



EXPIRY OF EEG: CONTINUED OPERATION OR REPOWERING?

THE END OF EEG TARIFFS AND THE DESIGN LIFETIME OF WIND TURBINES POSES NEW CHALLENGES FOR WIND FARM OPERATORS. WE WILL SUPPORT YOU IN DEVELOPING YOUR INDIVIDUAL STRATEGY.



CONTINUED OPERATION

Wind turbines are typically designed for 20 years of operation. At the end of their design lifetime, verification that the turbines have adequate reserves for continued operation is needed.

rpc has supported numerous wind farm operators with the verification process:

- Estimation of the total useful life of wind turbines
- Coordination of the verification process
- Site-specific wind potential calculation for the theoretical verification process (rpc is accredited wind expert in accordance with DIN EN ISO/IEC 17025:2005)
- Coordination of turbulence calculations, theoretical verification and practical testing by an expert
- Processing of results for the relevant approval authority
- Development of a new maintenance strategy

ELECTRICITY MARKETING

It's not enough to obtain technical approval for continued operation. The tariff rate you can expect to receive in future is also critical for your calculations.

rpc will support you with the selection of an electricity marketing strategy and analyse the expected income and costs.

REPOWERING

Many sites are suitable for repowering, and this is often the more attractive option in the long term.

Since this requires a larger investment, careful planning is important.

Critical factors include the regional planning and land use plan conditions, the economic viability and site-specific approvals.

rpc proceeds in multiple stages:

- Preliminary review of regional planning and land use plan factors
- Further feasibility study/design planning, including yield-optimised layout of the farm, taking into account noise and shade restrictions, clarification of the grid connection, turbine selection and economic feasibility
- Approval planning and management
- Execution planning, call to tender and supervision of construction work

DISMANTLING

If continued operation or repowering are not an option, rpc can coordinate the dismantling process:

- Market research on the sale of wind turbines and components
- Call to tender for dismantling work
- Supervision