



Suntrace Provides

- Sophisticated on site measurement solutions with our HelioScale stations
- Cost-effective meteorological assessments from high-level project screening to bankable expert opinions for PV and CSP projects
- Reduction of uncertainty through our step-wise solar resource assessment approach providing a trustful base for the entire project development

Selected Credentials

- Installation/operation of >200 measurement stations worldwide
- Solar mapping and monitoring with the MNRE/GIZ SolMap Project in India
- Support solar resource mapping for World Bank ESMAP in Vietnam, Maldives & Bangladesh
- Standardising and benchmarking of satellite derived and measured solar radiation products for IEA and IEC
- Professional trainings and lectures on solar resources in Germany, Brazil, India, Ethiopia and Tanzania
- Solar resource assessments from initial investigations to bankable expert opinions for more than 4 GW of PV and CSP plant capacity

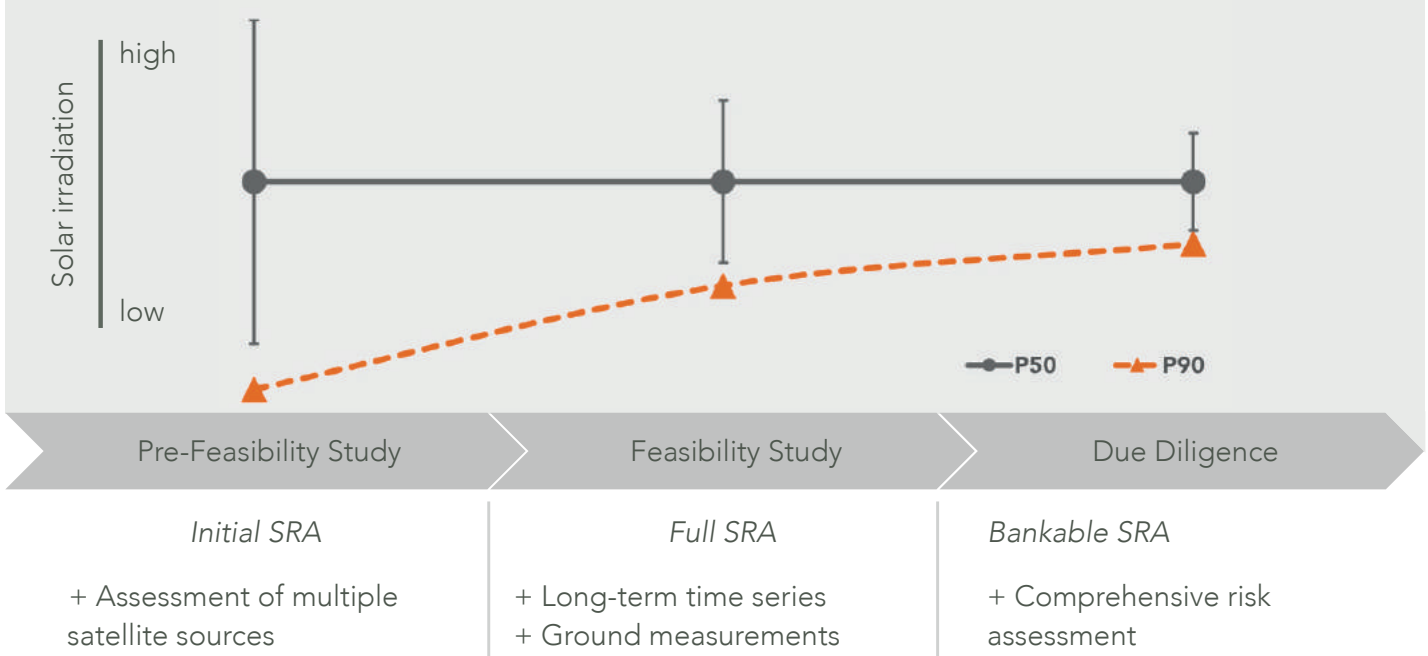
✓ **Site Screening & Selection**

✓ **Solar Resource Assessments**

✓ **On Site Measurement Solutions**

Solar Resource Assessments (SRA)

Reducing uncertainties through Suntrace's step-wise solar resource assessment approach:



For PV and CSP yield the strongest impact on uncertainty originates from solar resource uncertainty. During the early stages of project development, the solar resource uncertainty from initial investigations can reach 10% and more. Through our step-wise solar resource assessment approach, and in particular through our on-site measurement solutions, this uncertainty can be significantly reduced. This mitigative approach in turn increases the solar irradiation P90 value, and establishes a reliable and trustworthy base that is crucial for the bankability and investability of the project. A more thorough assessment might reduce uncertainty by 2%. This means P90 increases by about 2.5%. This improvement of the P90 can for example increase your Net Present Value (NPV) by up to 200.000 EUR for a 10 MW project.

On Site Measurements

We develop and provide the HelioScale series of measurement stations ensuring a reliable foundation for solar project development and operation. We offer high quality measurement solutions focusing on compact and efficient design.

- Installation and commissioning
- Maintenance and remote station operation
- Data validation and quality assurance
- Monthly and annual reporting
- Project specific solutions for solar radiation, ambient conditions, soiling, corrosion and wind measurements
- Measurement campaigns for market development



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