

DGS SolarSchule Thüringen

SOLAR SPECIALIST PHOTOVOLTAIC

Why further educate yourself in the area of photovoltaics?

Solar energy is becoming increasingly popular. The rapid market growth of photovoltaics (PV) has exceeded all expectations. The innovative technology opens up new markets and opportunities in several fields.

The course DGS Solar Specialist Photovoltaic is an advanced course. The participants should have previous knowledge in the area of electrical engineering. Focus is placed on laying out and planning PV systems, including step-by-step calculation exercises based on example systems from the site visit to quotation. The professional team at DGS provides the necessary knowledge in its seminar DGS Solar Specialist Photovoltaic to layout, plan and prepare bids for photovoltaic systems according to good professional practice and RAL quality certification. The RAL system, an initiative of the DGS, incorporates all norms and regulations pertaining to photovoltaics. The DGS lecturers work in the field and are able to convey the subject matter well.

The further education course is targeted at:

- HVAC contractors
- Energy consultants
- Civil engineers and architects
- Technical personnel from power suppliers and grid operators
- Technical administration personnel
- Planners in PV firms, distribution facilities, system providers
- Adjusters in credit institutions and insurance providers

SEMINAR CONTENT

SOLAR SPECIALIST PHOTOVOLTAIC

Basics

- Solar radiation, solar cells, modules and inverters
- Mode of operation, characteristic curves and parameters
- Ecological and economical evaluation
- Legal conditions and subvention opportunities
- Quality based on the RAL certification for solar energy systems RAL GZ 966

Planning and design of grid-connected PV systems

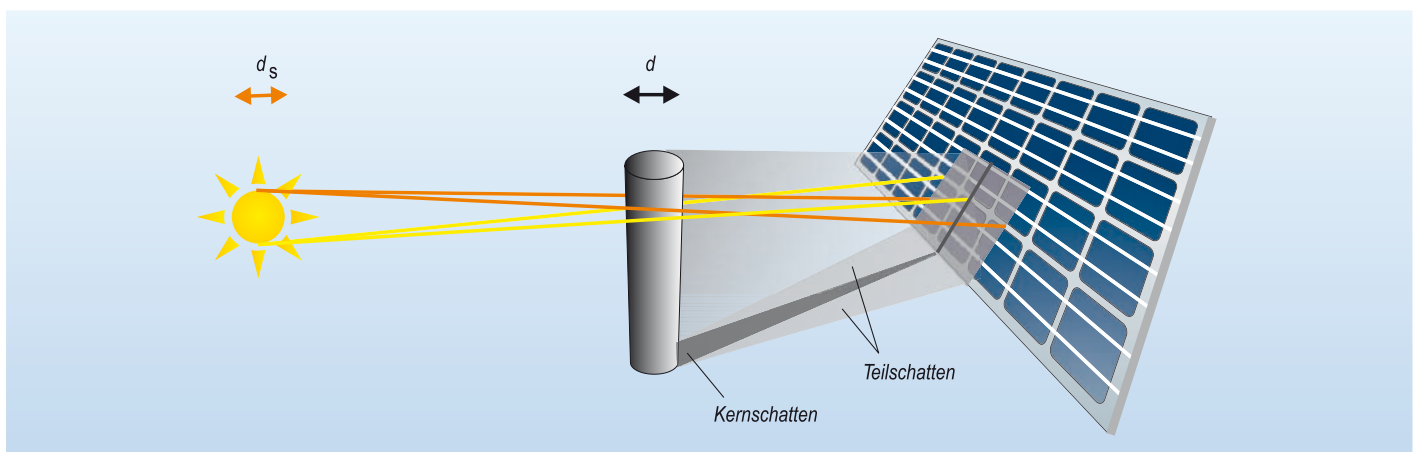
- RAL GZ 966 – Category P2 system design
- Technical regulations
- System conception
- Step-by-step layout of a PV system
- Sizing of components and cables
- Calculation and offer preparation
- Yield analysis and optimisation

Simulation Programs

- Overview of simulation programs
- PC simulation with PV*Sol
- Layout, system configuration, yield calculation

Assembly, installation and operation

- RAL GZ 966 – Category P3 assembly and installation
- Professional installation and norm conformity
- Start-up and operation
- Error analysis and maintenance



COMMENTS FROM FORMER PARTICIPANTS:

„The thing that I liked most was finally listening to people who really know what they talking about.“

SEMINAR: SOLAR SPECIALIST PHOTOVOLTAIC

Duration: 4 days (32 academic hours)

Location: Weimar and on location

Schedule: www.dgs-thueringen.de

DGS SolarSchule Thüringen

COURSE INFORMATION

The SolarSchool courses have been developed and offered in Germany since 1996. Today the successful training concept is also being transferred to other countries. In 2004 one SolarSchool was opened in Taiwan, in 2007 in Macedonia and in 2009 one school per country in Ethiopia, Laos and Cambodia. There are now plans to open SolarSchools in Latin America.

- Duration of the course: four days (32 academic hours)
- Number of participants per course: 8–15

Each participant receives a certificate of participation at the end of the course. In addition, the participants may choose to take an exam for qualification as a solar specialist (accredited certification).

- Course textbooks: The DGS Photovoltaic Guidebook “Planning and Installing Photovoltaic Systems”, was developed by DGS experts and is regularly revised to reflect the current technology and market developments.
- Location: The course is mainly carried out on site.
- Fees: Course fee: 850,- EUR Special conditions may apply for groups.
- Course text books: 109,- EUR (DGS PV Guidebook)
- Exam fee: 59,- EUR

The current schedule is available online under

www.dgs-thueringen.de

Further dates and times can be arranged upon request.



CONTACT

DGS SolarSchool
German Association of Solar Energy e.V.
Regional Association Thüringen

Cranachstraße 5
99423 Weimar
Germany

Fon + 49 (0)3643 21 10 27
Fax + 49 (0)3643 51 91 70

E-mail: solarschule@dgs.de
www.dgs-thueringen.de