reduction**

Trained staff in supply-chain energy management: **72+**

Resource sharing: **Digital Handbook & One-stop-shop for broader industry uptake**



Project Consortium



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