



## Feasibility Study

Before investing in an energy project you should acquire assurance about several aspects, such as economical, juridical, technical and temporal feasibility. RWE’s long-term experience and expertise in energy plants enable us to take on your business and support you in making the right decisions.

RWE experts investigate technical feasibility and financial viability to provide the basis for potential project funding. Our studies range from simple concept studies, through prefeasibility, to fully bankable feasibility studies and mine or power plant master plans. We reflect both technical and economic aspects for the life of the proposed asset. In our work we go beyond simply assessing the environmental effect of the mine or power plant; we revise mine or power asset plans to minimise and mitigate potential environmental impacts, ensuring that environmental protection is an integral part of the project.

Our range of experience and awareness of current market and technical issues shows us where to concentrate our efforts in that important part of a project.



## Your Benefits



- Reassure partners and financial backers about the viability of your project
- Know your choices how to design and run your plant
- Know and minimise your risk exposure
- Ensure your plant is “fit for purpose”
- Understand the drivers of your projects business case
- Profit from our long-term experience



## Our Scope

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### Services

- Market analyses
- Concept studies
- Techno-economic analyses
- Siting studies and site investigations
- Feasibility studies
- Due diligences
- Mine plans
- Plant concepts
- Operations concepts
- Environmental impact assessments (EIAs)
- Preliminary design and conceptual engineering
- Technical assistance and advisory

### Area of Expertise: Power Plants

- Hard coal-/lignite-fired power plants
- Steam, gas turbine and combined cycle power plants (CCGT, OCGT)
- Co-firing/waste-to-energy/CHP plants
- Seawater desalination facilities
- Industrial power plants
- Grid connections
- Energy and battery storage/backup power solutions
- Pumped storage/run-of-river hydropower plants
- On-/offshore wind plants
- Solar/PV plants

### Areas of Expertise: Mining

- Open-cast mines
- In-pit crushing and conveying (IPCC) systems
- Conveyer belts
- Bulk material handling systems
- Bulk terminals, port handling equipment
- Large mining equipment

