

### Key benefits of attending

Participants of this event shall increase their knowledge of PV quality, prevent malinvestment, safeguard their companies against potential losses of millions in purchasing, financing and shareholder investment, and protect themselves against third-party liability. They will find answers to most significant questions, including:

- ▶ What are typical errors when building and operating PV installations?
- ▶ What are the potential pitfalls in module selection?
- ▶ How should performance specifications be understood?
- ▶ Who is responsible for the damage when components fail and jam an entire system?
- ▶ What testing procedures can be used and what does it cost?
- ▶ How do you evaluate the validity of certificates and what do they say about everyday operation and long-term performance?
- ▶ How important are seemingly small parts like cables and connectors?

Join this conference to ensure the performance of your PV investment and safeguard your capital investment.

### Partners



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### Solarpraxis

#### Organiser

Solarpraxis AG is your one-stop provider of knowledge, technical expertise and services in the fields of engineering, publishing and conferences. Founded in 1989, the company has developed into a leading provider of consulting and services for the renewable energies sector.

#### Conferences

Solarpraxis has been one of the leading organisers of conferences in the renewable energies sector since 1998. Its conferences are valued industry platforms which offer decision makers in the renewable energies industry opportunities for targeted networking and information exchange. They are well-established, close to the market and customer-oriented. Using a combination of specialist presentations and topical panel discussions, they examine the technology, development, financing and policies of the market, always focusing on practical benefits. Industry representatives are given the opportunity to share ideas, to follow and discuss the latest developments, and to meet representatives from politics, the press and the financial world.

#### Conference management

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### Sponsors



### Programme

4 - 5 October 2010,  
London, RIBA

**Photovoltaics  
Quality Briefing:**  
*Key considerations to  
safeguard your capital  
investment*

# Photovoltaics

## Quality Briefing:

### Key considerations to safeguard your capital investment

#### Facts

- ▶ **Date:** 4-5 October 2010
- ▶ **Venue:** Royal Institute of British Architects, 66 Portland Place, London, W1B 1AD
- ▶ **Participation fee:** 695 € excl. VAT
- ▶ **Registration:** [www.solarpraxis.de/conferences](http://www.solarpraxis.de/conferences)

#### Introduction

Investing in solar PV, whatever the scale, is not a cheap business. Consequently, it is important to know the system you are looking to invest in will offer you a good return. But how can buyers and installers choose with confidence? In a PV system, the modules are often the most expensive part. The quality and life of the modules, therefore, can make or break a system. Unfortunately however, many of the problems only show up after several years, which can lead to such problems as the manufacturer no longer being around, or a dispute over the guarantee's terms and conditions.

How then, can a system owner or investor ensure that their system will function effectively, in 10 or 15 years time? These issues will be addressed at the 1st Photovoltaics Quality Briefing, which has been designed to help you increase your knowledge of PV quality, prevent malinvestment, safeguard your company against potential losses, and offer important information on liability and financing.

#### Programme 4th October

- 9:00 Registration and Welcome coffee
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- 10:00 Welcome and opening words  
"Quality is everything"  
• *Karl-Heinz Remmers, Solarpraxis*
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- Planning for success –  
Quality assurance and risk elimination  
in project planning & development**
- 10:15 Introduction to the UK- Market  
• *Ray Noble, Renewable Energy Association*
- 10:40 Project planning how to secure quality of the system in the planning stage  
• *tba, ib Vogt Group UK*
- 11:05 Developing a solar PV project in Great Britain - avoiding the pitfalls  
• *Neil Budd, Watson, Farley and Williams*
- 11:30 State of the art technical burdens by banks: harassment or securing investors from bankruptcy  
• *Karl-Heinz Remmers, Solarpraxis*
- 11:55 Yield forecasts, Prognosis and just wrong estimates: What PV- Calculations tools and underlying planning can really deliver?  
• *Chris Laughton, The Solar Design Company*
- 12:20 Questions and discussion
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- 12:30 Lunch break
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- Quality of Modules -  
Quality criteria, typical weak points, error sources**
- 13:30 Module quality assurance for customers  
• *Dr. Jürgen Arp, PV Lab Germany*
- 14:15 PV-Module quality assurance for producers - status, weaknesses, recommendations  
• *Willi Vaaßen, TÜV Rheinland*
- 15:00 Quality standards and certificates - guidance and limitations UK special MCS for products  
• *Kevin Sweeney, Intertek*
- 15:20 Questions and discussion
- 
- 15:30 Coffee break
- 

- Achieving quality in installation - crucial issues, error sources, typical risks and faults**
- 16:00 Solar on buildings: Quality assurance for roof, facade and the electrical system  
• *Reza Shaybani, System Photonics*
- 16:20 Thinking big - how to ensure quality in large scale projects  
• *Matthias Lienekampf, John Schroeder, Goldbeck Solar*
- 16:40 Quality work force - MCS installers  
• *tba*
- 16:55 Questions and Discussion
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- 17:00 Evening reception
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#### Programme 5th October

- 09:00 Welcome coffee
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- 09:20 Wrap up first day  
• *Jackie Jones, sustainable energy communications*
- 
- Getting it going and keeping it going  
Grid connection, performance test and monitoring**
- 09:30 Introduction to Feed-In Tariffs - and how to benefit  
• *Philip Wolfe, Ownergy*
- 09:50 Monitoring and long-term performance commissioning testing (large and small scale) - installation testing - initial measurements  
• *Bruce Cross, EETS*
- 10:10 Achieving 20 profitable years: Components + Uptime of Inverter + stable Installation  
• *Prof. Nicola Pearsall, University Northumbria*
- 10:30 Monitoring of small, medium and large installations: Systems, procedure, effects  
• *tba, SMA Solar Technology*
- 10:50 Questions and discussion
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- 11:00 Coffee break
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- 11:30 End Discussion with chair persons as panellists
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- 13:00 Farewell-Lunch
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