Technical due diligence for RE power plants – tailored to your needs

Allianz VDE RENEWABLES
Renewable energy power plants are complex undertakings with a variety of factors to consider, many of which evolve at various stages of the project. It is therefore of utmost importance to plan and execute the project properly to minimize risk and optimize financial returns. Having an experienced independent partner to carry out due diligence can help developers achieve these objectives.

Through the partnership between Allianz Climate Solutions and VDE Renewables, we offer a multidisciplinary, comprehensive scope of services for the entire lifecycle of your project. From engineering, contracts analysis and project management to insurance and financing, we are with you every step of the way, providing a one-stop approach for:

- Technical consulting
- On-site and laboratory-based technical support
- Component supply chain quality assurance
- Financing sourcing for debt and equity
- Insurance solutions
- Project certification
- Legal advisory (with external partners)
- Tax advisory (with external partners)
- Transaction advisory: cost optimization, credit loan and conditions check
- Overall project management for due diligence services

Our goal is to provide you with trusted, impartial due diligence services which will reduce your risk and provide you with confidence in your project’s success. The unique advantages of working with us include:

- Comprehensive risk mitigation through our multidisciplinary approach ensures that all relevant project aspects are covered
- Our established knowledge and experience in the finance and insurance industry means we are well equipped to support project bankability and insurability
- We help moderate the communications between different project stakeholders and help ensure that relevant information is shared and discussed
- Our one-stop-shop approach helps optimize time and costs
- We work hand-in-hand with our customer-partners to ensure that you get exactly what you need

Our experience

- EUR 10 billion assessed investment volume.
- Highly qualified projects for investors and banks
- 1,000 projects evaluated in all major regions
- 4 GWp PV projects reviewed
- 3.5 GWp RE projects insured
- Present in Europe, the USA and Asia
Supporting the entire project lifecycle

| Feasibility and project development | Site evaluation and feasibility: resource assessment, environmental and security conditions, grid availability  
- Design review: Code compliance and conformance to best practices, key components evaluation (generators, mounting systems, trackers, balance of system, and system integration)  
- Environmental and permitting: technical and environmental studies, GPS, mapping, construction and operational compliance  
- Performance estimate: energy yield assessment (EYA)  
- Project structure: project ownership, overall schedule milestones, procurement and logistics, expertise and regulatory framework  
- Key agreements and contracts review: permitting, environmental risk management, land agreement, manufacturer purchase contracts, EPC, technical and commercial management agreement, power purchase agreement, grid connection, warranty, operations & maintenance, tax and subsidy, credit loan  
- Financial model review: CAPEX, OPEX, return of investment, cash flow evaluation |
| Pre-construction | Electrical, mechanical, civil engineering: plant design and optimization  
- Component supply chain quality assurance: factory audits, production supervision, pre-shipment inspection  
- Static calculation of the roof (in case of rooftop installation) |
| Construction | Construction activity progress evaluation and review: status, costs, health and safety, potential hurdles |
| Operations | Monitoring, control and asset management: complete or spot evaluation of components  
- Operations and maintenance (O&M) review  
- Power plant certification (optional, subject to successful fulfillment of pre-defined technical and performance-related quality criteria)  
- Contracts evaluation (in case new contracts are signed in the operation phase)  
- Cash flow review (if update is requested) |
| Insurance | Project evaluation for insurance coverage  
- Provision of insurance solutions (e.g. construction insurance, performance guarantees) |
| Secondary market | Asset evaluation (for re-selling) |
| End-of-life | Evaluation of power plant re-powering decision  
- Evaluation of de-commissioning and recycling concept |
Get to know your partners

About Allianz Climate Solutions
ACS was founded in 2007 to address the strategic relevance of climate change for Allianz and is the competence center within the Allianz Group for climate change with a focus on renewable energy.

ACS provides customers with access to innovative insurance products, financing options and project procurement services as well as detailed market and technology assessments. ACS advises on risk-related aspects of renewable energy projects during planning, construction and operational phase. This in particular covers in-depth project and risk analysis, financial advisory, manufacturer and bankability evaluations as well as rating advisory. ACS advises a broad range of international clients, including international investors, banks, manufacturers and Allianz bodies.

About VDE Renewables
VDE Renewables brings value to its clients in the cleantech space by maximizing the quality and reducing the risk profile of components and entire systems. VDE’s goal is to support the implementation of clean energy projects that are bankable, investable and insurable. It strives towards this goal by offering neutral certification and testing, as well as technical due diligence and independent/owner’s engineering services.

In the components area, VDE not only offers standard certification according to international technical standards, but also premium certification that goes beyond the standards, to meet the needs of the most discerning clients and stakeholders. In the systems area, VDE pioneered the development of complete and comprehensive PV and wind power plant certification, which is designed to fulfil the criteria set by key financial stakeholders such as investors, lenders and insurance companies.