



SGS光伏电站服务

SGS SOLAR PV PLANT SERVICE



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关于SGS About SGS

SGS是国际公认的测试、检验和认证机构，是公认的质量和诚信的基准。SGS集团在全球各地共有98,000多名员工，分布在2,650多个分支机构和实验室，构成了全球性的服务网络。

SGS is the world's leading testing, inspection and certification company. SGS is recognized as the global benchmark for quality and integrity. With more than 98,000 employees, SGS operates a network of over 2,650 offices and laboratories around the world.

SGS工业服务 SGS industrial

SGS工业服务在中国大陆现有员工超过1,700人，在17个城市派驻有检验员和业务员：上海、苏州、杭州、南京、宁波、广州、厦门、深圳、武汉、重庆、成都、西安、北京、天津、郑州、青岛和大连，在15个城市配备有实验室：上海、苏州、杭州、南京、宁波、广州、厦门、深圳、武汉、成都、北京、天津、青岛、烟台和大连。凭借完善的全球网络，SGS工业服务能为材料与制造、石油化工、电力及公用设施、基础设施等多个领域提供专业且快捷的检验、鉴定、测试和认证服务。

With around 1,700 employees in mainland China, SGS Industrial has equipped with inspectors and sales in 17 cities, which is Shanghai, Suzhou, Hangzhou, Nanjing, Ningbo, Guangzhou, Xiamen, Shenzhen, Wuhan, Chongqing, Chengdu, Xi'an, Beijing, Tianjin, Zhengzhou, Qingdao and Dalian, and has equipped with laboratories in 15 cities, which is Shanghai, Suzhou, Hangzhou, Nanjing, Ningbo, Guangzhou, Xiamen, Shenzhen, Wuhan, Chengdu, Beijing, Tianjin, Qingdao, Yantai and Dalian. Relying on its worldwide network, SGS industrial is able to provide professional and efficient inspection, verification, testing and certification services for such industries as materials and manufacturing, oil and gas, power and utilities, infrastructure and construction, etc.



SGS光伏电站服务

SGS solar PV plant service

光伏电站在其长达20多年的运营周期中，除去不可抗力等会造成电站毁灭损失的风险因素，任何微小的设备质量问题所造成的损失对项目的收益影响非常巨大。因此，在项目设计、制造、安装、验收、运行维护等整个生命周期内制定正确的质量保证和风险管理计划至关重要。

SGS新能源团队，作为光伏第三方技术服务领域的领跑者，持续研究和关注客户需求，潜心打造助推客户光伏产业发展的行业“利器”，立足于为包括投资商、银行、业主、保险公司、运营商、承包商、设备制造商等客户提供专业、先进的一站式光伏电站服务方案，帮助客户提高电站建设质量、增加电站经济收益、降低运营风险，不断为客户带来卓越的经济价值，提升客户的市场竞争力。

通过选择SGS光伏电站服务，您可以享受：

- 全球化的服务网络，专业的服务团队
- 完善的服务能力，一站式体验
- 以SGS庞大数据库为基础的质量和风险管理
- 为您量身打造定制化的服务方案

During the more than 20 years operation of one solar PV plant, except for force majeure risk factors will cause the destruction of power loss, any tiny failure of equipment will cause big loss of the project return. Therefore, it is very important to set up proper quality and risk management plan for the whole project lifecycle including design, manufacture, installation, commissioning and in-service operation.

As the leading third-party company in the field of photovoltaic, SGS renewable energy team continuously focus on clients' needs and the development of PV industry. we mainly offer professional and advanced one stop solar PV plant services for our clients including investors, banks, owners, insurance companies, operators, contractors, manufacturers etc. to improve the quality of solar PV plant, increase power generation benefit, reduce the risk of operation and enhance economic value and market competitiveness.

Beneficial from SGS solar PV service:

- Universal technical experts and global network
- One stop service capability
- SGS service database and risk based service
- Tailor made service module

SGS光伏电站全生命周期服务

SGS service in lifecycle of solar PV plant

• 立项阶段

- 技术尽职调查服务
- 选址评估服务
- 风险评估咨询服务

• CONCEPTUAL PHASE

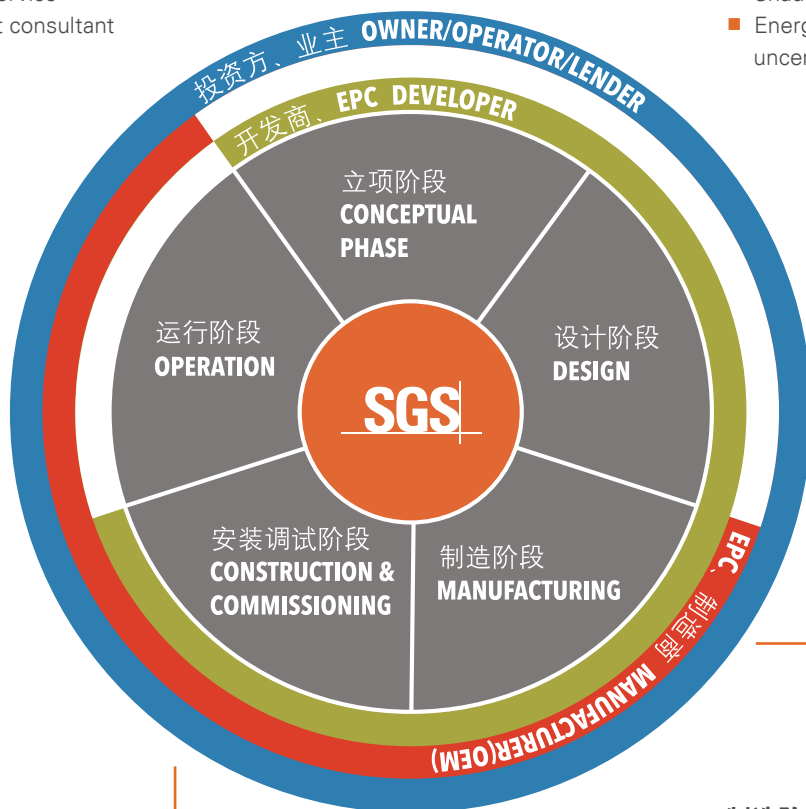
- TDD
- Site evaluation service
- Risk assessment consultant

• 设计阶段

- 光资源分析
- 阴影分析
- 发电量预测和不确定性评估

• DESIGN

- Solar resource analysis
- Shadow analysis
- Energy yield prediction and uncertainty evaluation



• 运行阶段

- 定期检验服务
- 光伏组件25年功率衰减跟踪测试
- 光伏电站防雷测试
- 光伏电站系统效率测试
- 光伏电站辐射计标定服务
- 光伏电站运维认证服务
- 技术尽职调查服务

• OPERATION

- Periodic in-service inspection
- Photovoltaic modules 25 years power attenuation tracking test
- Photovoltaic power station lightning protection test
- Photovoltaic power station system efficiency test
- Photovoltaic power station radiometer calibration service
- Photovoltaic power station O&M certification service
- Technical due diligence service

• 安装调试阶段

- 关键合同及技术文件评审
- 到货检测
- 安装指导培训
- 安装质量及安规性能评估
- 试运行后评价及验收

• CONSTRUCTION & COMMISSIONING

- Review of key contracts and technical documents
- Pre-installation inspection
- Installation supervision and training
- Installation inspection
- Commissioning survey and final acceptance inspection

• 制造阶段

- 供应商评审与招标支持
- 检验与监造
- 实验室测试
- 监装
- 质量管理及改善服务

• MANUFACTURING

- Supplier assessment and bidding support
- QA/QC service
- Lab testing service
- Loading supervision service
- Quality improvement service

SGS全球网络分布

SGS global network



SGS海外光伏电站服务

SGS global solar PV plant service

当中国开发商、EPC投资方参与到海外光伏电站建设或涉及光伏上游供应链时，包括政策、技术、运维、人员等方面的诸多风险与问题可能将严重影响到项目投资的收益成功与否。

When Chinese investor and/or EPC involves in solar plant and supply chain outside China, the risk and problem caused by policy, technique, O&M and operator will obvious influence the return of the project.

依托于超过130个国家和地区的全球化服务网络，以及SGS第三方技术服务在国际市场享有的极高认可度，SGS可助您开拓海外光伏电站市场：

Armed with an global service network over 130 countries and the worldwide acknowledge of SGS service, SGS will give you full support your global solar PV projects via:

- 当地新能源政策、法规的咨询服务
- 项目所在地与中国国内的对标服务
- 项目所在地强制性产品及并网认证、检测服务
- 项目所在地的合约工程师及实验室 服务

- Consultancy service of policy and regulation in project location
- Standard check and comparison service
- Mandatory inspection and certification request for product and grid connection in project country
- Contract engineer and laboratory service in project country

联系我们

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WHEN YOU NEED TO BE SURE

