

Your path to climate neutrality

Together we develop an individual transformation concept for your company

Your company has set itself the goal of climate neutral production and management in the near future? But you lack an experienced partner for the conversion of your energy supply?

We support you in creating a transformation concept tailored to your company. In doing so, we take into account not only the state of the art but also current research developments. In this way, you can offer your customers climate neutral products and services in the future. Regardless of whether you need to cover heating, cooling or electricity requirements in a climate neutral way, our experts will develop a solution for your individual problem.

The result is a roadmap with concrete step-by-step recommendations based on the ecological and economic benefits. We will also be happy to accompany you through the subsequent steps.

We understand your problem

Let's talk about the changes coming up in your company. We can advise you directly on the transformation of your energy supply and also accompany you in the long term.

Our services are eligible for funding under various funding guidelines and programs. Please contact us.

Keywords

- Climate neutrality
- Energy transition
- Transformation concept
- Heat transition

Industrial sectors

- Energy intensive industry
- Industry with process heat demand

Our offer

Transformation concepts according to current funding programs

- Analysis of the current state of energy supply including planned efficiency measures
- Conceptual design of CO₂ reduction measures (renewable energies, efficiency measures, etc.)
- Development of an individual GHG neutrality target
- Creation of a site-specific roadmap

Optional complementary/additional services

- Static or dynamic simulation of your plant (digital shadow/twin)
- Detailed analysis of the systemic influence of measures on the inventory system
- Analysis and optimization of operating strategies (flexibility options, smoothing of peak loads, etc.)

Support programs

You can receive pro-rata funding for the creation of transformation concepts through various funding programs. One funding opportunity is summarized below.

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BAFA funding for resource efficiency

- Module 5: Promotion of transformation concepts
- Funding of up to 60 % of the costs for concept development
- Opens up advantages for investment grants for the realization of measures within the framework of other funding modules

Further information

Competence of the Department Energy Systems Engineering

www.umsicht.fraunhofer.de/en/competencies/energy-systems-engineering.html

Your benefit

Well positioned for the future

- An energy concept fit for the future
- Transformation paths for your climate protection strategy
- Prioritization of the identified individual measures
- Well-founded basis for investment decisions

Know-how from applied research

- Many years of experience with thermal-hydraulic simulations
- Broad knowledge transfer on key technologies
- Scientific independence

Strong partnership for upcoming challenges

- Uncomplicated and direct cooperation
- Meeting your challenges together
- Access to our partner network

Contact

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