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## Seminar and Training

The capital of a company is also always in the minds of employees. SolPEG helps to multiply this capital. Benefit from our expertise in the field of photovoltaics. We organize seminars in Hamburg on a regular basis focussing on yield- and cost-optimized plant planning and simulation software PVSYST.

If there is a sufficient number of participants these seminars will be offered in other places and/or for an exclusive group of participants. We also offer trainings for other simulation programs, like PV\*SOL or INSEL.

## Individual Workshops

In addition, we can lecture on other topics on one of your workshops and work out a customized seminar for you.

## EXPERTISE

- Yield Analysis
- Profitability Analysis
- Yield Simulation

## PLANNING

- Preliminary Design
- Execution Design
- Revision Design

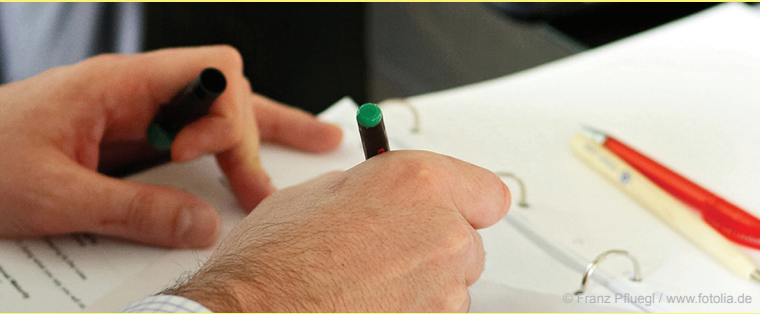
## INSPECTION

- Construction report
- Final acceptance
- Trouble shooting

## TRAINING

- Seminars
- Workshops
- Individual Trainings

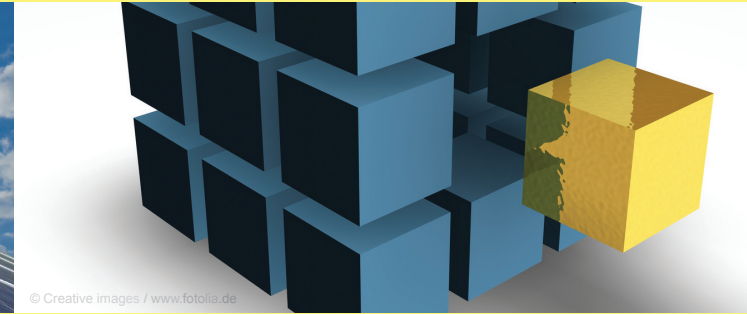




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### Quality and Experience

The energy yield of a PV system is crucial for the amortization of the investment. The assessment of various factors, such as local irradiation, shading, use of components, etc., requires profound expert knowledge and long experience, which is exactly what SolPEG stands for. The high quality of our yield analysis expertises is reflected in the following characteristics:

- Site visit to accurately detect the shading situation and collect other factors of influence
- Site-specific weighting of several recognized sources of irradiation data, including local services and satellite-based services (e.g. SolarGIS, Helio-Clim)
- Simulation with independent expert software
- Weighting of several recognized methods for irradiation transformation
- Detailed shading analysis (horizon line, 3-D modeling of near shading objects)
- Detailed breakdown of all relevant loss factors
- SolPEG Expertises are accepted by Banks and Investors worldwide

### Right decisions

Besides the selection of individual components also their arrangement, dimensioning and interconnection have a perceptible impact on the performance ratio and hence on the energy yield of a PV system. Therefore, it is absolutely necessary to make the correct decisions right from the start of the planning. We support you with our expert knowledge and years of industry experience. Whether preliminary planning, submission planning or execution planning - from the module to the inverter - we can adjust our services to meet your individual needs. Among others, we offer:

- Yield optimized inverter module interconnection
- CAD layout for modules, frame arrangement and string wiring
- DC cable dimensioning and loss calculation
- Dimensioning of all DC wiring components
- CAD DC switching plans with component labelling
- Selection of monitoring system components

### Safe investment

A reliable yield can only be achieved with a high-quality construction. In addition, the built PV system should be in accordance with the planning and yield reports. Therefore it is important that a project is checked by independent experts in terms of quality, safety and standards compliance. SolPEG GmbH offers the following services:

- Interim and partial acceptance
- Construction progress report
- Mechanical completion report
- Final inspection and regular inspection
- Troubleshooting
- Low yield analysis
- Damage assessment
- PR measurement
- Technical Advisor

SolPEG also offers due diligence reports and interim and final inspections of PV installations.