

Program

Solar Quality Summit Europe

24.-25.01.2023 | Hyatt Regency Barcelona Tower, Barcelona
www.solar-quality-summit.com

Tuesday, 24.01.2023

09:15 - 10:00

Foyer Hyatt Regency Hotel

Registration

09:15 - 10:00
 Registration

10:00 - 10:15

Auditorium

Welcome and Opening Statements

Europe is faced with an unavoidable dilemma – continued dependence on an old, outdated energy system, or embracing the possibilities of cheap, clean, sustainable energy. The EU's ambitions for solar PV are welcome and the task now falls to industry to deliver a cleaner, more equitable future for all.

10:00 - 10:15
 Welcome and Opening Statements
 Markus Elsässer, Chief Executive Officer, Solar Promotion GmbH
 Walburga Hemetsberger, Chief Executive Officer, SolarPower Europe

Moderator
 Benjamin Clarke
 Business Analyst, International Cooperation, SolarPower Europe

10:15 - 11:15

Auditorium

Avoiding A Quality-quantity Binary: Quality Assurance in Europe's Great Solar Scale-up

As Europe looks to transition quickly to a greener, more secure future, greater emphasis will be placed on guaranteeing the efficiency of solar installations. This opening plenary session will bring together EPC and O&M service providers, as well as Asset Managers to assess the challenges and opportunities of ensuring continued asset quality at a time of record installations.

10:15 - 11:15
 Avoiding A Quality-quantity Binary: Quality Assurance in Europe's Great Solar
 Adele Ara, Head of Global Business Operations, Lightsource bp
 Alden Lee, Head of Department Solar Procurement/Logistics/Quality, ABO Wind AG
 Andrea Viaro, Head of Sales EMEA, Stäubli
 Timo Moeller, Chief Growth Officer, NovaSource Power Service

Moderator
 Benjamin Clarke
 Business Analyst, International Cooperation, SolarPower Europe

11:15 - 12:00 **Coffee Break**

11:15 - 12:00
Coffee Break

12:00 - 13:00

Room Eiffel & Sears

Solar Skill-up: Creating a Workforce that Can Deliver

A solar scale-up must go hand in hand with a solar skilling-up. Keeping up with the increasing demand for skilled people will not be an easy task. In this session, employers from across the industry will explore innovative ways that they have sought to scale-up their workforce, and how future skills bottlenecks can be avoided.

12:00 - 13:00

Solar Skill-up: Creating a Workforce that Can Deliver
Mariyana Yaneva, Policy & Communications Director, APSTE - the Association for Production, Storage and Trading of Electricity
Pär Lundström, Senior Policy Advisor on Business and Skills Policies, The Swedish Installation Federation
Maria Sabella, Founder and CEO, Relight Energy Services
Julie Beaufils, Secretary General, EuropeOn

Moderator
Daniel Dang
Director Business Development, SolarPower Europe

Room PISA

Scene-setter Presentation on Hottest Markets in Europe and Those with the Highest Potential _AND_ Spotlight Presentation on the European Finance Landscape for Renewable Energy

12:00 - 12:30

Scene-setter Presentation on Hottest Markets in Europe and Those with the Highest Potential
Michael Schmela, Executive Advisor and Director of Market Intelligence, SolarPower Europe

12:30 - 13:00

Spotlight Presentation on the European Finance Landscape for Renewable Energy
Tsvetelina Kuzmanova, Senior Policy Advisor - EU Sustainable Finance, E3G

Rooms Petronas & Liberty

Making Manufacturing a Success: The Importance of Factory and Transportation Audits

Europe has ambitious plans to develop a manufacturing industry. However, the overall success of this endeavour can only be guaranteed by producing high-quality products. This session will look at the importance of factory audits during the procurement phase of a project, and how thorough factory audits can help bolster and improve quality in European manufacturing.

12:00 - 13:00

Making Manufacturing a Success: The Importance of Factory and Transportation Audits
Arthur Claire, Head of Technology, Sinovoltaics
Dr. Fernando Ortuño Prados, Quality, EHS & Security Global Director, Soltec
Laura Miranda Perez, Corporate ESG Manager, Oxford PV

Moderator
Thomas Garabetian
R&I Manager, SolarPower Europe

13:00 - 14:30

Lunch Break

13:00 - 14:30
Lunch Break

14:30 - 15:30

Rooms Eiffel & Sears

Finance and Project Bankability: Square Peg in a Round Hole?

Making a success of Europe's energy transition depends on the scaling up of investment in renewable energy. However, gaps in understanding between project developers and investors over the central issue of project bankability persist. This session will bring together finance professionals, project developers, and quality assurance providers to improve mutual understanding and demonstrate how quality assurance is vital to ensuring bankability.

Rooms Petronas & Liberty

Challenges and Rewards of Revamping and Repowering Solar Assets

Europe has one of the world's oldest fleets of PV power plants. As technology develops, and competition for land increases, the need for effective revamping and repowering practices will only increase. Done effectively, this can improve the yield of a PV plant and lead to increased efficiency and return on investment. However, there are several key pitfalls to avoid when looking to revamp or repower an asset. This panel will bring together asset owners and O&M service providers to assess the risks and opportunities of revamping and repowering projects.

Room Pisa

Solar Communities – The Future of Renewable Energy

The EU's solar strategy calls for at least one energy community to be established in every municipality with a population over 10,000, but what does this mean concretely? This session looks at how decentralised solar can improve access to clean energy in urban areas, help to alleviate energy poverty, and ensure that urban settlements can play their part in the European energy transition. This panel will bring together municipalities, energy community members, cooperatives, and the solar industry to share perspectives on what has worked thus far, and how the EU's ambition can be realised.

14:30 - 15:30

Finance and Project Bankability: Square Peg in a Round Hole?

Josefin Berg, Research and Analysis Manager, Clean Energy Technology
 Guido Agostinelli, Senior Industry Specialist, IFC (World Bank Group)
 Miguel Valente, CFO, Greenvolt
 Kahya Engler, Technical Lead M&A – Strategy, Sunrock

Moderator
 Thomas Sauer
 President, EXXERGY

14:30 - 15:30

Challenges and Rewards of Revamping and Repowering Solar Assets
 Dr. Wolfgang Rosenberg, TCO Solar
 Jörn Carstensen, Managing Partner, greentech
 Asier Ukar, Managing Director, PI Berlin

Moderator
 Benjamin Clarke
 Business Analyst, International Cooperation, SolarPower Europe

14:30 - 15:30

Solar Communities – The Future of Renewable Energy?
 Maria Colom, Head of Decentralized PV, ENGIE
 Seda Orhan, CAN Europe
 Isabel Vilaseca Boixareu, Lawyer, Som Energia

Moderator
 Stefano Miriello
 Policy Advisor, RE-Source Platform

15:30 - 16:15

Networking Break

15:30 - 16:15
 Networking Break

16:15 - 17:15

Rooms Petronas & Liberty

Keeping the Plates Spinning: Successful Asset Portfolio Management and Enlargement

The maths is simple – more solar installations mean larger portfolios for asset managers. This panel discussion will look at best practices for successfully onboarding new assets and managing large portfolios. The lessons learned from the past will provide valuable experience for effective asset management during Europe’s solar scale-up.

16:15 - 17:15
 Keeping the Plates Spinning: Successful Asset Portfolio Management and Enlargement
 Julien Deckx, Product Manager, 3E
 Kate Blades, Head of Quality, Lightsouce bp
 Xavier Puerta, Senior Project Engineer, UL

Moderator
 Benjamin Clarke
 Business Analyst, International Cooperation, SolarPower Europe

Room Pisa

When the Wheels Come Off: The Fundamentals of Insurance and Warranty Management

As solar scales up, effectively insuring assets and managing warranties will become a more complex process. This session will bring together insurers and technical asset managers to look at the latest trends in the European insurance markets, and to draw out the best practices in warranty management.

16:15 - 17:15
 When the Wheels Come Off: The Fundamentals of Insurance and Warranty Management
 Pawel Muszyński, Head of Business Development, Nomad Electric
 Jörg Althaus, Clean Energy Associates
 Soukaina Ismaili Alaoui, Technical Account Manager, STS

Moderator
 Thomas Garabetian
 R&I Manager, SolarPower Europe

Rooms Eiffel & Sears

Supply Chain Transparency and Sustainability – No Longer a Box Ticking Exercise

The green transition in Europe must also be a socially and environmentally responsible one. This means improving transparency and sustainability practices across the board. More key now than ever for all stakeholders are robust supply chain monitoring mechanisms that maintain confidence in solar PV as the energy of the future. This session will investigate more closely how companies can take steps to implement the new Solar Stewardship Initiative, including some initial findings from the pilot programme.

16:15 - 17:15
 Supply Chain Transparency and Sustainability – No Longer a Box Ticking Exercise
 Ozer Ergul, Group Head of Procurement | CPO, Aquila Capital
 Pia Alina Lange, Government Relations and Sustainability Manager, Trina Solar
 Steven Xuereb, Executive Director, PI Berlin
 Valentina Desanctis, Sustainability Ecosystem - Global Power Generation, Enel Green Power

Moderator
 Alexia Ruvoletto
 Senior Policy Advisor on Trade, SolarPower Europe

17:15 - 18:30

Exhibition

Networking Event

17:15 - 18:30

Networking

Moderator
Tina Barroso
Head of Office Berlin, Conexio-PSE GmbH

18:30 - 20:30 **Dinner and Networking at the Skyfall Restaurant / Hyatt Hotel**

18:30 - 20:30
Dinner and Networking

Wednesday, 25.01.2023

09:00 - 09:15

Auditorium

New Digital Platform: Ensuring Solar Best Practices

SolarPower Europe's Best Practice Guidelines are key to improving transparency and understanding across the industry, providing a blueprint for an effectively run solar asset. The key challenge now is to ensure that best practices are widely adopted as solar scales-up rapidly across Europe. This mini-session will see the launch of SolarPower Europe's new solar best practices digital platform, a new, modern-looking website that makes the Best Practice Guidelines more accessible and more digestible than ever before.

09:00 - 09:15

New Digital Platform: Ensuring Solar Best Practices

Moderator

Benjamin Clarke

Business Analyst, International Cooperation, SolarPower Europe

09:15 - 10:15

Auditorium

TRUST-PV Session I

The intermittency and unpredictability of renewable energy are a core bottleneck for a smoother renewable energy transition. Data analytics and a deeper understanding of the performance of the PV plants can provide the necessary edge to the solar asset managers by providing a hedge to that unpredictability factor. Therefore, the optimal operation of utility-scale solar power plants requires extensive data-based analytics that can predict the deviation of performances from overall plants to specific component levels. In summary, emerging from the chaos of data, data-based analytics running parallel to operation provides structured intervention scope to optimize asset management of PV plants. Hence, within TRUST PV and SERENDI-PV, there has been focused research activity on this scope. Innovative data-based research for various levels of solar power plant users targeted to analytics both on short and long-term perspectives. Operational data is used to identify patterns and generate valuable insights. In this session, the focus will be on three key elements:

1. How years of time series database from operational plants can help benchmark vital components of utility-scale PV plants. Most importantly, how patterns can emerge to predict those component failures earlier. Why it is interesting to keep an eye both for the most and least occurring failures.
2. How small and medium-sized commercial/ residential PV systems can use peer-to-peer (P2P) optimization methodology to improve the baseline model PV performance and detect different failures. A peer-to-peer model which depends on similar PV systems and is independent of weather data.
3. How hybrid model base in combination with machine learning approaches can assist in identifying failures in PV plant operation. Moreover, to provide insight into two of the most critical components (inverter and battery pack).

09:15 - 09:20

TRUST-PV Session I

David Moser, Research Group Leader, EURAC Research

09:20 - 09:30

Big data analytics for PV plant operation: benchmarking components with early prediction of losses and failure

Gofran Chowdhury, R&D Team Lead, 3E

Julien Deckx, Product Manager, 3E

09:30 - 09:40

Peer-to-peer (P2P) optimization methodology for medium size commercial-residential PV systems

Yitzi Snow, Researcher, Solarmonkey

09:40 - 09:50

SERENDI-PV - Monitoring and data analytics for fault diagnosis and O&M in large PV plants

Riccardo Alonso, Energy Conversion & Management and O&M of PV Systems, TECNALIA

09:50 - 10:15

Panel Discussion: Data driven mitigation measures and technologies from monitoring

Moderator
David Moser
Research Group Leader, EURAC Research

10:15 - 10:45 **Coffee Break**

10:15 - 10:45
Coffee Break

10:45 - 11:45 **Rooms Eiffel & Sears**

Technology Workshop: Leveraging Digital Twin Technology: A Streamlined Approach to PV Plant Lifecycle Data Exchange

This workshop will explore existing challenges arising from vast diversity, lack of standardisation, and non-transferability of PV asset digital twins. PV plants currently need to be re-modelled several times throughout the lifecycle in different software which reduces efficiency, increases errors, and limits information-sharing.

To address these issues, there is a **need for a standardised digital twin** designed to support all engineering processes during the lifecycle of the solar asset. PVcase, in collaboration with the TRUST PV consortium, has developed a concept for a digital twin that can act as a standard information model that connects asset data and processes, from initial design to decommissioning, in a virtual space.

Building on the Trust-PV project deliverables, the workshop aims to **gather developers, asset owners, and EPC and O&M engineers to discuss challenges related to solar project commissioning, asset onboarding onto operations and maintenance platforms, and fault detection and resolution**, among other topics. Participants will then be invited to explore how interoperable digital twins of PV assets could help save costs, optimise engineering, and improve fault detection throughout the PV system lifecycle.

Moderated by Miguel Herrero and Imre Horvath

10:45 - 11:45
Technology Workshop: Leveraging Digital Twin Technology: A Streamlined Approach to PV Plant Lifecycle Data Exchange

Auditorium

Let's Talk – Finding Solutions for the Challenges of our Solar Quality World

10:45 - 11:45
Let's Talk – Finding Solutions for the Challenges of our Solar Quality World

Moderator
Tina Barroso
Head of Office Berlin, Conexio-PSE GmbH

Benjamin Clarke
Business Analyst, International Cooperation, SolarPower Europe

11:45 - 12:15 **Rooms Eiffel & Sears**

Innovation in Quality Management, O&M and Reliability of PV Systems: European and National Research and Innovation Platform Contributions

The European Technology and Innovation Platform for Photovoltaics (ETIP PV) brings together researcher and industry stakeholders that share a long term European vision for PV. It develops joint European strategies and plans in the fields of research & innovation and education as well as market development. It also serves as the recognised point of reference for key decision and policy makers and provides high quality analyses and background documents on photovoltaic technology, economics, applications, system integration and other aspects that are important for the development of a competitive industry sector and growing markets. The ETIP PV Working Group on Reliability and Circularity, particularly dives into the operation and maintenance of PV components and systems and aims to identify required action to safely satisfy demanding quality expectations of sustainable investments. The session will provide an overview of European innovation priorities concerning O&M of PV components and systems, presenting three keynote speeches:

11:45 - 12:15
Innovation in Quality Management, O&M and Reliability of PV Systems: European and National Research and Innovation Platform Contributions
Thomas Garabetian, R&I Manager, SolarPower Europe
David Moser, Research Group Leader, EURAC Research

Álvaro Miranda, Technical Director, UNEF/FOTOPLAT

Moderator
Hanna Dittmar
Junior Project Officer, SolarPower Europe

12:15 - 13:30 **Lunch Break**

12:15 - 13:30
Lunch Break

13:30 - 14:30 **Auditorium**

TRUST-PV Session II

13:30 - 14:30
TRUST-PV Session II
Dr. Guillermo Oviedo Hernández, R&D specialist, BayWa r.e. Operation Services S.r.l.

13:30 - 13:40
All-around aerial PV field inspections: towards the automation of advanced image-based fault analysis
Jennifer Porter, Innovation Project Manager, Above Surveying

13:40 - 14:00
Innovative wireless architectures for PV monitoring
Marco Berliocchi, Chief Executive Officer, Raptech srl

14:00 - 14:10
SERENDI-PV - Procedures to reduce PV performance uncertainties through in-field testing
Rodrigo Moretón Villagrà, CEO, Qualifying Photovoltaics, SL (QPV)

14:10 - 14:30
Panel Discussion: Data driven mitigation measures and technologies in advanced PV field inspection

Moderator
Dr. Guillermo Oviedo Hernández
R&D specialist, BayWa r.e. Operation Services S.r.l.

14:30 - 14:55 **Auditorium**

Closing Remarks

14:30 - 14:55
Closing Remarks
Benjamin Clarke, Business Analyst, International Cooperation, SolarPower Europe
