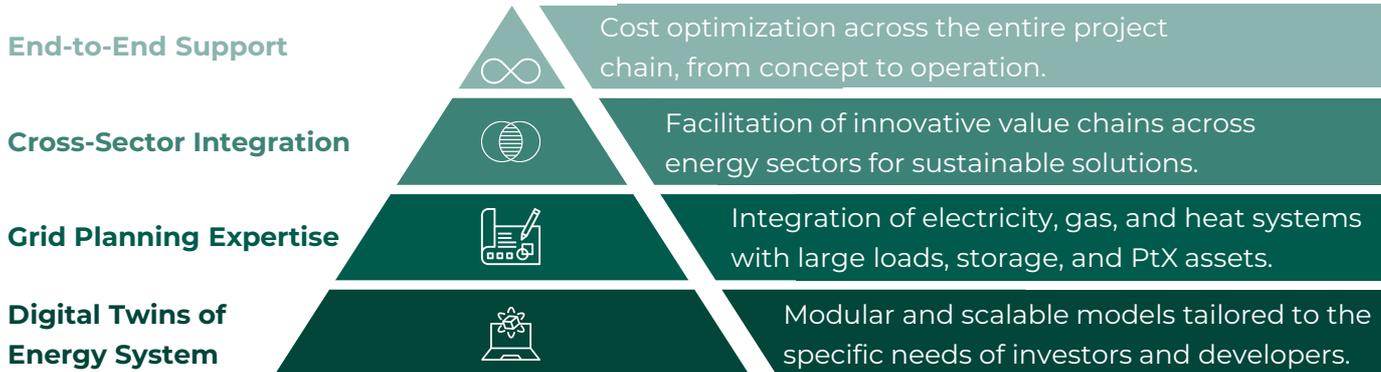


Providing Solutions for Energy Grid & Storage

We are a consultancy company focused on driving the energy transition, combining decades of industrial experience with technological expertise and cutting-edge market knowledge. Across all project phases, our innovative approach balances cost-efficiency, system reliability, and transparency, enabling seamless integration of renewable energy, storage systems, and Power-to-X units into the grid.

Our Service Scope



Our Service Activities

- Advanced simulation tools to assess the optimal techno-economic design and performance, as well as to handle uncertainties through large-scale sensitivity analyses.
- Tailored analyses of technical constraints, grid connection, and sector coupling studies.
- Transparent trade-off evaluations, such as reliability versus investment costs.
- Feasibility studies and sensitivity analyses to determine the optimal grid design and integration strategies for energy assets.
- Hands-on support for integrating renewable energy into power systems.

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Our References

H2 and E-Fuels Plants

Techno-economic assessment by an automated load flow calculation and cost assessment for a 100% RES based islanded grid including the initial assessment of grid stability measures.

PV and Wind-Supplied P2X Plants

Customized grid planning, KPI development, and sensitivity analyses for techno-economic optimal design.

Analysis of Electricity Supply

Qualitative, quantitative and simulative analysis of the primary electricity supply starting from the high-voltage level down to low-voltage consumers to identify possible single points of failure and other risks.

Renewables for Sewage Plants

Feasibility simulations and business case analyses to optimally size and integrate renewable energy sources in combination with storage systems to meet 80% RES-targets

EMS Market Analysis

Analysis of the German EMS market with a focus on the C&I and utility segments. Identification of the top EMS providers and their offerings. Evaluation of the value pools along the BESS / EMS value chain and the outlook until 2035. Assessment of overall market attractiveness and business potential.

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