



Industrie Service

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Photovoltaics with TÜV SÜD – to ensure the successful implementation of your project

Feasibility studies

The site of a photovoltaic power plant is critical for its profitability. TÜV SÜD conducts and reviews energy yield assessments and inspects local conditions at prospective sites. Starting from the submitted technical data of a plant (modules, inverters, connection configuration, supply point) TÜV SÜD draws up yield predictions while taking into account possible reductions in yield.

Bankability studies and technical due diligence

To secure investment in a PV power plant, technical feasibility and a host of other factors must be taken into account. TÜV SÜD's experts offer assistance and support throughout all tests and issues related to investments in PV plants. In doing so, we are guided by the quality criteria for solar funds defined by the German Solar Industry Association. We examine and take into account a host of aspects including:

- Cost planning (price comparison, cost of operation and maintenance)
- Compliance with legal requirements at national (land use, easement) and international level

- Implementation planning (organisational structure, schedule, safety concept)
- Insurance package (breakdown, component failure, vandalism, theft)
- Review of plant design (component quality, sizing, rack construction and module mounting, grid compatibility test)
- Monitoring and inspection during installation
- Approval (output measurement, electroluminescence, EVA gel content tests, thermographic tests, electrical safety)

For the purchase of PV power plants, we also assess the state of repair and determine the realistic value of a plant.

Testing of PV systems of up to 10 kW_p

Our experts also offer comprehensive services for ensuring the safe use of small-scale PV systems. We inspect the selection of electrical equipment, safe electrical installation, grounding systems, protective conductor and equipotential bonding conductor, lightning and surge protection.

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