



# SYNERGIE

*Synchronized and energy-adaptive  
manufacturing technology for a flexible  
alignment of industrial processes to  
a fluctuating power supply*

# KOPERNIKUS-PROJECT SYNERGIE

## What does the future energy system in Germany look like?

Due to the ever-increasing share of renewable energies, the energy system in Germany will be strongly influenced by fluctuating power generation in the future. Therefore, solutions have to be developed which stabilize the power grid, i.e. synchronize the use of power with the generation of power. Of course, the future power supply must also remain affordable.

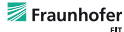
## What contribution does SynErgie make to this energy system of the future?

The project »SynErgie« researches, develops and demonstrates for the first time across multiple industries how energy-intensive manufacturing processes in particular can be adapted to a fluctuating power supply in order for them to make their contribution to the success of the energy transition. Due to the considerable share of industry in Germany's power consumption, there is a great potential leverage effect.

## How must the framework conditions for energy-flexible manufacturing processes be designed?

In the energy-flexible model region of Augsburg, SynErgie, together with industry, research, power suppliers, network operators and civil society, demonstrates the advantages of industrial energy flexibility for a region. However, in order to be able to use the enormous potential of industry on a large scale, regulatory changes, for example in grid fees, are indispensable. The project partners are therefore also working on a future market design.

# PARTNERS



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