The exhibition for intelligent energy use in industry and buildings
MESSE MÜNCHEN, GERMANY

JUNE 20–22 2018
www.EM-Power.eu
ACTIVE, NOT PASSIVE. CONSUMERS BECOME PROSUMERS.
CHANGING THE ENERGY WORLD

Our energy supply system is undergoing rapid and significant change. While large-scale power stations located far away from consumers were once the norm, today photovoltaic installations, decentralized heat/power generation units and heat pumps are increasingly being used to generate electricity and heat where they are actually needed – in towns, cities and communities as well as in industrial enterprises, real estate and residential buildings, or, to put it simply, at the site of consumption.

Intelligent solutions needed

The decentralization of the energy industry is also elevating the demand for smart control systems which connect generators and consumers, and create an optimum balance between the two. From smart meters and smart grids to smart buildings, the digitalization of the energy system has long played an important role in industry, commerce, public facilities and private households.

There is a huge potential in the building sector for electricity, heat and cooling to be generated using efficient energy technologies and renewable sources of energy. Intelligent sensor and control systems are already being employed to an ever greater extent here and will make an even more significant contribution to building energy management in the future.

FROM CONSUMER TO STAKEHOLDER

In this new energy world, customers are no longer energy consumers dependent on monopolies, but crucial stakeholders who take responsibility for intelligently controlling their own energy needs and have become energy producers in their own right. From self-supply with decentralized energy to contracting and energy services, the boundaries between generators and consumers will become more and more blurred in the future, leading to the development of new business models. This is causing the emergence of a new industry player known as the "prosumer", in other words, an energy producer and consumer rolled into one.

This development is a focal point of the new EM-Power exhibition, which is being held for the first time in Munich in 2018.

EM-Power is the first exhibition in Germany where professional energy customers – with their demand for efficient energy technologies, intelligent control systems and energy savings – and the key concepts underpinning the energy transition in industry and the building sector take center stage.

Join us in Munich from June 20–22, 2018 as EM-Power opens its doors for the first time!
EM-POWER: THE PLATFORM FOR THE FUTURE

EM-Power is a unique platform for acquisition, exchange and information on the topic of smart energy generation and consumption behind the meter. The exhibition presents renewable and efficient energy technologies, smart energy management systems and services as well as operator models which are crucial for the professional prosumers of today and tomorrow.

EM-Power is aimed at energy managers, planners and consultants from industry, the real estate sector and local authorities who are looking for sustainable solutions for their buildings, installations and real estate.

It gives exhibitors targeted access to specialists and executives who are making decisions about the energy future of their buildings, companies and real estate.

TARGETED INFORMATION

EM-Power is an ideal environment for professional exchange between exhibitors and industry professionals and offers a top-notch accompanying program that is geared toward its target group. Best practice projects are presented at specialist conferences and accompanying seminars, which provide a forum for discussing the trends in efficient operation of technical building systems. Industry associations and institutions from all relevant specialist areas are included.

This makes EM-Power an important venue for exchange and the development of intelligent and cost-effective energy solutions that are of significant interest for a wide range of application areas.

EXHIBITION HIGHLIGHTS 2018

Compact specialist conferences for:
- Hospitals, retirement homes and care facilities
- Food retail
- Hotels and food service
- Residential and commercial buildings
- Building authorities and public institutions
- Automotive and supply industry

PHOTO. The decentralization of the energy industry is also elevating the demand for smart control systems.
EXHIBITORS

- Manufacturers and suppliers of installations for efficient/renewable generation of power, heating & cooling
- Manufacturers of systems and plant technology
- Systems providers for smart homes/buildings
- Suppliers of building automation and energy management/control systems
- Suppliers of software for operating technical building systems
- Suppliers of facility management solutions
- Distributors and retailers
- Project developers, planners (plant technology)
- Energy suppliers and municipal utilities
- Energy service providers
- Contractors
- Financial service providers

VISITORS

Companies
- Energy, building and facilities managers, including for
  - Hotels and food service
  - Hospitals and care facilities
  - Food retailers and the food industry
  - Infrastructure facilities
  - Data centers
  - Automotive and supply industry

Real estate industry
- Operators and users of residential, municipal, commercial and industrial buildings
- Investors
- Energy, building and facilities managers
- In-house technicians and building services engineers

Public institutions
- Municipal property administrators
- Energy officers for public buildings (e.g. daycare centers, schools, universities, indoor and outdoor swimming pools)

Planners
- Architects, building services equipment-planner, construction engineers
- Energy consultants and planners
- Construction project managers, controllers

PHOTO. Energy managers, planners and consultants from industry, the real estate sector and local authorities take center stage at EM-Power.
TOPICS OF THE FUTURE FOR ENERGY-EFFICIENT BUILDINGS

Self-supply with decentralized / renewable energy
- Cogeneration systems (CHP)
  - Micro combined heat and power systems (smaller than 50 kWel)
  - Large combined heat and power plants (50 kWel and above)
  - Combined heat, cooling and power systems (CHCP)

Biomass
- Biomass heating systems
  (e.g. pellet and wood chip heating systems)
- Cogeneration systems based on biomass
  (wood gasification, Stirling engine, steam)

Power to heat & conversion
- Heat pumps (air, direct evaporation, groundwater/wastewater, process heat)
- Ground-source heat pumps
- Electric direct heating systems
- Hybrid and mixed systems

Systems and plant engineering
- Heat storage tanks/storage technology/systems (thermal)
- Heat/cooling transfer systems
- Efficient pumps/distribution systems
- Generators and emergency power systems
- Compressors and compressed air
- Air-conditioning, cooling and ventilation technology
- Other efficiency technologies (e.g. LEDs)

Control engineering for the optimization of energy consumption
- Energy management, monitoring and controlling for industry & buildings
- Instrumentation and control engineering for industry & buildings
- Smart submetering
- Building automation and sensor technology (smart homes/buildings)
- Smart factories

Software for energy management systems
- Building services equipment
- Building management systems (BMS)
- Computer-aided facility management (CAFM)
- Other IT, communications and organization software

Energy services
- Energy contracting
- Demand response management
- Energy procurement and contract management
- Auditing and compliance

Grid infrastructure and solutions for the integration of renewable energies
EXHIBITION SITE PLAN OF THE SMarter E EUROPE 2018

EXHIBITION HALLS OF THE SMarter E EUROPE 2018

A1 Intersolar Europe
PV Cell and Module Manufacturers

A2 Intersolar Europe
PV Cell and Module Manufacturers
PV Components and Accessories
PV Production Technologies, Materials and Accessories

A3 Intersolar Europe
PV Systems Providers
PV Distributors
PV Products, Services
PV Mounting Systems
PV Tracking Systems

B1 ees Europe
Stationary Battery and Energy Storage Systems
Power-to-Gas, Hydrogen, Fuel Cells

B2 Intersolar Europe
PV Inverters
PV Monitoring, Measurement & Control Technologies
Smart Renewable Energy

B3 Intersolar Europe
PV Inverters
PV Monitoring, Measurement & Control Technologies
PV System Providers
PV Distributors
PV Products, Services
Off-Grid Power
Solar Thermal

C1 ees Europe
Battery Manufacturing Equipment
Battery Materials
Battery Testing/Research
Energy Storage Systems

Power2Drive Europe
Charging Infrastructure
Electric Mobility

C2 EM-Power
Self-Supply with Decentralized, Renewable Energy
Energy Management in Industry & Buildings
Energy Services
The global energy industry is undergoing a radical transformation. Digitalization and decentralization are changing the face of the energy world for good. Renewable energy has become a crucial part of our energy supply system, with global investments in renewables surpassing those made in fossil energy sources for the first time in 2015. If renewable energy is to compete against conventional sources of energy, it is not enough to simply improve how it is generated. Instead, the fields of generation, energy storage, distribution and consumption must be connected seamlessly and intelligently.

In order to give all these aspects the attention they deserve, the organizers of Intersolar and ees are taking the logical step of combining all topics and events concerning the new energy world under a new umbrella called The smarter E.

The smarter E will not only be a new umbrella brand, but will also act as a strong link between Intersolar, ees, and the new EM-Power and Power2Drive exhibitions. The smarter E will also create additional opportunities for addressing all the key areas along the energy value chain by providing the important topics and formats – from exhibitions, conferences and forums, to workshops, dedicated events and collaborations – with a permanent home under the new umbrella. This will allow new areas of focus to be set and better integrated, the latest developments to be addressed in more detail, and discussions between the various sectors and industries to be more actively encouraged. By following this approach, The smarter E will enable us to look at the bigger picture and beyond.

The smarter E is also a response to the developments taking place in our exhibiting companies, which are relying increasingly on integrated and intelligently connected systems and services. The same can be said of our partners, conference attendees and visitors, whose requirements are changing as a result of digitalization. In fact, with people organizing all areas of their lives digitally, consumers also require access to digital services in the energy sector. Together we share the common vision of creating a smart, sustainable and environmentally friendly energy supply system. The new umbrella brand serves as a unique platform for achieving this goal and gives the new energy world a name: The smarter E.
PARALLEL EXHIBITIONS AND CONFERENCES

Intersolar Europe – Connecting Solar Business!
Intersolar Europe is the world’s leading exhibition for the solar industry and its partners. It focuses on the areas of photovoltaics and solar thermal energy. Since being founded 26 years ago, Intersolar Europe has become the most important industry platform for manufacturers, suppliers, distributors, service providers and partners in the global solar industry.

Power2Drive Europe
The exhibition Power2Drive showcases electric mobility and charging solutions and technologies and reflects the interaction between electric vehicles and a sustainable and environmentally friendly energy supply. It is an industry hotspot for suppliers, manufacturers, distributors and start-ups in the emerging field of electric mobility and transportation.

ees Europe – Charging the Future!
Europe’s largest exhibition for batteries and energy storage systems is the industry hotspot for suppliers, manufacturers, distributors and users of stationary electrical energy storage solutions. Covering the entire value chain of innovative battery and energy storage technologies – from components and production to specific user applications – the ees Europe is the ideal platform for the rapidly growing energy storage market.

Conferences
The accompanying conferences deepen the topics of the exhibitions. Within the Intersolar Conference especially large power plants, financing and integration of renewables are highlighted. The ees Conference addresses latest trends in battery and energy storage technologies.
While EM-Power will specifically target energy, building and facility managers starting in 2018, approximately 40,000 trade visitors from the solar and energy storage industry, including more than 11,000 project developers, already gather at Intersolar and ees Europe. In addition, energy consultants and architects, rely on the two exhibitions to keep up to date on solutions for intelligent energy use. Topics such as smart homes and buildings but also cogeneration systems, heat pumps, heat storage tanks, solutions for air conditioning/cooling, and biomass and renewable heating systems remain in high demand among visitors.

For professional energy purchasers, these topics are becoming increasingly complex as they affect more and more industries and technologies. As a result, EM-Power relies on the combined expertise of the organizers of Intersolar and ees Europe, and of Messe München. Messe München will draw on synergies with several leading exhibitions to support the success of EM-Power. Energy and its efficient use are extremely important topics at events such as BAU, a leading exhibition for passive energy efficiency, electronica, for components for energy distribution and sensory technology, and EXPO REAL, the meeting point for Europe’s real estate industry.

Take advantage of the huge potential of EM-Power Europe 2018 and present your solutions for intelligent energy use in industry and buildings in June 2018 in Munich!
TAKE THE OPPORTUNITY AND MEET POTENTIAL CUSTOMERS IN MUNICH