

## **Decarbo**nization: <u>t</u>echnical and <u>e</u>conomic <u>c</u>alculations

Decarbo:tec is a unique programme we use to create evaluations as a part of a draft concept. Technical, ecological and economic data are calculated in order to create several case studies for you.

The main components of our calculations are:

- Your 15-minute load profile at the network connection point
- Your area identification for energy production [PV, wind power plant, existing plants, etc.].
- Your requirments for interconnection of sectors | Power-to-X [battery storage, electrolysis, e-mobility, and many more].

## The result:

A survey of your energy potentials and an evaluation of possible investment decisions!

**Decarbo:tec** is our service for determining energy potential and evaluating investment decisions.

- 1. Technical and economic calculations
- 2. Forecast of renewable energy generation
- 3. Calculation of the savings potential for CO2
- 4. Integration of battery storage systems
- 5. Integration of hydrogen

- 6. Integration of electromobility
- 7. Integration of thermal energy
- 8. Optimization of technology sizes
- 9. Comparison of variants
- 10. Visualization of the decision parameters



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