

## Ongoing Projects

- Energy Innovation Center (EIZ), BMBF funding ID 03SF0693A, ILB application number 85056897.
- BTU-BAM graduate school „Trustworthy Hydrogen“.
- Waste biorefinery technologies for accelerating sustainable energy processes (WIRE), COST Action CA20127.
- TURBO Fuel Cell 1.0, funding ID 03EWS002A.

## Competencies

- Development, optimization, and reduction of kinetic models for hydrocarbon redox reactions and interaction with  $\text{NO}_x$  chemistry.
- Development of multi-dimensional models coupled with detailed surface chemistry for calculation of conversion rates and heat release in reactors.
- Development of models for lithium-ion battery calculations.
- Development of real-time capable models for use in software for control and regulation of steady-state and dynamic combustion engineering systems.
- Development and optimization of chemical energy storage systems based on the Power-to-X process.



## Site Plan

## Contact

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- Cottbus is located in southern Brandenburg, approximately midway between Berlin and Dresden. Cottbus is easily accessible by car via the A13/A15.
- To reach us by public transport, take bus line 16 from Cottbus main station to the Papitzer Straße stop.

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