



In safe hands: LCF KULOĞLU's Best in Class Investors Advisory Services

1- Project Development and Permit Process Management Works

- Preparation and submission of call letter application documents
- Making connection agreements and system usage agreements
- Approval of electrical and civil projects
- Obtaining the municipality letter of conformity

2 - Project Design and Engineering Services

- Preparation of site topography and 3D general layout plan.
- Preparation of DC/AC and LV/HV single-line diagram
- Preparation of grounding plan
- Preparation of cable routing plans
- Preparation of civil-mechanical project and calculations
- Making electrical calculations (MV - LV)

3 - Solar Power Plant Engineering Services

- Technology Selection (Tracker-Fixed, Bifacial-Monofacial, String-Central Inverter) and LCOE Optimization (Angle, Distance, Height) Services.
- Conceptual design of the general layout plan and single line diagram.
- Preparation of bankable energy generation simulation report.
- Preparation of technical specifications, RFP, and brand list.
- Creating the technical parts of the EPC contract and supporting the commercial parts.
- Evaluation and comparison of EPC offers.
- Examination and reporting of EPC detail designs and calculations.
- Inspection of EPC in terms of quality and time schedule with site visits.
- Examination and reporting of field acceptance tests.
- 3rd Party Independent Consultancy Services
- Project management services
- Commissioning support services



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4 - Solar Module and Site Measurement, Inspection and Reporting Works

- Preparation of panel factory inspection report
- Inspection of panel production (storage, production, and testing stages)
- Making IV measurements
- Visual inspection of the site quality
- Grounding measurements
- Thermal camera measurements with drone
- Thermal controls of panels and electrical connections
- Torque checks of mechanical and electrical connections
- Evaluation and reporting of electroluminescence (EL) images.