

ENERGISE at a glance.

With its “low carbon energy” strategy, the European Commission is seeking cost-efficient ways of creating a more climate-friendly European economy. By 2050, the member states are required to drastically reduce their greenhouse gas emissions. After all, the future of Europe’s economy lies with clean technologies.

ENERGISE analyzes various infrastructure concepts and best-practice approaches of ICT expansion in modern energy grids.

ENERGISE unites relevant stakeholders of the energy and telecommunications sectors with shared areas of expertise and is aimed at supporting decision-making processes for core political, economic and social aspects of the “smart grid” TC infrastructure.

ENERGISE is developing an expert tool for resolving the key question of whether to adopt a shared or a dedicated ICT infrastructure.

More information on ENERGISE: www.project-energise.eu

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ENERGISE can be found on

www.project-energise.eu

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ENERGISE.

ICT-based *ENERgy* Grid Implementation –
Smart and *Efficient*.

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ENERGISE.

Modern communication infrastructures (ICT) for intelligent energy grids in Europe.

The energy transition and the objectives of the European “low carbon energy” strategy have given rise to significant requirements for the efficient use and control of energy infrastructures required for modern, intelligent energy grids (smart grids).

The European ENERGISE research project is conducting a cost-benefit analysis of various options for establishing ICT infrastructures for smart grids. It focuses on the core question of whether the modern energy systems of the future should be based on own or third-party communication infrastructures and is aimed at establishing which parameters apply in setting up these systems.

Study objectives.

Our study is aimed at providing an expert tool for supporting the decision-making process on a shared and/or dedicated ICT infrastructure. This tool will be based on the experiences and best-practice approaches of relevant stakeholders and is designed to support future ICT infrastructure projects in the energy sector.

ENERGISE is aimed at

- identifying relevant stakeholders and creating a European project forum
- promoting exchange on the study’s core question and sharing experiences gained from current implementation approaches
- establishing a theoretical model for supporting decision-making on a dedicated and/or shared communication infrastructure in the energy sector
- reviewing this theoretical model in the European project forum of relevant stakeholders in terms of its applicability and practicability, and
- developing an expert tool to enable sound decision-making in the context of planning dedicated and/or shared ICT infrastructures.

Expectations.

Efficient	ICT infrastructures in the energy sector
Simplifying	decision-making processes in ICT-based planning of new, intelligent grids
Identifying	innovative business models for pragmatic implementation

Core project question.

What is the best approach for establishing a communication infrastructure in smart-grid projects?

