

CONFERENCE PROGRAM

MAY 10-11 2022

www.TheSmarterE.de





| WE WOULD LIKE TO THANK THE SPONSORS

THE SMARTER E EUROPE DIAMOND SPONSOR | GOLD SPONSOR SPECIAL AREA CLIMATE NEUTRAL COMPANIES |
POWER2DRIVE CHARGING PARK SPONSOR

SIEMENS

THE SMARTER E EUROPE LANYARD SPONSOR |
CONFERENCE LANYARD SPONSOR



EES EUROPE CONFERENCE PLATIN SPONSOR |
THE SMARTER E EUROPE CONFERENCE WIFI SPONSOR



EES EUROPE CONFERENCE SPONSOR |
CONFERENCE DOCUMENT BOX



THE SMARTER E EUROPE VISITOR
AND CONFERENCE BADGES



EES EUROPE CONFERENCE GOLD SPONSOR |
PEN & NOTEPAD SPONSOR



THE SMARTER E EUROPE
CONFERENCE LUNCH SPONSOR





| CONFERENCE PROCEEDINGS

All presentations of The smarter E Europe conferences for which we have obtained the respective permission from the speakers will be made available online.

You will receive a link via email during or shortly after the conference that grants access to the presentations included in your ticket.

| CONFERENCE QUICK FACTS

Dates	May 10–11, 2022
Hours	9:00am–6:00pm
Venue	ICM – Internationales Congress Center München, 81823 Munich, Germany
Program	→ www.thesmartere.de/conference-program
Contact	Ms Roswitha Laupheimer laupheimer@conexio-pse.de Tel.: +49 (0) 7231 58598-183
Registration	→ www.thesmartere.de/tickets

| PARTNERS



| ORGANIZER & CONFERENCE MANAGEMENT



THE SMARTER E EUROPE CONFERENCE – OVERVIEW 2022

INTERSOLAR EUROPE CONFERENCE

ROOM 14 A

ROOM 14 C

ROOM 12

CONFERENCE PROGRAM – TUESDAY, MAY 10, 2022

9:30am– 11:00am	TSEE Conference Opening – ROOM 14 B		
Coffee Break			
11:30am– 1:00pm	Global Growth Prospects & A Solar Deal for Europe: The Role of Solar Power in Decarbonization Strategies & Trends	Utility-Scale Solar 1: The Power of New Technologies to Optimize Design, Reduce Cost and Improve Yield	Building-Integrated Photovoltaics (BIPV): Beautiful, Multifunctional, and Compelling - The Long-Awaited Rise of Solar as Building Material Is in Sight
Lunch Break			
2:30pm– 4:00pm	European PV Markets 1: Everything Investors Need to Know About Europe's Largest Solar Markets	Utility-Scale Solar 2: Total Control – How Big Data Improves O&M and Asset Management	Agri-PV 1 : How to Benefit most from Solar & Farming
Coffee Break			
4:30pm– 6:00pm	European PV Markets 2: A Close Look into Europe's Emerging Solar Stars	Utility-Scale Solar 3: Keeping a Close Eye on Regulatory Topics – from Environmental, Social, Sustainability Requirements to Permitting	Agri-PV 2: Understanding the Versatility of Combining Solar Power with the Agribusiness
6:00pm– 7:00pm	The smarter E AWARD Ceremony ICM Room 1		
7:00pm– 9:00pm	Conference BBQ		

CONFERENCE PROGRAM – WEDNESDAY, MAY 11, 2022

9:00am– 10:30am	European Solar Manufacturing 1: Learning from the Success of Europe's Balance of Systems (BOS) Manufacturers	Floating Solar 1: Catching the Latest Solar Wave – Why Floating Solar is an Important Piece in the Energy Transition	Off-Grid – Best Practices on Rural Electrification
Coffee Break			
11:00am– 12:30pm	European Solar Manufacturing 2: Establishing a Silicon Supply Chain in Europe	Floating Solar 2: Solid Foundations – What's Needed for Developing and Building Successful Floating Solar Projects	Off-Grid Innovation – Digital, Control & Monitoring Solutions, Batteries
Lunch Break			
2:00pm– 3:30pm	High Level Industry Forum: The European Solar Strategy – Discussing Europe's PV Sector Plans from a Business and Geo-Political Perspective	Floating Solar 3: Staying Afloat? Lessons Learned from the First FPV Projects for Small to GW-Size Systems On- and Off-Shore	On-Grid Goes Off-Grid

EES EUROPE CONFERENCE

POWER2DRIVE EUROPE
CONFERENCEEM-POWER EUROPE
CONFERENCE

ROOM 13 B

ROOM 13 A

ROOM 11

CONFERENCE PROGRAM – TUESDAY, MAY 10, 2022

Conference Opening – ROOM 14 B

The Next Big Thing? C&I Electricity
Storage SystemsConnected Charging Infrastructure
Technologies & InteroperabilityResidential Solar & Storage Aggregation
for Grid Services

→ Joint Session with Intersolar & ees

Quo Vadis: Electrical Energy Storage for
Residential PV Systems

→ Joint Session with Intersolar

Leading by Example: Best Practices for
Charging InfrastructureUtility-Scale Solar & Storage and
Grid Integration

→ Joint Session with Intersolar & ees

Overcoming the Investment Conundrum:
Innovative Storage Financing SolutionsParadigm Shift: Promoting
Mobility-as-a-Service

Electric Vehicle Integration into Powergrids

→ Joint Session with P2D

The smarter E AWARD Ceremony
ICM Room 1

Conference BBQ

CONFERENCE PROGRAM – WEDNESDAY, MAY 11, 2022

Europe's Main Market Driver, Reloaded?
Utility-Scale Standalone StorageIntegrating E-Mobility: Smart Charging and
Vehicle-to-X Models

→ Joint Session with EM-Power

Active Consumers for System Efficiency

A Troublesome Marriage in Europe?
Utility-Scale Renewables-Plus-Storage

→ Joint Session with Intersolar

Further Ahead: Extended Mobility Services
as a Business Model

Digital Evolution of the Grid

Potential Gamechangers: Innovation in
Battery TechnologiesJoining the Dots: Sector Coupling and
Vehicle-Integrated Generation

Flexibility Markets & Balancing

INTERSOLAR EUROPE CONFERENCE

COMMITTEE CHAIRMAN 2022



Michael Schmela
Executive Advisor, SolarPower
Europe / Managing Director,
MISCHCO, Belgium

COMMITTEE MEMBERS 2022



Guido Agostinelli
Senior Industry Specialist,
International Finance
Corporation, U.S.



Jörg Althaus
Head of Solar,
TÜV Rheinland,
Germany



Adele Ara
Head of Global Business
Operations, Lightsource bp,
England



Prof. Christophe Baliff
Director, CSEM,
Switzerland



Walburga Hemetsberger
Chief Executive Officer,
SolarPower Europe,
Belgium



Benedikt Ortmann
Managing Director,
BayWa RE Systems,
Germany



David Wedepohl
Managing Director International
Affairs, BSW-Solar Bundesverband
Solarwirtschaft e.V., Germany

EES EUROPE CONFERENCE

COMMITTEE CHAIRMAN 2022



Florian Mayr
Partner, Apricum-
The Cleantech Advisory,
Germany

COMMITTEE MEMBERS 2022



Dr. Holger Hesse
Designated Professor on Smart
Energy Systems, University of
Applied Sciences, Kempten;
Deputy Head of Chair for
EES, TUM, Germany



Dr. Matthias Vetter
Head of Department
Electrical Energy Storage
ELS, Fraunhofer ISE,
Germany

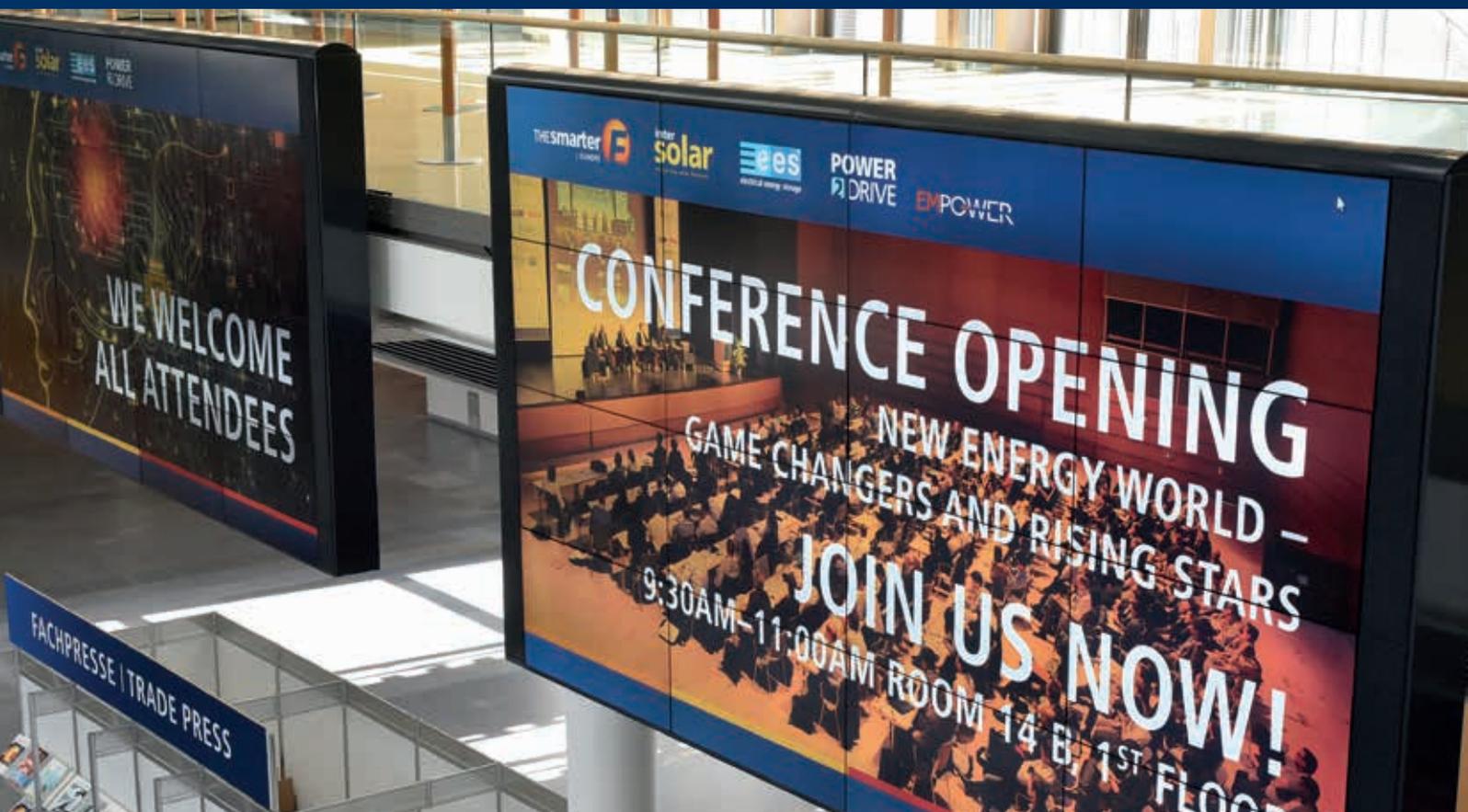
COMMITTEE CO-CHAIRMAN 2022



Dr. Alexander Hirnet
Technical Director,
sonnen GmbH, Germany



Dr. George Hilton
Senior Analyst,
Energy Storage,
IHS Markit, UK



RENEWED AMBITION: MANAGING GROWTH

The European Commission has proposed to increase the share of renewables to 40% by 2030 in order to achieve legally binding targets for reducing net emissions in the EU by 55% by 2030 compared to 1990 levels and eliminating them by 2050. The new German government has also significantly increased the targets for the energy transition and presented an emergency package of energy measures to the public in April 2022, stating that the expansion of renewable energy is in the overriding public interest and has become a matter of national security. By 2030, 80 percent of Germany's electricity supply is to come from renewables, and by 2035 almost all of it.

These lofty goals will require a collective effort from all sectors of the economy and present significant challenges, especially for key actors in the energy industry. As the global economy wrestles to restore supply chains disturbed by the pandemic and with skills shortages still impairing many sectors, how can we supercharge the energy transition? The rising costs of energy and raw materials further complicate matters, while regulatory and political hurdles still stand in the way of a rapid expansion of renewable energy generation, storage systems and associated infrastructure.

By outlining the prevalent issues and challenges, this opening session will underscore the need for an integrated, holistic approach. Expert speakers from various fields will demonstrate the need for all sectors, from energy generation and storage to electromobility and systems manufacturing, to play their part in managing the growth and achieving the vital energy transition

OPENING SPEAKER



Markus Elsässer
Chief Executive Officer,
Solar Promotion GmbH,
Germany



Aurelie Alemany
Chief Executive
Officer, Senec GmbH,
Germany



Ditlev Engel
Chief Executive
Officer, Energy Systems
at DNV, Norway



Simon Löffler
Chief Commercial
Officer, Volkswagen
Group Charging GmbH,
Germany



Matthias Taft
Chief Executive
Officer, BayWa r.e. AG,
Germany

WELCOME TO THE
CONFERENCES



TUESDAY, MAY 10, 2022



TUESDAY, MAY 10, 2022

Time 11:30am–01:00pm
Room 14 A

While solar continues its upwards trend around the world, the EU wants Europe to be the first Continent to be carbon neutral by 2050. On this path, the European Commission has proposed to increase the renewables share to 40% by 2030. Although there are very different views on the role of solar in Europe’s energy transition, history tells us that it will be very likely much bigger than most experts think.

This session will discuss:

- Global Market Outlook 2022-2026 (Report launch)
- Solar’s role in Europe’s energy transition
- Strategies to deploy massive solar volumes in Europe

GLOBAL GROWTH PROSPECTS & A SOLAR DEAL FOR EUROPE: THE ROLE OF SOLAR POWER IN DECARBONIZATION STRATEGIES & TRENDS

- 11:30am** Welcome and Introduction
Michael Schmela, Executive Advisor, SolarPower Europe, Belgium
- 11:35am** Global Market Outlook with focus on Latin America
■ Walburga Hemetsberger, Chief Executive Officer, SolarPower Europe, Belgium
■ Dr. Rodrigo Lopes Sauaia, Chief Executive Officer, ABSOLAR - Associação Brasileira de Energia Solar Fotovoltaica, Brazil
- 11:50am** Solar’s Role in a 100% Renewable Europe
Jenny Chase, Manager Solar Insight, Bloomberg, Switzerland
- 12:05pm** Corporate Strategies to Deploy Massive Solar Volumes by 2030
Speaker to be announced, Lightsource bp, UK
- 12:20pm** Why Rooftops are Key for Europe’s Solar Targets
Prof. Dr. Christof Wittwer, Head of Department -Smart Grids- IES, Fraunhofer ISE, Germany
- 12:35pm** Panel: Solar’s Role in Decarbonization and Energy Independence of the European Union



Michael Schmela Walburga Hemetsberger Dr. Rodrigo Lopes Sauaia Jenny Chase Prof. Dr. Christof Wittwer

Time 02:30–04:00pm
Room 14 A

The European solar market grew considerably in 2021 despite Covid-19 and material supply shortages. This strong growth trend is expected to continue in 2022 and beyond, which is quantified by market data from SolarPower Europe’s newly released Global Market Outlook 2022-2026, a project in cooperation with Intersolar Europe. The backbone of solar demand in Europe has been a handful of countries, which were responsible for more than half of the continent’s installations last year.

This session will discuss:

- The big picture of solar demand in Europe today
- Updated European 5-year solar installation forecast
- Detailed pictures for Europe’s major solar markets

EUROPEAN PV MARKETS 1: EVERYTHING INVESTORS NEED TO KNOW ABOUT EUROPE’S LARGEST SOLAR MARKETS

- 02:30pm** Welcome and Introduction
David Wedepohl, Managing Director International Affairs, German Solar Association (BSW-Solar), Germany
- 02:35pm** European Solar Market Outlook - How Europe Could Reach the Solar TW-level by 2030
Raffaele Rossi, Head of Market Intelligence, SolarPower Europe, Belgium
- 02:50pm** Germany’s Path to 200 GW Solar by 2030
David Wedepohl, Managing Director International Affairs, German Solar Association (BSW-Solar), Germany
- 03:05pm** Poland - Plans to Transition from Net Metering/FITs to Subsidy Free Solar?
Speaker to be announced, Jagellonian Institute, Poland
- 03:20pm** Spain - Strategies to Address Gigantic Demand for Solar in Spain
José Donoso, General Director, Unión Española Fotovoltaica (UNEF), Spain
- 03:35pm** France - Preparing for the New 100 GW Target
Xavier Daval, CEO-President, kiloWattsol SAS, France
- 03:50pm** Q&A Round



David Wedepohl Raffaele Rossi José Donoso Xavier Daval

TUESDAY, MAY 10, 2022

**EUROPEAN PV MARKETS 2:
A CLOSE LOOK INTO EUROPE'S EMERGING SOLAR STARS**

**Time 04:30–06:05pm
Room 14 A**

- 04:30pm** Welcome and Introduction
Artem Semenyshyn, CEO, Solar Energy Association of Ukraine, Ukraine
- 04:35pm** Solar Drivers in Emerging European Solar Markets
Saif Islam, Research Consultant, EuPD Research, Germany
- 04:50pm** Towards GW Level Solar Demand in Italy
Paolo Viscontini, Electrical Engineer, Italia Solare, Italy
- 05:05pm** Solar 2.0 - How the UK PV Market is Gaining Steam Again
Chris Hewett, Chief Executive, Solar Energy, UK
- 05:20pm** Solar in the Nordics - The Overlooked Growth Opportunity?
Vegard Vollset, VP- Head of EMEA Renewable, Rystad Energy, Norway
- 05:35pm** Portugal - Lessons Learned from Record Low Solar Auctions
Susan Serôdio, Head of Policy, Apren, Portugal
- 05:50pm** Solar Investment Opportunities in the Balkan region
Nikola Gazdov, Board Member, Bulgarian Association for Production, Bulgaria

Besides its established major solar demand centers, Europe is showing solar growth across the board. Most of the continent's countries installed more solar power in 2021 than the year before. The diversification of the European solar landscape continues, while the market drivers considerably differ, resulting sometimes in unexpected emerging solar stars.

This session will discuss:

- Mapping of the most promising emerging solar markets in Europe
- Drivers and challenges for market growth
- Long-term outlook



Artem Semenyshyn Saif Islam Paolo Viscontini Chris Hewett Vegard Vollset Susan Serôdio Nikola Gazdov



TUESDAY, MAY 10, 2022

Time 11:30am–01:00pm
Room 14 C

Following the implementation of bifacial PV, the sudden appearance of very high-power solar modules has challenged balance-of-system producers to adapt their products quickly and EPCs to cope with higher currents and larger module form factors. This comes at a time when product prices hike while the pressure for further cost reduction remains for utility-scale solar competing in auctions and the subsidy-free corporate power sourcing market.

This session will discuss:

- A roundup of technology innovations - including modules, inverters, mounting/trackers, system design
- Impact of technology changes on yield and cost
- Business model implications by technology innovations in utility-scale solar

UTILITY-SCALE SOLAR 1. THE POWER OF NEW TECHNOLOGIES TO OPTIMIZE DESIGN, REDUCE COST AND IMPROVE YIELD

- 11:30am** Welcome and Introduction
Fabian Wany, Director EPC Sales, Greentech, Germany
- 11:35am** Global PV Project Development – Lessons Learned and How to Deal with Current Challenges
Anika Giller, Director of Business, ENGIE Deutschland, Germany
- 11:50am** How the Latest Module and BOS Product Developments have Changed Design & Cost for Large-scale Solar Power Plants
George Toulapas, Senior Director of Technology and Quality, Clean Energy Associates, Greece
- 12:05pm** Utility-scale Solar Development in Uncharted Waters: Rolling Terrain
Marco García, Co-founder and Chief Commercial Officer, Nextracker, U.S.
- 12:20pm** PV System Design Optimization – Beyond LCOE
Johannes Linder, Head of System Design & Innovation, BELECTRIC Holding GmbH, Germany
- 12:35pm** Trust PV - Performance and Reliability of Solar Power Plants
Dr. David Moser, Coordinator of Research Group Photovoltaic Energy Systems, EUREC, Italy
- 12:50pm** Q&A Round



Fabian Wany



Anika Giller



George Toulapas



Marco García



Johannes Linder



Dr. David Moser

Time 02:30–04:00pm
Room 14 C

Big data and artificial intelligence are big buzzwords also in solar power plant O&M and Asset Management, promising superior and predictive analytics of system losses and reliability enabling improved system design and maintenance, saving on labor and cost. But what's real, what's fiction?

This session will discuss:

- State of the art and best practice in O&M and Asset Management
- Actual cost of O&M and Asset Management
- Potential and limits of digitalization in O&M and Asset Management

UTILITY-SCALE SOLAR 2: TOTAL CONTROL – HOW BIG DATA IMPROVES O&M AND ASSET MANAGEMENT & POTENTIAL OF RE-POWERING

- 02:30pm** Welcome and Introduction
Adele Ara, Head of Global Business Operations, Lightsource bp, UK
- 02:35pm** O&M and Asset Management Best Practice Overview
Adele Ara, Head of Global Business Operations, Lightsource bp, UK
- 02:50pm** Project Development with O&M in Mind
Jörn Carstensen, Managing Director, Greentech, Germany
- 03:05pm** Improving PV Plant Operation through Advanced Data Analysis
Daniel Barandalla, Solar Advisory Lead EMEALA (UL LLC), Spain
- 03:20pm** Taking Control of Risk in Solar Investments
Boris Farnung, Global Head of Division Power Plants and Systems, VDE Renewables, Germany
- 03:35pm** Day-ahead Solar PV Forecasting using AI
Yoojin Lee, Systems Engineer / Data Analyst Engineering, Enerparc AG, Germany
- 03:55pm** Q&A Round



Adele Ara



Jörn Carstensen



Daniel Barandalla



Boris Farnung



Yoojin Lee

**UTILITY-SCALE SOLAR 3:
KEEPING A CLOSE EYE ON REGULATORY TOPICS – FROM ENVIRONMENTAL
SOCIAL SUSTAINABILITY REQUIEREMENTS TO PERMITTING**

Time 04:30–06:00pm
Room 14 C

- 04:30pm** Welcome and Introduction
Dr. Benedikt Ortman, Head of Business Entity Solar Projects / Managing Director, BayWa r.e. / BayWa r.e. Solar Projects GmbH, Germany
- 04:35pm** Overview on Key Regulatory Challenges for Rapid Utility Scale Solar Developments in Europe
Pablo Collado, Northern & Central Europe CEO for Renewables, Iberdrola, Spain
- 04:50pm** Obstacles and Progress for Solar Supply Chain Transparency in Europe
Frédéric Dross, Vice President, Strategic Development, STS, France
- 05:05pm** A Company-wide ESG Strategy for Developing any Solar Power Plants
Emilien Simonot, Head of Renewables Innovation Center, Galp, Spain
- 05:20pm** Community Engagement is Meaningless without Community Commitment - How Talayuela Solar became a Benchmark in Sustainability and PV Co-living
José Miguel Ferrer, Country Manager and VP Wind&Solar, Statkraft, Spain
- 05:35pm** Panel Discussion + Q&A

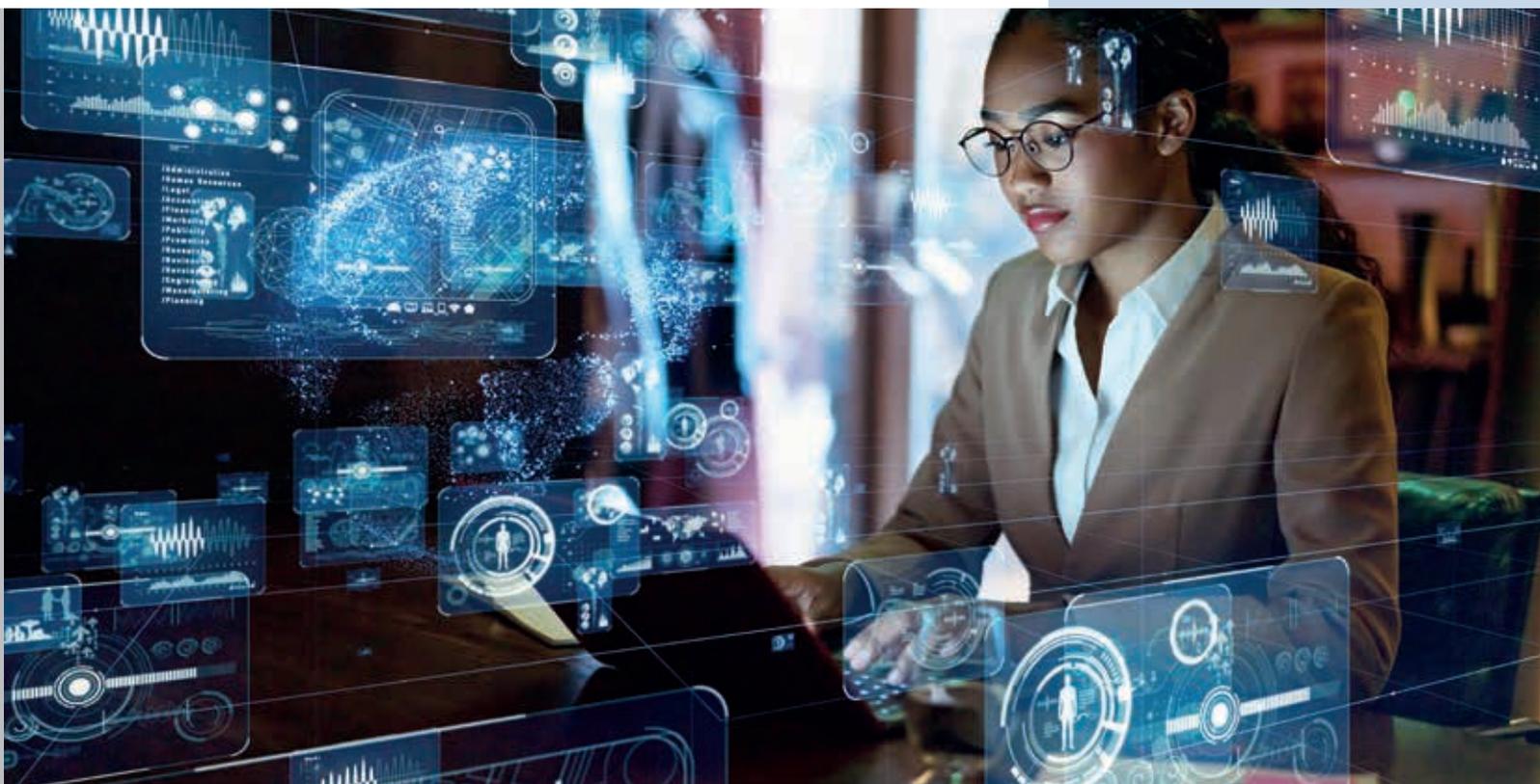
If the EU wants to stay on a Paris compliant decarbonization path, its member states have to install around 1 TW of PV by 2030, with a large share of this volume being ground-mounted power plants. And this is only the first phase - the EU will have to deploy many solar terawatts by 2050. This will only be possible with proper regulatory frameworks; but already today permitting is the main barrier for utility-scale solar. On top, there are requirements for ESG (Environmental Social Governance) sustainability and transparent supply chains that will only become stricter as Europe's PV power generation portfolio grows.

This session will discuss:

- Main regulatory issues slowing the growth of utility-scale power plants
- Transparency supply chains
- Sustainability requirements for ground-mounted solar today and tomorrow



Dr. Benedikt Ortman Pablo Collado Frédéric Dross Emilien Simonot José Miguel Ferrer



TUESDAY, MAY 10, 2022

Time 11:30am–01:00pm
Room 12

Hailed as the perfect solution for solar in the building environment for many years, only a very limited number of building-integrated systems have been installed for various reasons. With the first cities, states and countries having passed laws for mandatory solar inclusion for new houses and leading global module manufacturers launching first BIPV products, it looks like the time has come for this to change.

This session will discuss:

- New technical BIPV solutions
- Drivers and barriers for integrating solar into building skins
- Perspectives and value propositions for the construction sector
- Examples for attractive BIPV projects

BUILDING-INTEGRATED PHOTOVOLTAICS (BIPV): BEAUTIFUL, MULTIFUNCTIONAL AND COMPELLING – THE LONG AWAITED RISE OF SOLAR AS BUILDING MATERIAL IS IN SIGHT

- 11:30am** Welcome and Introduction
Prof. Christophe Ballif, Vice-President, CSEM & Director Sustainable Energy Center, Switzerland
- 11:35am** What's New in BIPV – The Latest Technology Updates for Integrating PV in Built Environment
Prof. Christophe Ballif, Vice-President, CSEM & Director Sustainable Energy Center, Switzerland
- 11:50am** Easibility Study of Building Integrated Photovoltaic (BIPV) as a Building Envelope Material in Europe
Hassan Gholami, Consultant – Solar, Smart Grid and Storage, Multiconsult AS & Adjunct Associate Professor, City and Regional Planning Group, University of Stavanger, Sweden
- 12:05pm** Boundary Conditions for Integrating Solar in Buildings
Christoph Erban, Head of Research and Development, Sunovation, Germany
- 12:20pm** Service Development and Experience in Qualification of BIPV Products
Theodoros Makris, Project Manager, TÜV Rheinland, Germany
- 12:35pm** Panel: Has the Big Time for BIPV Finally Arrived?



Prof. Christophe Ballif Hassan Gholami Christoph Erban Theodoros Makris

Time 02:30–04:00pm
Room 12

A massive expansion of solar in Europe will also need to make use of the large areas of moor and agricultural land. The magic word is agrivoltaics (or Agri-PV), which enables co-location of energy generation with agricultural activities optimizing space and creating multiple revenue streams. The German Ministries of Economy, Environment and Agriculture, for example, recently published a strategy paper identifying a large number of additional PV to be installed in the country through agrivoltaics alone.

This session will discuss:

- Concepts, realistic potential of Agri-PV
- Latest market developments
- Product overview and innovations
- System economics

AGRI-PV 1: HOW TO BENEFIT MOST FROM SOLAR & FARMING

- 02:30pm** Welcome and Introduction
Eva Vandest, Group Head of Public Affairs, Amarenco, Ireland
- 02:35pm** How to Tap the 'Real' Agri-PV Potential in Europe
Speaker to be announced, Fraunhofer ISE, Germany
- 02:50pm** Technological Needs & Product Developments for Agri-PV Power Plants
Stefan Schindele, Product Manager Agrar-PV, BayWa, Germany
- 03:05pm** Cost Competitiveness of Agri-PV
Prof. Dr. Ulrich Bodmer, Professor for Business Administration in the study programme „Management erneuerbarer Energien“, University Weihenstephan, Germany
- 03:20pm** Agrienergy Around the World: Learnings from 15 Years of Activity in Solar & Agriculture
Alexandre Courcambeck, Business Development Director, Akuo Energy, Belgium
- 03:35pm** Panel: Agri-PV – The Big Promise and Reality



Eva Vandest Stefan Schindele Prof. Dr. Ulrich Bodmer Alexandre Courcambeck

TUESDAY, MAY 10, 2022

AGRI-PV 2: UNDERSTANDING THE VERSATILITY OF COMBINING SOLAR POWER WITH THE AGRIBUSINESS

Time 04:30–06:00pm
Room 12

- 04:30pm** Welcome and Introduction
- 04:35pm** First Results from Demo Programme on Multipurpose Land-use of Solar and Agriculture
Miriam di Blasi, Head of Environment and Impacts Mitigation - Innovation, Enel, Italy
- 04:50pm** Best Practices of Agri-PV implemented in Austria
Alfred Weinberger, Chief Executive Officer, Amarenco, Austria
- 05:05pm** Sunboise AgriPV Project in The Netherlands - First Test Results of 5 Different AgriPV Systems
Wilma Eerenstein, Owner, Renergize Consultancy, Netherlands
- 05:20pm** Potential and Benefits of Agri-PV in the Middle East
Dr. Nabih Cherradi, Chief Technology Officer, Desert Technologies, UAE
- 05:35pm** Green Power Tariffs for Vertical/urban Farming using Renewables
Speaker to be announced, Octopus Energy, UK
- 05:50pm** Q&A Round

The combined use of solar and agriculture not only saves on space, it offers the promise of improving the efficiency of food production as well. The PV panels protect and provide shade for crops, fruits or animals, resulting in more efficient water consumption and higher production output. This may also become true for urban areas, where the concept of vertical farming strives to secure food supplies close to consumption in the cities.

This session will discuss:

- Range of Agri-PV applications
- How solar goes together with urban farming
- Benefits and challenges for farmers & developers
- Case studies with lessons learned



Miriam di Blasi



Alfred Weinberger



Wilma Eerenstein



Dr. Nabih Cherradi



TUESDAY, MAY 10, 2022

Time 11:30am–01:00pm

Room **13 B**

Utility-scale and residential energy storage systems have made waves with impressive market growth - yet C&I storage continues to lag behind. The reasons are on the economic side: Revenue from use cases are still too low compared with the necessary investments, to realize an acceptable RoI. Decreasing storage prices in combination with multi-use cases open up new opportunities for this segment. In this session, speakers will discuss the latest developments in C&I systems, showcase a series of novel business models, and examine key drivers of storage technologies and markets.

THE NEXT BIG THING? C&I ELECTRICITY STORAGE SYSTEMS

- 11:30am** Energy Storage – An Indispensable Ingredient of Europe’s Energy Future
Florian Mayr, Partner, Apricum - The Cleantech Advisory, Germany
- 11:40am** Welcome and Introduction
Dr. Holger Hesse, Designated Professor on Smart Energy Systems, University of Applied Sciences, Kempten Deputy Head of Chair for Electrical Energy Storage Technology, EES, TUM - Technical University Munich, Germany
- 11:45am** An International Comparison of C&I Business Cases – How to Uncover the Value of Storage!
Lars Stephan, Policy and Market Development Manager, Fluence, Germany
- 11:55am** Success Factors in C&I Storage
Franz-Josef Feilmeier, CEO, FENECON GmbH, Germany
- 12:05pm** Flexibility- and Large Scale Storage Solutions – Use Cases and Experiences
Matthias Jakob, Leiter Vertrieb B2B und Lösungsentwicklung, Bayernwerk, Germany
- 12:15pm** Increasing the Profitability of EES by Managing the Aging Impact
Dr. Stephan Rohr, Founder & Co-CEO, TWAICE, Germany
- 12:25pm** A Technical Feasibility and Field Trial Analysis of C&I Storage systems
Johannes Wüllner, Head of Group Applied Storage Systems, Fraunhofer Institute for Solar Energy Systems ISE, Germany
- 12:35pm** Panel Discussion + Q&A



Florian Mayr



Dr. Holger Hesse



Lars Stephan



Franz-Josef Feilmeier



Matthias Jakob



Dr. Stephan Rohr



Johannes Wüllner

Time 02:30–04:00pm

Room **13 B**

Home storage has emerged over the past decade as an important element of future energy systems. This session will examine the major drivers and key trends in the increasingly mature home storage market. By examining specific regions and countries, the presentations will explore the current state of development and deployment along with future prospects for residential generation and storage set-ups. Speakers will look at the market’s development to date and highlight a number of promising home energy storage innovations..

This session is jointly organized by Intersolar and ees Europe.

Joint Session with Intersolar QUO VADIS: ELECTRICAL ENERGY STORAGE FOR RESIDENTIAL PV SYSTEMS

- 02:30pm** Welcome and Introduction
Martin Rothert, Senior Expert Standards & Committee Work, SMA Solar Technology AG, Germany
- 02:35pm** How the Current Energy Crisis May Change Use Cases for Home Batteries
Matthias Dilthey, Senior Vice President Energy & Flexibility Trading, sonnen GmbH, Germany
- 02:50pm** A Year-Round Electricity Storage System for Buildings
Zeyad Abul-Ella, General Manager, Home Power Solutions, Germany
- 03:05pm** The Evolution of the Global Residential Energy Storage Market
Sam Wilkinson, Director – Clean Energy Technology, IHS Markit, UK
- 03:20pm** V2X and Storage Team up to Boost the Energy Transition
Mark Helfter, Innovation Director, Hager Electro SAS, France
- 03:35pm** Panel Discussion + Q&A



Martin Rothert



Matthias Dilthey



Zeyad Abul-Ella



Sam Wilkinson



Mark Helfter

TUESDAY, MAY 10, 2022

**OVERCOMING THE INVESTMENT CONUNDRUM:
INNOVATIVE STORAGE FINANCING SOLUTIONS**

Time 04:30–06:00pm
Room 13 B

04:30pm Welcome and Introduction
Frank Beckers, Partner, Apricum - The Cleantech Advisory,
United Arab Emirates

04:35pm Panel Discussion: Overcoming the Investment Conundrum:
Innovative Storage Financing Solutions

- Sidd Bahd, Senior Vice President Structured Finance, Jefferies, UK
- Magdalena Markiewicz, CFO, Eelpower, UK
- James Mills, Managing Director, ADAPTOGEN CAPITAL, UK
- Karim Nassif, Director Project Finance & Infrastructure, KBRA, Ireland



Frank Beckers



Sidd Bahd



Magdalena
Markiewicz



James Mills



Karim Nassif

Energy and electricity infrastructure projects often represent attractive investments, yet securing debt finance still proves difficult for certain asset classes. While the established IPP model attracts competitively priced long-term debt financing through contracted revenues, energy storage projects often include significant merchant risk. Investors and developers of storage projects therefore struggle to attract lender appetite. This session will shed light on new financing solutions and products, discuss how best to apportion the risks of energy storage investment, and explore how new models are turning conventional project financing on its head.



TUESDAY, MAY 10, 2022

Time 11:30am–01:00pm

Room **13 A**

The interoperability of connected charging infrastructure is an essential part of efforts to promote the market penetration and public acceptance of e-mobility solutions. With the product landscape growing at pace, smart charging and vehicle-grid integration are among the new use cases under development. However, solutions must be compatible with the existing connected charging and energy ecosystem as well as various backend systems. This session will underscore the importance of interoperability, highlight key energy and charging systems for integration, and present novel application scenarios.

CONNECTED CHARGING INFRASTRUCTURE TECHNOLOGIES & INTEROPERABILITY

- 11:30am** Welcome and Introduction
Zackes Brustik, Moderator-Coach-Creator, Germany
- 11:35am** Importance of Interoperability for Reliability and Performance of Connected Charging Infrastructure
Lukas Schriewer, Principal, Team Lead Charging Technology, P3 automotive GmbH, Germany
- 11:50am** From Patchwork to Seamless: Why Interoperability is Key to the Energy Transition
Nicolas Gehring, Account Executive Team Lead, gridX GmbH, Germany
- 12:05pm** Maximizing Use of Renewables and Grid Integration Through Smart Charging
Dr. Niklas Schirmer, Vice President Strategy, Elli – A Brand of the Volkswagen Group, Germany
- 12:20pm** Engineering Excellence for Global Public Charging Networks
Dr. Anke Freitag, Global Mobility Engineering Process and Insights Manager, Shell Mobility, Germany
- 12:35pm** Q&A



Zackes Brustik



Lukas Schriewer



Nicolas Gehring



Dr. Niklas Schirmer



Dr. Anke Freitag

Time 02:30–04:00pm

Room **13 A**

Government support is crucial to guide economy into the New Energy World. This also means to bring forward the rapid expansion of charging infrastructure. In Germany and across Europe, regulatory frameworks and public funding are increasingly adapting to accommodate these infrastructure requirements. The German E-Alpine Road is a prime example, of how charging stations can be set up with funding to promote sustainable tourism. Speakers in this session will share success stories of effective funding programs, will compare case studies from Europe and will highlight where regulatory hurdles still remain.

LEADING BY EXAMPLE: BEST PRACTICES FOR CHARGING INFRASTRUCTURE

- 02:30pm** Welcome and Introduction
Jenny Herden, Manager Funding and Finance, Nationale Leitstelle Ladeinfrastruktur c/o NOW GmbH, Germany
- 02:35pm** Federal Activities for Easy Charging in Germany
Conrad Hammer, Head of Team Networking and Head Team Funding (acting), Nationale Leitstelle Ladeinfrastruktur c/o NOW GmbH, Germany
- 02:55pm** Regulatory Environment for Developing Charging Infrastructure in Germany and Europe
Christian Mayer, Lawyer, Noerr Partnerschaftsgesellschaft mbB, Germany
- 03:15pm** The German „E-Alpenstraße“ – A Funding Programme Success Story
Simone Lang, Projectmanager Electromobility, Competence Center Electromobility Bavaria, Germany
- 03:35pm** Grid Relief Through Stationary Storage When Setting up Fast Charging Infrastructure – Practical Experience
■ Uwe Augustat, Vice President for Grid Connect & Systems (emobility), Siemens AG Smart Infrastructure, Germany
■ Marcus Bücken, Head of Sales eCar Charging Germany, Siemens AG Smart Infrastructure, Germany
- 03:55pm** Q&A



Jenny Herden



Conrad Hammer



Christian Mayer



Simone Lang



Uwe Augustat



Marcus Bücken

TUESDAY, MAY 10, 2022

PARADIGM SHIFT: PROMOTING MOBILITY AS A SERVICE

Time 04:30–06:00pm
Room 13 A

- 04:30pm** Welcome and Introduction
Dr. Mara Cole, Lead Connected Mobility, Bayern Innovativ, Germany
- 04:35pm** Electric Motor Scooter Sharing: The Potential of ESS for Sustainable Mobility and Urban Development – Learnings from an Empirical User Study
Dr. Jessica Le Bris, Head Strategy | Public Space & Mobility, GC Experience GmbH, Germany
- 04:50pm** Munichs Mobility as a Service Solution for Electric Vehicle Charging
Lisa Obrecht, Product Owner M-Ladelösung, Stadtwerke München GmbH, Germany
- 05:05pm** Charging Infrastructure for Electric and Multimodal Mobility
Björn Niggel, Head of Product Management, GP-Joule Connect, Germany
- 05:20pm** Leveraging Shared Mobility with Mobility Hubs – The Case of eHubs
Nicolai Harnisch, Project Manager Connected Mobility, Bayern Innovativ, Germany
- 05:35pm** Q&A

All too often, media depictions of future mobility focus on private vehicles – yet the manifold possibilities of MaaS go far beyond electric cars by integrating public transport, fleet sharing, bicycles and more in a single system. Yet, many questions remain unanswered, from how to structure efficient charging infrastructure to the conditions for sustainable, profitable MaaS models. In this session, speakers will discuss how digital solutions can support seamless intermodal mobility, underscore the importance of reliable charging infrastructure, and show how mobility hubs can exploit shared mobility solutions.



Dr. Mara Cole Dr. Jessica Le Bris Lisa Obrecht Björn Niggel Nicolai Harnisch

TUESDAY, MAY 10, 2022 | CONFERENCE BARBECUE

Time 7:00pm–10:00pm
ICM Munich, Garden

Would you like a leisurely evening program after a long day at the conference? How about a barbecue? Intersolar Europe, ees Europe, Power2Drive Europe and EM-Power Europe are organizing the 5th edition of the Conference Barbecue on Tuesday 10th of May 2022. This will be the official warm-up of The smarter E Europe, giving you a chance to meet and greet with over 350 industry stakeholders in a relaxed atmosphere. Kick-off the exhibition and celebrate the beginning of the summer with drinks, food and many more surprises!



TUESDAY, MAY 10, 2022

Time 11:30am–01:00pm
Room 11

The rapid growth of residential energy storage is outpacing expectations. Lower battery costs, regulatory support and advanced technologies have resulted in an increasing adoption of solar & storage. As more customers invest in behind the meter residential energy-storage systems, utilities will gain another potential lever for balancing energy demand and supply. This session will focus on how to better integrate distributed solar & storage and to better value its flexibility potential throughout all phases of grid planning. Practical use cases will be evaluated and provide insights into what is required from customers, aggregators, utilities, regulators, battery providers and other actors in order to make it work.

This session is jointly organized by Intersolar, eesEurope and EM-Power Europe.

Joint Session with Intersolar & ees RESIDENTIAL SOLAR & STORAGE AGGREGATION FOR GRID SERVICES

- 11:30am** Welcome and Introduction
Patrick Clerens, Secretary General, EASE - The European Association for Storage of Energy, Belgium
- 11:35am** The Potential of Customer-Sited Solar Plus Storage
Nelson Nsitem, Decentralized Energy Analyst, BloombergNEF, UK
- 11:50am** Innovation for Distributed Energy Storage Solutions
Luigi Lanuzza, Head of B2C & B2B Innovation Factory, Enel X, Italy
- 12:05pm** Battery Storage and PV Integration into the Virtual Power Plant
Improving Service for Both the Customers and the Grid
Julian Kretz, Project Manager Business Development, Next Kraftwerke GmbH, Germany
- 12:20pm** To Be Announced
- 12:35pm** Panel Discussion



Patrick Clerens Nelson Nsitem Luigi Lanuzza Julian Kretz

Time 02:30–04:00pm
Room 11

Utilities are investing heavily in utility-scale energy-storage solutions, putting big batteries next to power plants and transmission lines and in substations to reduce costs and improve reliability. Renewables, combined with storage are becoming a key part of the modern grid and are indispensable for the prevention of bi-directional flows. The use of battery storage has also been facilitated by advances in the digital technologies harnessed by companies to provide ancillary services which benefit utilities and grid operators. This session will focus on how solar & storage will add the most value to the grid, and how grid operators are successfully using energy storage to build grid flexibility.

This session is jointly organized by Intersolar, eesEurope and EM-Power Europe.

Joint Session with Intersolar & ees UTILITY-SCALE SOLAR & STORAGE AND GRID INTEGRATION

- 02:30pm** Welcome and Introduction
Carlos Alberto Pacheco, Chief Operations Officer & Director of Grid Integration, GreenPowerMonitor, Spain
- 02:35pm** RTE's Innovative Approach of Using Digitally Controlled Energy Storage
■ Michael Lippert, Director Innovation and Solutions for Energy, SAFT, France
■ Claire Lajoie-Mazenc, Senior Scientific Advisor, RTE, France
- 02:50pm** A Milestone Project in Thailand Combining PV & (Hydro) Storage
Klemens Wegehaupt, Solution Architect, Siemens AG, Germany
- 03:05pm** How Battery Storage Is Supporting the Energy Transition in Italy
Panagiotis Stamoulis, Market Director Southern EU, Fluence Energy, Germany
- 03:20pm** Advanced Solar & Storage Providing Multiple Services to Keep the Grid Stable
Jaideep Sandhu, Chief Technology Officer, Renewables Global Business Unit, ENGIE SA, France
- 03:35pm** The Solar and Storage Dilemma: What Does It Take to Make the Co-Location Business Case Successful?
Nadina Baghina, Battery Storage Strategy and Development, Eneco, Netherlands
- 03:50pm** Panel Discussion



Carlos Alberto Pacheco Michael Lippert Claire Lajoie-Mazenc Klemens Wegehaupt Panagiotis Stamoulis Jaideep Sandhu Nadina Baghina

TUESDAY, MAY 10, 2022

**Joint Session with P2D
ELECTRIC VEHICLE INTEGRATION INTO POWERGRIDS****Time 04:30–06:00pm
Room 11**

- 04:30pm** Welcome and Introduction
Carmen Gimeno, Secretary General, GEODE, Belgium
- 04:35pm** Power Sector Accelerating E-Mobility: Can Utilities Turn EVs into a Grid Asset?
Bruce Douglas, Director Business Development & Communications, Eurelectric, Belgium
- 04:50pm** Using EVs to Balance the Network
Len Wismeyer, Business Developer Digital & Flex, TenneT TSO B.V., Netherlands
- 05:05pm** The Impact of Home Charging of EVs on the Low Voltage Grid
■ Alf Inge Tunheim, Project Manager Research & Development, Elvia AS, Norway
■ Line Nyegaard, Project Manager Research & Development, Elvia AS, Norway
- 05:20pm** E-Mobility: DSO Challenges, Answers and the Relevance of Flexibility
Markus Wunsch, Head of E-Mobility Power System Integration Netze BW GmbH, Germany
- 05:35pm** Panel Discussion



Carmen Gimeno



Bruce Douglas



Len Wismeyer

Alf Inge
Tunheim

Line Nyegaard



Markus Wunsch

System operators and market facilitators can play a vital role in supporting optimal vehicle-grid integration and taking advantage of the flexibility services they provide. Although electric chargers are connected to the distribution grid, the tremendously expected increase of electric vehicles will affect the transmission grid as well. Grid modernization strategies need to take into account not only renewables integration but also electric vehicle penetration. This session will provide you with insights in how charging management can benefit the utilities, how the increasing adoption of electric vehicles is impacting the grid and what is needed to enable the successful deployment of electric vehicle technology.

This session is jointly organized by Power2Drive and EM-Power Europe.





WHO WILL BE THE AWARD WINNERS 2022?

The smarter E AWARD, Intersolar AWARD and ees AWARD honor the most innovative products and projects in the areas of solar, storage, energy management. Be part of the AWARD Ceremony at The smarter E Europe in Munich, celebrate the winners and take advantage of the unique networking opportunities with the most future-oriented companies of the industry.

AWARD CEREMONY
on Tuesday May 10, 2022, 6:00–7:00pm
ICM ROOM 1



WEDNESDAY, MAY 11, 2022



WEDNESDAY, MAY 11, 2022

Time 09:00–10:30am
Room 14 A

The modern era of on-grid solar started with the feed-in tariff in Germany in 2000, and a large share of the devices used for grid-connection of solar modules in Europe has been designed and made in Europe. Several of these balance of system (BOS) manufacturers - inverter and mounting/tracker systems companies are leaders in their field, and producers of inverters, the brain of a solar system, employ more people than any other EU solar manufacturing segment.

This session will discuss:

- Status of European manufacturing
- Technology update on European balance of systems
- Advantages and challenges of BOS Made in Europe
- Prospects of further cost reduction.

EUROPEAN SOLAR MANUFACTURING 1: LEARNING FROM THE SUCCESS OF EUROPE'S BALANCE OF SYSTEMS (BOS) MANUFACTURES

- 09:00am** Welcome and Introduction
Ulrike Jahn, Senior Project Manager, VDE Renewables GmbH, Germany
- 09:05am** Overview in European BOS Manufacturing
Cormac Gilligan, Director at S&P Global, IHS Markit, UK
- 09:20am** Technology Update on European Made BOS
Leonhard Peboeck, High-Tech Combined with Sustainable Product Design, Fronius, Austria
- 09:35am** Sustainable Production of a European Manufacturer
Matthias Haag, Head of R&D & Technologies, Siemens-KACO, Germany
- 09:50am** Why Local Manufacturing of Solar Mounting Systems Pays Off
Marc Daldrup, Director Business Development, Esdec, Netherlands
- 10:05am** Panel: Advantages and Challenges using BOS Made in Europe



Ulrike Jahn



Cormac Gilligan



Leonhard Peboeck



Matthias Haag



Marc Daldrup

Time 11:00am–12:30pm
Room 14 A

Encouraged by solid solar market demand in Europe, recently, the first new cell/module factories started production in Germany and some of the existing module facilities expanded. But there are many more entrepreneurs looking into investments in new solar manufacturing facilities along the solar silicon supply chain. Is this the beginning of a sustainable renaissance of solar manufacturing in Europe?

This session will discuss:

- Overview of local manufacturing of solar silicon supply chain in Europe
- European solar technology 'leadership' in a global comparison
- Cost competitiveness of local production
- Overview of regulatory and financial support schemes for establishing PV production factories.

EUROPEAN SOLAR MANUFACTURING 2: ESTABLISHING A SILICON SUPPLY CHAIN IN EUROPE

- 11:00am** Welcome and Introduction
Dr. Jutta Trube, Managing Director Photovoltaic Equipment, VDMA German Engineering Federation, Germany
- 11:05am** Mapping the Solar Silicon Supply Chain in Europe
Dr. Jutta Trube, Managing Director Photovoltaic Equipment, VDMA German Engineering Federation, Germany
- 11:20am** How to Manufacture Wafers, Cells and Modules Competitively in Europe
Dr. Peter Fath, Chief Executive Officer, RCT Solutions GmbH, Germany
- 11:35am** Attractive Solar Cell/Module Technologies from & for Europe
Dr. Radovan Kopecek, Co-founder & Director, ISC Konstanz, Germany
- 11:50am** Overview Regulatory and Financial Support Frameworks for Establishing PV Manufacturing in the EU
Naomi Chevillard, Head of Regulatory Affairs, SolarPower Europe, Belgium
- 12:05pm** From Silicon to Renewably Hydrogen - Establishing the Full Value Chain at Large Volumes to Reach Record Low LCOE
Hongbin Fang, Director of Product Marketing, Longi, U.S.
- 12:20pm** Q&A Round



Dr. Jutta Trube



Dr. Peter Fath



Dr. Radovan Kopecek



Naomi Chevillard



Hongbin Fang

WEDNESDAY, MAY 11, 2022

HIGH LEVEL INDUSTRY FORUM: THE EUROPEAN SOLAR STRATEGY – DISCUSSING EUROPE’S PV-SECTOR PLANS FROM A BUSINESS AND GEO-POLITICAL PERSPECTIVE

Time 02:00–03:30pm
Room 14 A

02:00pm

Welcome and Introduction

Walburga Hemetsberger, Chief Executive Officer, SolarPower Europe, Belgium

02:05pm

High Level Industry Forum

Among others:

- Michael Bloss, Member of the European Parliament, European Parliament, Belgium
- Dr. Tobias Brandis, President WACKER POLYSILICON, Wacker Chemie AG, Germany
- Dr. Gunter Erfurt, Chief Executive Officer, Meyer Burger, Germany
- Matthias Taft, Chief Executive Officer, BayWa r.e. AG, Germany



Walburga Hemetsberger



Michael Bloss



Dr. Tobias Brandis



Dr. Gunter Erfurt



Matthias Taft

The solar sector’s Europe Solar Initiative (ESI) has been advocating politics and finance to support establishing a meaningful solar silicon supply chain that enables the European Union to rely on secure domestic supply sources for everything needed to manufacture solar modules. The 5th High Level Industry Forum with executives of the European solar industry and politics will take place at a time the European Commission is preparing its first Solar Strategy to be published later this year.

The session is jointly organized by Intersolar Europe and the continent’s solar sector association SolarPower Europe.



WEDNESDAY, MAY 11, 2022

Time 09:00–10:30am
Room 14 C

The benefits of installing solar on water surfaces are manifold - and so is the interest around the world. Floating solar (FPV) projects are being developed in a quickly growing number of countries setting the groundwork for an energy transition that is often largely based on solar, while looking for technical solutions that help overcome land availability constraints in regions where land is a scarce resource.

This session will discuss:

- Status & potential of FPV
- Applications on different water bodies – from lakes to sea
- Cost competitiveness
- Major challenges

FLOATING SOLAR 1: CATCHING THE LATEST SOLAR WAVE – WHY FLOATING SOLAR IS AN IMPORTANT PIECE IN THE ENERGY TRANSITION

- 09:00am** Welcome and Introduction
Guido Agostinelli, Senior Industry Specialist, International Finance Corporation, U.S.
- 09:05am** Status & Potential of FPV
Josefin Berg, Senior Research Analyst, IHS, U.S.
- 09:25am** Overview on FPV System Applications on Different Water Bodies
Alison Wilshaw, Principal Consultant, RINA, U.K.
- 09:45am** Challenges and Outlook for Floating Solar
Dr. Thomas Reindl, Deputy CEO, Solar Energy Research Institute of Singapore (SERIS), National University of Singapore (NUS) Cluster Director, Solar Energy Systems, Singapore
- 10:05am** Economics, Cost Competitiveness and Convenience of Floating Solar Solutions
Roman Karbowy, Business Development Manager, Scatec, Norway
- 10:25am** Q&A Round



Guido Agostinelli Josefin Berg Alison Wilshaw Dr. Thomas Reindl Roman Karbowy

Time 11:00am–12:30pm
Room 14 C

Solar project development on water presents specific challenges. The constant contact with water requires not only additional but also different products, materials and system design that account for moving parts, water level changes, severe weather events, and can endure this novel environment for decades. All this has consequences for floating solar systems - regarding reliability and testing, O&M and asset management.

This session will discuss:

- Commercial system components and materials
- Different system designs
- Reliability & quality testing
- Recommended FPV Practices and Standards

FLOATING SOLAR 2: SOLID FOUNDATIONS – WHAT’S NEEDED FOR DEVELOPING AND BUILDING SUCCESSFUL FLOATING SOLAR PROJECTS

- 11:00am** Welcome and Introduction
Jörg Althaus, Segment Manager, TÜV Rheinland Solar GmbH, Germany
- 11:05am** Facts and Fairytales of Floating Solar Solutions
Arnoud van Druuten, Director, Floating Energy Solutions/ Sunprojects, Netherlands
- 11:20am** FPV Moving from Recommended Practices to FPV Standards
Michele Tagliapietra, Solar Consultant, DNV Italy srl, Italy
- 11:35am** Technology Evolution in FPV
Olivier Philippart, Product Division co-Director, Ciel & Terre International, France
- 11:50pm** Reliability of Moring Solutions in Severe Weather Conditions
Charles Gery, Project Manager Floating PV, Seaflex, Sweden
- 12:05pm** Panel Discussion: What’s Needed For Developing and Building Successful FPV Projects?



Jörg Althaus Arnoud van Druuten Michele Tagliapietra Olivier Philippart Charles Gery

WEDNESDAY, MAY 11, 2022

**FLOATING SOLAR 3: STAYING AFLOAT?
LESSONS LEARNED FROM THE FIRST FPV PROJECTS FOR SMALL
TO GW-SIZE SYSTEMS ON- AND OFF-SHORE**

Time 02:00–03:30pm
Room 14 C

- 02:00pm** Welcome and Introduction
Alison Wilshaw, Principal Consultant, RINA, U.K.
- 02:05pm** Failure Modes of Floating Solar Systems
Magnus Johanessen, Engineer, Environmental Loading & Response Energy Systems, DNV AS, Norway
- 02:25pm** How a Space Constraint Country like The Netherlands Looks at FPV
Dr. Wiep Folkerts, Programm & Market Manager, TNO, Netherlands
- 02:40pm** Gemany's Largest FPV – A Solar Case Study for Transition of Coal Mining Areas
Eik Leppin, Project Manager Wind & PV, LEAG AG and EP New Energy GmbH, Germany
- 02:55pm** Lessons Learned from Manufacturing and Supplying over 1 GW of Floating Solar Projects Worldwide
Jie Lyu, Regional Manager Overseas, Sungrow FPV, China
- 03:10pm** How to Develop a 2.2 GW Offshore Floating Solar Power Plant in Indonesia
Speaker to be announced
- 03:25pm** Q&A Round

With around 2 GW installed worldwide over the last few years, FPV stakeholders have already learned a lot about how to bring and maintain solar systems generating power on water bodies. Encouraged by these positive experiences, increasingly larger systems have been built and are under development - with the latest installations reaching several hundred MWs and plans for single systems announced that are about as large as today's total FPV capacity.

This session will discuss:

- Lessons learned from developing and operating systems on the water
- Case studies for very large FPV developments
- FPV business models today and tomorrow
- Digitalization & other innovations to optimize costs



Alison Wilshaw



Magnus Johanessen



Dr. Wiep Folkerts



Eik Leppin



Jie Lyu



WEDNESDAY, MAY 11, 2022

Time 09:00–10:30am
Room 12

For more than 10 years, the UN has made “rural electrification” a global goal for human development. Now would be time to review different approaches on how to electrify people. In this session, sustainable examples of successful projects will be presented. The projects started more than 5 years ago and are still going strong. Together we will take a look at the success factors and the replication potential.

OFF-GRID – BEST PRACTICES ON RURAL ELECTRIFICATION

- 09:00am** Welcome and Introduction
Peter Adelman, Professor, Ulm University of Applied Science, Germany
- 09:10am** Key Factors for the Promotion of Decentralized Energy Access Solutions in Sub-Saharan Africa
Bärbel Höhn, BMZ Special Representative fo Energy in Afica, Federal Ministry for Economic Cooperation and Development, Germany
- 09:25am** ENGIE Minigrids - Best Practices and Evolutions
 - Benjamin Dumond, Head of Operations & Technical Minigrids, ENGIE Energy Access, France
 - Morgan Gauthier, Operation and Technical Officer, Engie Power Corner, Belgium
- 09:40am** Long Lasting Weak-/ and Offgrid Battery Systems – a Pre-Sales View
Tobias Badelt, Sales Battery Storage Systems, Rolls Royce Solutions GmbH, Germany
- 09:55am** Zambian Case Study
Kerii Tjitendero, Head of Sales, Fosera Solarsystems GmbH & Co. KGaA, Germany
- 10:05am** Q&A



Peter Adelman



Bärbel Höhn



Benjamin Dumond



Morgan Gauthier



Tobias Badelt



Kerii Tjitendero

Time 11:00am–12:30pm
Room 12

Digitalization, both for financing and for system monitoring, as well as new types of batteries and other storage possibilities are becoming more and more innovation drivers in the off-grid solar sector. We present some of the latest key innovations.

OFF-GRID INNOVATION – DIGITAL, CONTROL & MONITORING SOLUTIONS, BATTERIES

- 11:00am** Welcome and Introduction
David Wedepohl, Managing Director International Affairs, German Solar Association/BSW-Solar, Germany
- 11:05am** Advanced Battery Analytics for Commercial & Industrial Applications
Svet Bajlekov, CEO & Co-Founder, AMMP, Netherlands
- 11:15am** Innovative Planning Tools for Hybrid Off-Grid Systems
Dr.-Ing. Saeed Sayadi, Chair of Energy Engineering and Environmental Protection & Research Associate, Technische Universität Berlin, Germany
- 11:25am** NiZn Battery: Developments and Potential for Off-Grid Applications
Dr. Sylvain Brimaud, Doctor, ZSW/Centre for Solar Energy and Hydrogen Research, Germany
- 11:35am** Remote Monitoring for Off-Grid Solar and Water Pumping Systems
Maximilian Spannagel, COO, EcoPhi Renewables Engineering GmbH, Germany
- 11:45am** To Be Announced
Speaker to be announced, NXT Grid, The Netherlands
- 11:55am** Innovating Integration of Efficient Power Electronics, Monitoring & Control
Bob Hopman, Sales Manager, Victron Energy B.V., Netherlands
- 12:05pm** Q&A



David Wedepohl



Svet Bajlekov



Dr.-Ing. Saeed Sayadi



Dr. Sylvain Brimaud



Maximilian Spannagel



Bob Hopman

WEDNESDAY, MAY 11, 2022

ON-GRID GOES OFF-GRID

Time 02:00–03:30pm
Room **12**

- 02:00pm** Welcome and Introduction
Dr. rer. nat. Catherina Cader, Head of Unit Off-Grid Systems, Reiner Lemoine Institut GmbH, Germany
- 02:05pm** To Be Announced
Dr. rer. nat. Catherina Cader, Head of Unit Off-Grid Systems, Reiner Lemoine Institut GmbH, Germany
- 02:20pm** Hot Water - Cost-Effective and Decentralized Through Photovoltaic Boilers
Manuel Masenko, CEO, fothermo System AG, Germany
- 02:35pm** Lux Battery - Swap From Home to Mobile
Benjamin Seckinger, CEO, BOS AG, Germany
- 02:50pm** Strategies for Improving Access to Electricity in Semi-Urban Areas via Interconnected Mini Grids
Muhammad Imran, RE Consultant and Project Manager, INTEGRATION environment & energy GmbH, Germany
- 03:05pm** Q&A

Photovoltaics is developing very quickly. Efficiency is increasing and costs are decreasing. Many potential applications are becoming competitive with the grid and other forms of power. While in the past off-grid users sought to be connected to the grid, the opposite may now be true. A gray area of products is emerging that belong in both the off-grid and grid-connected worlds. In addition, electrification strategies and perspectives are being adapted to show the potential of interconnected off-grid systems. This session will present examples of such products and systems, as well as innovative electrification approaches.



Dr. rer. nat. Catherina Cader Manuel Masenko Benjamin Seckinger Muhammad Imran



WEDNESDAY, MAY 11, 2022

Time 09:00–10:30am
Room **13 B**

The vast majority of operational utility-scale storage projects in Europe to date have targeted ancillary services - a market that is increasingly saturated and difficult to finance. Yet, "merchant stacking" through switching between individual markets and enabled by AI-based precision bidding has proven to optimize revenue streams and achieve attractive returns. In this session, we have a look at the current standalone storage landscape, understand use cases, prerequisites and markets addressed as well as provide an outlook on this application's suitability to drive European utility scale installations also in the future.

EUROPEAN'S MAIN MARKET DRIVER RELOADED? UTILITY SCALE STANDALONE STORAGE

09:00am

Welcome and Introduction

Anna Darmani, Lead Analyst, Energy Storage Europe, Wood Mackenzie, Germany

09:05am

Panel Discussion: Europe's Main Market Driver, Reloaded?
Utility-Scale Standalone Storage

- Julian Jansen, Market Applications Director, Fluence, UK
- Chris Matson, Partner | LCP's Energy Analytics Team, Lane Clark & Peacock, UK
- Jacob Monroe, Chief Commercial Officer, Arenko Group, UK
- Dr. Marise Westbroek, Project Leader, Aurora Energy Research, Germany



Anna Darmani



Julian Jansen



Chris Matson



Jacob Monroe



Dr. Marise Westbroek

Time 11:00am–12:30pm
Room **13 B**

In Europe, "renewables-plus-storage projects" for which the targeted use case requires a physical co-location are far less common than stand-alone projects so far. But why is it this way? What are the differences to booming renewables-plus-storage markets such as the US where GW scale storage is installed next to PV parks at very competitive PPAs? What has to change (or is already changing) to allow for a similar development and what are the chances that this will happen? This session will explore existing projects, market structures, pricing and regulations to provide the answers.

The session is jointly organized by Intersolar Europe and ees Europe.

Joint Session with Intersolar A TROUBLESOME MARRIAGE IN EUROPE? UTILITY SCALE RENEWABLES PLUS STORAGE

11:00am

Welcome and Introduction

Florian Mayr, Partner, Apricum - The Cleantech Advisory, Germany

11:05am

Panel Discussion: A Troublesome Marriage in Europe?
Utility-Scale Renewables-plus-Storage

- Arie Bal, Principal Electrical Engineer, Shell New Energies, Netherlands
- Till Brüggemann, Business Lead Project and Market Development, Vattenfall BU Solar & Batteries, Germany
- Patrick Clerens, Secretary General, EASE, Belgium
- Dr. Heike Pfistner, Head of Strategic Marketing and Product Management, Energy Storage, BASF New Business GmbH, Germany



Florian Mayr



Arie Bal



Till Brüggemann



Patrick Clerens



Dr. Heike Pfistner

WEDNESDAY, MAY 11, 2022

**POTENCIAL GAMECHANGERS:
INNOVATION IN BATTERY TECHNOLOGIES**

Time 02:00–03:30pm
Room **13 B**

- 02:00pm** Welcome and Introduction
Dr. Alexander Hirnet, Technical Director, sonnen GmbH, Germany
- 02:05pm** The Sodium-Ion Battery Energy Landscape
Ruth Sayers, Director of Technology and Operations, Faradion Limited, UK
- 02:20pm** Renewable Made Reliable: A Unique Long-Duration Energy Storage Solution
Dr. Ralf Wiesenberg, VP Business Development, Azelio, Sweden
- 02:35pm** Using High Voltages for a Grid-Tied Battery System: Project “kV-Batt”
 - Vanessa Steinkötter, Research Associate, Fachhochschule Dortmund, Germany
 - Prof. Dr.-Ing. Stefan Kempen, Prof. Dr.-Ing. for Electrical Power Engineering, Fachhochschule Dortmund, Germany
- 02:50pm** Second-Life Batteries: How Can Digital Twins Identify Which to Reuse and Make Them Last
Jørgen Erdal, Co-Founder & CEO, Evyon, Norway
- 03:05pm** A New Advanced Battery Inverter – the Game-Changer for Commercial and Industrial Storage Systems
Nam Truong, Co-Founder & Co-CEO, STABL Energy GmbH, Germany
- 03:20pm** Q&A

The technology for battery storage systems is constantly evolving. Not only is lithium-ion technology the subject of almost weekly news reports, but progress is also being observed in other battery chemistries. Technologies around the battery are developing rapidly, so new monitoring methods help to better understand the condition of batteries. Furthermore, in power electronics there have been enormous technological leaps. Look forward to get a first-hand insight into the current state-of-the-art.



Dr. Alexander Hirnet Ruth Sayers Dr. Ralf Wiesenberg Vanessa Steinkötter Prof. Dr.-Ing. Stefan Kempen Jørgen Erdal Nam Truong



WEDNESDAY, MAY 11, 2022

Time 09:00–10:30am
Room **13 A**

A key element of the energy transition is the need for an integrative approach, with all sectors pulling in the same direction. Given the ubiquity and high energy consumption of transport, from private cars to buses and trucks, EVs are set to become an integral part of overall energy systems. Novel approaches such as bi-directional charging and Vehicle-to-X models could be leveraged to support grid operation and stability. This session will examine novel charging technologies, showcase examples of best-practice projects, and discuss how inventive charging models could support the energy systems of the future.

The session is jointly organized by EM-Power and Power2Drive.

Joint Session with EM-Power INTEGRATING E-MOBILITY: SMART CHARGING AND VEHICLE-TO-X MODELS

- 09:00am** Welcome and Introduction
Philippe Vangeel, Secretary-General, AVERE - The European Association for Electromobility, Belgium
- 09:05am** Charging Solutions of the Future
Thomas Gereke, Global Senior e-Mobility Consultant, Siemens AG, Germany
- 09:20am** Why AC-Bidirectionality is the Key to a Widescale V2G Deployment
Dennis Schulmeyer, CEO, LADE GmbH, Germany
- 09:35am** Bidirectional Charging is the Future - AC or DC is the Question?!
Christian Adolph, Product Manager Charging, Webasto Group, Germany
- 09:50am** CHAdeMO: Enabler of V2G Application for Grid Stability
Tomoko Blech, Secretary General, CHAdeMO Association, France
- 10:05am** V2X - How to Save 500 EUR Today and 1.000 Tomorrow
Veronika Brandmeier, Head of Energy Supply and VGI Projects, The Mobility House AG, Germany
- 10:20am** Q&A



Philippe Vangeel



Thomas Gereke



Dennis Schulmeyer



Christian Adolph



Tomoko Blech



Veronika Brandmeier

Time 11:00am–12:30pm
Room **13 A**

Extending the service life of transport solutions, preserving resources and reducing energy consumption are all key tenets of the mobility transition. Far-sighted lifecycle management will become even more important as EVs increase our dependency on battery solutions. However, major questions remain in respect of cost efficiency and regulatory frameworks, with innovative technical and commercial solutions needed. In this session, speakers will examine trends and state-of-the-art for e-mobility charging technologies, present best-practice examples of mobile charging solutions, and discuss the link between e-mobility and reduction of the carbon footprint of economy.

FURTHER AHEAD: EXTENDED MOBILITY SERVICES AS A BUSINESS MODEL

- 11:00am** Welcome and Introduction
Frank Müller, Leiter Hauptstadtbüro, BEM/Bundesverband eMobilität e.V., Germany
- 11:05am** Intelligent Lifecycle Management of EV Batteries: Digital Twins and Artificial Intelligence for a Second Life
Patrick Peter, CEO & Founder, Circumomics, Germany
- 11:20am** Accelerating EV Adoption with Wireless Charging
Peter Wambsgans, Director of Business Development, WiTricity, Germany
- 11:35am** Mobile Urban EV Charging – Off Grid & On Demand
Andreas Nelskamp, Country Manager Germany, E-GAP Srl, Italy
- 11:50am** Economic Sizing and Impact of PV Forecast Inaccuracies on Charging Infrastructure Depending on its Use Case
Anna Sina Starosta, Research Assistant, Karlsruhe Institute of Technology, Institute of Electrical Engineering, Germany
- 12:05pm** Q&A



Frank Müller



Patrick Peter



Peter Wambsgans



Andreas Nelskamp



Anna Sina Starosta

WEDNESDAY, MAY 11, 2022

**JOINING THE DOTS:
SECTOR COUPLING AND VEHICLE – INTEGRATED GENERATION**

**Time 02:00–03:30pm
Room 13 A**

- 02:00pm** Welcome and Introduction
Dr. Oliver Mayer, Head of Energy Department, Bayern Innovativ GmbH, Germany
- 02:05pm** Residential Demand Response and V2G Empowered by Home Energy Management
Dr. Alexander Schuller, Product Management Smart Charging, Greencom Networks, Germany
- 02:20pm** From Charging Management to Sector Coupling: Holistic Building Concepts
Andreas Schimanski, Director Business & Technology, ecocoach AG, Germany
- 02:35pm** Digitalized Photovoltaic-Energy-Carport for Large-scale Parking Areas
Peer Samuel, Research Assistant, Solar-Institute Jülich - FH Aachen, Germany
- 02:50pm** TO BE ANNOUNCED
Baudrit Mathieu, Group Lead Technology, Sono Motors, Germany
- 03:05pm** Q&A

Sector coupling should be considered a key pillar in Europe’s strategy for the energy transition. From vehicles themselves to the associated infrastructure and buildings, an electrified, efficiently integrated transport sector could play a vital role in securing future energy supplies. Current proposals range from coating vehicles, roads and car parks in PV modules to developing mobile buffer storage solutions. Speakers in this session will present innovative models, examine the potential of vehicle-integrated PV (ViPV) systems, and discuss ways to overcome issues of cost efficiency, resource availability and compatibility.



Dr. Oliver Mayer



Dr. Alexander Schuller



Andreas Schimanski



Peer Samuel



Baudrit Mathieu



WEDNESDAY, MAY 11, 2022

Time 09:00–10:30am

Room 11

New technologies and market-based solutions are emerging to allow customers to also become active players in the market. The best potential outcome from smart grid technologies largely relies on the customers' readiness and adoption. This session provides you with insights into "What is needed in order to encourage customers to become more active" and "How does consumer engagement help utilities to address energy market challenges in an increasingly digital landscape as more distributed energy resources are integrated?" illustrated by case studies with innovative approaches, successful experiences and lessons learned.

ACTIVE CONSUMERS FOR SYSTEM EFFICIENCY

- 09:00am** Welcome and Introduction
Michael Villa, Executive Director, Smart Energy Europe, Belgium
- 09:05am** Enabling Energy Saving & Efficiency Advise in Banking App Using Smart Meter Data AI
■ Petra Eussen, Product Innovation Manager at Rabobank – Sustainable Living, Rabobank, Netherlands
■ Bram van der Wal, Director of Product, Net2Grid, Netherlands
- 09:20am** Successful Coordination between DSOs and Flexibility Providers through Local Markets: The Experience from Spanish CoordiNet Pilot
Cristina Corchero Garcia, CTO, Bamboo Energy S.L., Spain
- 09:35am** Introducing Smart Local Energy Systems
Simon Briggs, Practice Manager Business Models, Energy Systems Catapult, UK
- 09:50am** Industrial Process Transformation and Hybridization of Energy Supply, Key Enablers for Demand-Side Flexibility and Industry Decarbonization
Jean-Pierre Cleirec, CEO Western Europe, Energy Pool, France
- 10:05am** Panel Discussion



Michael Villa



Petra Eussen



Bram van der Wal



Cristina Corchero Garcia



Simon Briggs



Jean-Pierre Cleirec

Time 11:00am–12:30pm

Room 11

In order to accommodate an increase in renewables, power grids will need the ability to integrate new technologies more quickly. Digitalization is a key to integrate renewables in electricity systems, to improve reliability and leverage data to get sustainable energy where it needs to be. In this session, leading solution providers and utility managers that are on top of the digital revolution will share their views and experiences in dealing with the challenges of digitalization. Learn how they are embracing digital technologies to integrate renewables, respond to new models of consumption and aid the provision of flexibility solutions for electricity grids.

DIGITAL EVOLUTION OF THE GRID

- 11:00am** Welcome and Introduction
Kevin O'Donovan, Technology Evangelist, A Bit of This and That, France
- 11:05am** Introduction
Jesus Rodriguez Gonzales, Partner, McKinsey & Company, Spain
- 11:15am** Embracing the Ecological Transition: Let's Get Digital
Jean Philippe Poirrier, Head of Department, Smart Grid Solutions, Enedis, France
- 11:30am** Completely New Concepts and Solutions in Digitalization While IT and OT Converge
Dr. Michael Schwan, Head of Power Technologies International, Siemens AG, Germany
- 11:45am** Using AI/ML to Optimise the Asset Replacement Strategy
■ Frank Jacobs, Principal Asset Management, Grid Operations & IT/OT integration, DNV Energy Systems, Netherlands
■ Tobias Zeh, Product Owner for Advanced Analytics in Asset Management, Netze BW, Germany
- 12:00pm** Panel Discussion



Kevin O'Donovan



Jean Philippe Poirrier



Dr. Michael Schwan



Frank Jacobs



Tobias Zeh

WEDNESDAY, MAY 11, 2022

FLEXIBILITY MARKETS & BALANCING

Time 02:00–03:30pm
Room 11

- 02:00pm** Welcome and Introduction
Gregorio Ogliaro, Managing Director, Global Utility T&D Lead, Accenture, Italy
- 02:05pm** DSO Role in Building a More Flexible, Decentralized and Digital Energy System
Torsten Knop, European Regulation, E.ON SE, Germany
- 02:20pm** Balancing the Grid with Local Flexibility
Rune Hogga, CEO, Agder Energi Group, Norway
- 02:35pm** Achieving Flexibility with Aggregators' Participation in the TSOs Balancing Markets
Pasi Norrbacka, Senior Advisor Reserves & Flexibility, Statnett SF, Norway
- 02:50pm** Digital Services for Demand-Side Flexibility Market
Ciro Lanzetta, Chief Technical Officer, I-EM, Italy
- 03:05pm** Panel Discussion
Additional panelist: Richard Sarti, CEO, NODES, Norway



Gregorio Ogliaro



Torsten Knop



Rune Hogga



Pasi Norrbacka



Ciro Lanzetta



Richard Sarti

There is a growing need for flexibility to balance the grid when the larger part of the production is coming from renewable sources. The balancing of supply and demand in a system based on intermittent renewables is at the crux of the digital revolution. A number of platforms are being developed across Europe to meet the needs of distribution and transmission networks. This session focuses on what is needed to establish well-functioning retail markets and how efficient technological and new market solutions for active consumers and energy communities' participation in the energy transition will form the basis to achieve this.



SIDE-EVENTS THURSDAY, MAY 12, 2022

Time 09:30am–02:45pm
Room **13 B**

Participation:
€390 €

GRÜNE PPA – CHANCEN UND HERAUSFORDERUNGEN FÜR INDUSTRIE UND ENERGIEBRANCHE

By Conexio-PSE GmbH.

→ www.forum-neue-energiwelt.de/gruene-ppa/ppa-tagung-intersolar-europe/tickets-ppa-tagung

Organizers



Time 01:00pm–18:30pm
Room **11**

Participation:
€90

BACK CONTACT WORKSHOP (BACK CONTACT SOLAR CELL AND MODULE TECHNOLOGY)

By International Solar Energy Research Center Konstanz e.V.

→ www.backcontact-workshop.elmia.de/registration/

Organizers



Time 02:00pm–4:00pm
Room **22**

Participation:
Exhibition Ticket required

INDO-GERMAN ENERGY DIALOGUE – LATEST DEVELOPMENTS IN INDIA'S SOLAR ENERGY MARKET

By Indo-German Energy Forum (IGEF) Support Office.

Organizers



Time 2:00pm–4:00pm
Room **02**

Participation:
Exhibition Ticket required

THE SMARTER E SOUTH AMERICA – BRAZIL MARKET OPPORTUNITIES

By Solar Promotion International GmbH – The smarter E South America.

→ www.intersolar.de/accompanying-program/discover-new-opportunities-for-the-growing-pv-market-in-brazil?lang=en

Organizers



Time 10:30am–8:00pm
Room **13 A**

Participation:
Exhibition Ticket required

WOMEN ENERGIZE WOMEN CONFERENCE

By Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

→ www.womenenergize.org/

Organizers







ABOUT THE SMARTER E EUROPE EXHIBITION

„Creating a new energy world“ – This is the goal of The smarter E Europe, Europe’s largest platform for the energy industry. The focus is on renewable energies, decentralization and digitalization of the energy industry as well as cross-sector solutions from the electricity, heat and transport sectors for a smart and sustainable energy supply.

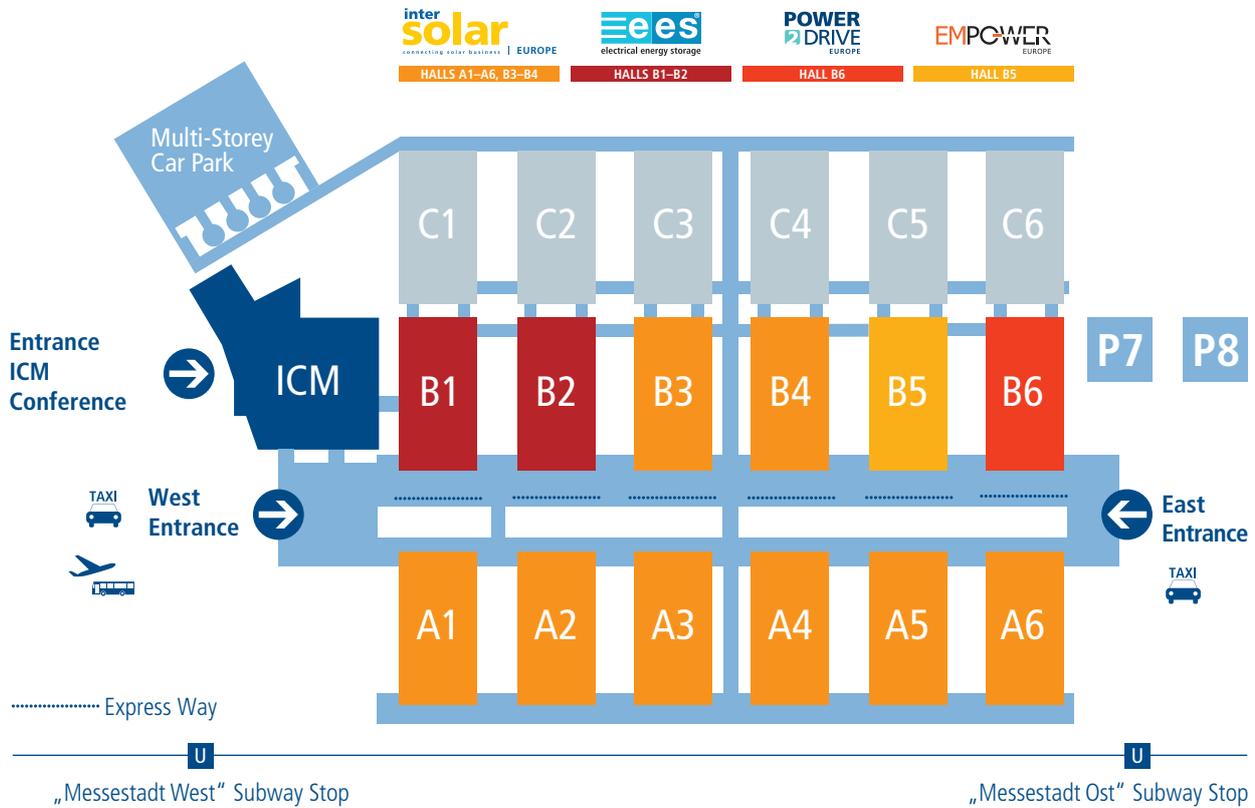
The smarter E Europe brings together a total of four exhibitions to give energy industry players from around the world a comprehensive overview of the latest developments and trends. All of the events will take place from May 11–13, 2022, at Messe München, Germany:

- Intersolar Europe – The world’s leading exhibition for the solar industry
- ees Europe – The continent’s largest and most international exhibition for batteries and energy storage systems
- Power2Drive Europe – The international exhibition for charging infrastructure and e-mobility
- EM-Power Europe – The international exhibition for energy management and integrated energy solutions

EXHIBITION QUICK FACTS

Dates	May 11–13, 2022
Hours	9:00am–6:00pm Wednesday 9:00am–6:00pm Thursday 9:00am–5:00pm Friday
Venue	A1–A6, B1–B6 Messe München 81823 Munich, Germany
Exhibitors	1,300 + at The smarter E Europe
Exhibition Space	132,000 sqm at The smarter E Europe
Visitors	50,000 at The smarter E Europe

EXHIBITION SITE PLAN OF THE SMARTER E EUROPE 2022



A1 Intersolar Europe

- PV Cell and Module Manufacturers

A2 Intersolar Europe

- PV Cell and Module Manufacturers

A3 Intersolar Europe

- PV Cell and Module Manufacturers
- PV Production Technologies, Materials, Components and Accessories

A4 Intersolar Europe

- PV System Providers, PV Distributors, PV Products, Services, Solar Thermal Technologies

A5 Intersolar Europe

- PV System Providers, PV Distributors, PV Products, Services, Solar Thermal Technologies
- Off-Grid Power
- PV Mounting Systems
- PV Tracking Systems

A6 Intersolar Europe

- PV Mounting Systems
- PV Tracking Systems

B1 ees Europe

- Stationary Battery and Energy Storage Systems
- Battery Manufacturing Technologies, Materials, Components and Accessories
- Battery Testing/Research

B2 ees Europe

- Stationary Battery and Energy Storage Systems
- Power-to-Gas, Hydrogen, Fuel Cells

B3 Intersolar Europe

- PV Inverters
- PV Monitoring, Measurement & Control Technologies

B4 Intersolar Europe

- PV Inverters
- PV Monitoring, Measurement & Control Technologies

B5 EM-Power Europe

- Smart & Microgrids/Smart Metering
- Monitoring/Yield Forecasts & Integration of Renewable Energies
- Virtual Power Plants/Flexibility Management
- Energy Management & Building Automation
- Decentralized & Renewable Energy Supply
- Energy Services/CO₂ Auditing
- Start-Up Area The smarter E Europe

B6 Power2Drive Europe

- Charging Technology and Infrastructure
- Electric Mobility
- Mobility Services
- Solar Carports and Bikeports

THEsmarter
EUROPE



THE INNOVATION HUB FOR
NEW ENERGY SOLUTIONS

JUNE
14–16
2023

www.TheSmarterE.de



SEE YOU NEXT YEAR

inter
solar
connecting solar business | EUROPE

ees
electrical energy storage

POWER
DRIVE
EUROPE

EMPOWER
EUROPE