

Technical Consulting

Competence
and responsibility





The RENERCO
knowledge pool:
A basis for your
projects' success

9
King Street St.

 renerco

Introduction

RENERCO stands for independent and comprehensive consulting services in the field of wind energy, photovoltaics, bioenergy and geothermal energy projects in Germany and abroad.

Numerous clients from the most varied business segments rely on our expertise, among them German and international banks, renowned investment companies and leasing companies as well as institutional investors.

To date, RENERCO has serviced – and, to a large extent, is still servicing – over 75 projects in the fields of wind energy, photovoltaics, hydropower, combined heat and power plants and sewage treatment plants. The total investment volume amounts to more than three billion Euros.

Moreover, RENERCO has advised many clients with special consulting requirements.

20 years of experience and a large portfolio of projects that RENERCO has developed and/or managed over the longer term – our competence has accrued from all this. We have a unique knowledge base acquired from everyday dealing with the challenges faced by project developers and plant operators, and this benefits our clients.

In the field of wind energy, RENERCO draws on the knowledge of all major manufacturers and turbine types. In the photovoltaics segment, we have acquired years of experience with diverse inverter concepts and module types. RENERCO performed pioneering work in the field of geothermal energy in the Bavarian Molasse Basin.

Since RENERCO acts as a project developer throughout Europe, we know about the special conditions prevailing in individual countries and the respective local developments, which is essential for the assessment of projects and problem issues.

Wind Energy

For 20 years now, RENERCO has acted as a technical consultant for wind energy projects in Germany and abroad.

RENERCO offers all technical consultancy services required for project assessment and structuring. We draw upon recognised experts when it comes to specialised tasks. RENERCO carries out comprehensive and reliable analyses of the technologies employed, assists in designing project agreements and performs risk assessments (due diligence).

RENERCO continually conducts acceptance tests during the construction phase and ensures smooth transition to the operations phase. We make sure that work is performed in accordance with the generally accepted technical regulations in compliance with both time schedules and cost and capacity plans. We document the construction phase through to commissioning or final acceptance. Our final acceptance tests of wind farms are focused, in particular, on the inspection of foundations and rotor blades.

Our clients also benefit from RENERCO's many years of experience during the operations phase and can, for example, draw upon technical and economic analyses of operating results, the development of suitable maintenance strategies, systematic failure analyses as well as consultancy services and assistance in processing cases of damage.

But it's not only about technology – economic assessment of the overall project is also significant. Having accumulated two decades of experience in this segment, we are in a position to deliver well-founded operating costs analyses. Evaluating the need for and cost of maintenance measures is one of our core competences.

Our many years of experience show: Comprehensive technical service leads to economic success



Photovoltaics

As an appraiser and technical advisor in Germany and in the rest of Europe, RENERCO has assessed and supported photovoltaic projects with an installed capacity of more than 180 MWp.

We provide analyses and assessments of the technologies employed, render support in the designing of significant project agreements and conduct risk assessments (due diligence).

RENERCO performs technical controlling, monitors construction activities, and conducts technical acceptance tests. To this end, we use state-of-the-art technical tools, such as thermographic cameras, various irradiation monitoring devices, and equipment for measuring electrical parameters.

During plant operation, we regularly verify performance and operating data in order to ensure optimum performance. In collaboration with institutions and specialised firms, we also carry out our own test and trial programs and pass on our findings to clients.

We place emphasis not only on technical issues but also on the economic success of the investment.



Geothermal Energy

RENERCO has acquired a secure knowledge base that has been proven in practice due to the geothermal projects carried out at Dürrenhaar and Kirchstockach and the site development and geological exploration of further mining rights concerning areas in the Bavarian Molasse Basin. This knowledge base covers all development, approval, and implementation processes involved in geothermal projects.

Moreover, RENERCO has a broad network of technical and geological firms, drilling companies, and suppliers of plant and feed pumps at its disposal.

RENERCO offers this expertise to all companies wishing to invest in deep geothermal energy projects, be it by developing own mining rights or by investing in a geothermal energy project already realised. Our range of services extends from the provision of consulting services regarding detailed technical issues through to comprehensive project management during all project phases.



Bioenergy / Combined Heat and Power Plants

RENERCO has comprehensive experience in the assessment of project approaches and in the evaluation of existing plants in the bioenergy sector.

The use of biomass as an energy provider traditionally competes with its utilisation in food production and as a building and base material for many other industrial applications. Careful evaluation of these aspects is crucial for successful project assessment.

RENERCO has been active for more than 15 years in the management of large municipal and industrial combined heat and power plants. Our strength is competency in this field, in particular, and in energy management in general.

We would be pleased to use our expertise to assist you.



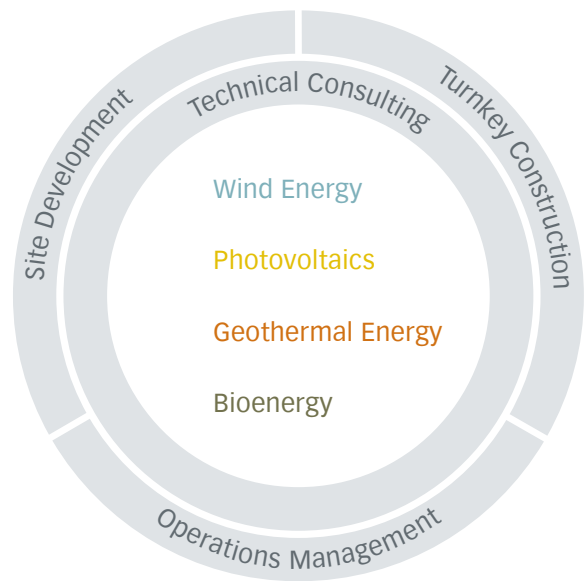
Benefit from
our experience, our
network and our
highly motivated staff

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We advise, develop, construct.
Competent and reliable.
With new energy.
Efficient, safe, sustainable.



RENERCO Renewable Energy Concepts AG

Herzog-Heinrich-Strasse 9
80336 Munich, Germany

T +49 89 383932-0

F +49 89 383932-32

energy@renerco.com

www.renerco.com

Trade register Munich HRB 149 809

VAT DE 813850191



Member of the BayWa r.e Group