

3 - 5 JUNE 2014 | KOELNMESSE | COLOGNE | GERMANY

**RENEWABLE
ENERGY
WORLD**
CONFERENCE & EXPO
EUROPE

NAVIGATING THE POWER TRANSITION

PRELIMINARY EVENT GUIDE

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REGISTER NOW

**Register
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ENERGY WORLD
EUROPE**

Early Bird Discounts

Register as a Conference Delegate before or on 16 May 2014 and take advantage of discounted early bird delegate rates.

Exhibition Entry

Entrance to the exhibition only will be subject to a charge of €40

Register Online

On-line registration via the Renewable Energy World Europe website is a straightforward and simple process. Just log-on to www.renewableenergyworld-europe.com, select the REGISTER tab and then click on the online registration link.

Registration Form

Simply complete the form on the back of this document and fax it to: +1 918 831 9161. Alternatively please mail your completed form to us at: PennWell/ Renewable Energy World Europe 2014, PO Box 973059, Dallas, TX75397-3059 United States or email to registration@pennwell.com

Please note: If you would prefer to register online for co-located POWER-GEN Europe instead, you can do so by logging onto www.powergeneurope.com

Registering for either of the events gives you access to both.

Attendee Badge Policy

All registered attendees will be issued an Attendee Badge and badge holder, as well as the appropriate event tickets and electronic business card. Please wear your badge at all times when attending official Renewable Energy World Europe functions. Badges are a security measure to identify people who have a legitimate reason to be in the conference and exhibit areas. If you are not wearing your badge, you may be asked to show proof of your registration and picture ID.



WELCOME TO RENEWABLE ENERGY WORLD EUROPE



Mathilde Sueur
Senior Conference Manager
Renewable Energy World Europe



Dear Colleagues,

On behalf of PennWell Corporation, members of the Advisory Board, speakers, exhibitors and sponsors, it is my pleasure to introduce you to the Renewable Energy World Europe conference programme and invite you to join us in Cologne on June 3-5.

Now in its eighth year, Renewable Energy World Europe offers a comprehensive conference and exhibition for the European renewable power industry. Over three days, the Renewable Energy World Europe conference program will cover strategic and technical topics chosen and presented by industry professionals.

According to Bloomberg New Energy Finance, investments in renewables in Europe have declined by 41% last year and the recent announcement by the European Commission of its plan to scrap the legally binding national targets and to focus on generating as a whole 20% its energy from renewables by 2020 (27% by 2030) is raising concerns for renewable power producers who fear further cuts in investment and subsidies.

However, the drop in investment is not entirely due to a lesser number of renewable projects but partly to the decreasing costs of renewable technologies, mainly solar panels, and the EC is still strongly committed to reduce Europe's carbon emissions by 40% by 2030, double the current 2020 target.

With Germany confirming its exit from nuclear power generation by 2022 and its plan to increase its share of power generated by renewable sources to 40% by the same year, Cologne is the perfect place to discuss the latest trends in policies, finance and renewable technologies.

For the second year running, Renewable Energy World Europe, in collaboration with POWER-GEN Europe, also presents a special focus on the all-important issue of the integration of renewables in the system by dedicating an entire conference track on solutions for integration.

In this Preliminary Event Guide you will find the full conference programme for Renewable Energy World Europe, the summary grids for the co-located POWER-GEN Europe conference, the exhibitor listings as well as the relevant information you need to plan your visit to Cologne. More speakers will be confirmed between now and June so make sure you check the website regularly for updates at www.renewableenergyworld-europe.com.

Complete and return the registration form found at the end of this guide now to take full advantage of our early-bird discounts. Don't miss your chance to network with the 15,000 power industry professionals expected to visit our co-located events over these three days.

I very much look forward to seeing you in Cologne in June.

INVITATION TO RENEWABLE ENERGY WORLD EUROPE



Thorsten Herdan,
Managing Director,
VDMA Power Systems



Welcome to the technical-economic laboratory called "Energiewende".

VDMA, the association and platform for all power generation technologies in Germany, is delighted to meet the Renewable Energy World Europe community in June in Cologne.

2014 is a decisive year for the transition of the European energy system. The economic crisis is still dominating most of the European economies, the gap in energy prices between Europe and other areas in the world is influencing industrial investments and Europe itself is preparing the next phase in energy and climate policy for the time beyond 2020.

Renewable energy generation has become a success story. In many countries the kick-start for these sustainable technologies has been made. Germany has reached now a share of 25% in electrical power and this example shows that the market instruments which have been designed twenty years ago are no longer appropriate.

Europe now needs new concepts for a real integration of all necessary technologies for a cost efficient, low carbon and sustainable energy infrastructure.

Even if we are realistic enough to see that a full harmonisation of the energy markets and political instruments is unrealistic today, we as technology providers are calling for more instead of less integration.

During the last years we have seen many national initiatives, each of them with a certain logic, but without a European perspective. This is not the way things will work successfully. As an example, national instruments trying to influence the carbon price have just exported power generation and emissions to neighbor countries. Economic factors - as most of these instruments are - are changing fast depending on national political priorities and therefore investment decisions for long-lasting goods such as power plants are nearly impossible. In consequence it is hard to invest in R&D for new technologies for these markets.

June 2014 is a good point in time to understand the upcoming framework conditions. The European Commission will have published its ideas for energy and climate policy beyond 2020 as well as guidelines for state aid in the energy market will be available. The new German government has promised to come up with the concept for new renewable energy legislation and this will provide a perspective for the entire energy market.

Let's come together in Cologne, let us - utilities, investors, political decision makers and technology providers - discuss the technologies and solutions needed in this next phase.

We look forward to seeing you in June.

The VDMA represents over 3,100 mainly small/medium size member companies in the engineering industry, making it one of the largest and most important industrial associations in Europe.

Mechanical engineering is a key technology and a powerful engine driving the economy. Accounting for sales of € 207 billion (2012) and 971.000 employees (October 2012), mechanical engineering is one of the largest industrial sectors and employers in Germany. The products and services of the engineering industry are highly regarded worldwide. Roughly two thirds of German production is exported.

The VDMA covers the entire process chain - everything from components and plant manufacturers, system suppliers and system integrators through to service providers. We reflect the varied customer-supplier relations all along the value adding chain, permitting both industry-specific and intra-industry cooperation.

SCHEDULE OF EVENTS

**Sunday 1st June
2014**
**Registration open
14:00 – 18:00**
North Entrance



MONDAY 2ND JUNE 2014		
Registration Open	08:00 – 17:00	North Entrance
Technical Tours	09:00 – 17:00	Meeting Point: North Entrance

TUESDAY 3RD JUNE 2014		
Registration Open	08:00 – 18:00	North Entrance
Joint Opening Keynote Session	09:30 – 11:00	Konrad Adenauer Saal, Congress Centre North
Exhibition Floor Open	11:00 – 18:00	Halls 6 & 7
Delegate Lunch	12:30 – 14:00	Delegate Restaurant, Hall 6
Conference Sessions 1	14:00 – 15:30	Congress Center North
Delegate Coffee Break	15:30 – 16:00	Congress Center North
Conference Sessions 2	16:00 – 17:30	Congress Center North
Opening Reception	17:00 – 18:30	Exhibition Floor

WEDNESDAY 4TH JUNE 2014		
Registration Open	08:00 – 18:00	North Entrance
Exhibition Floor Open	09:00 – 18:00	Halls 6 & 7
Conference Sessions 3	09:00 – 10:30	Congress Center North
Delegate Coffee Break	10:30 – 11:00	Congress Center North
Conference Sessions 4	11:00 – 12:30	Congress Center North
Delegate Lunch	12:30 – 14:00	Delegate Restaurant, Hall 6
Joint Plenary Panel Discussion	14:00 – 15:30	Konrad Adenauer Saal, Congress Centre North
Delegate Coffee Break	15:30 – 16:00	Congress Center North
Conference Sessions 5	16:00 – 17:30	Congress Center North

THURSDAY 5TH JUNE 2014		
Registration Open	08:00 – 16:00	North Entrance
Exhibition Floor Open	09:00 – 16:00	Halls 6 & 7
Conference Sessions 6	09:00 – 10:30	Congress Center North
Delegate Coffee Break	10:30 – 11:00	Congress Center North
Conference Sessions 7	11:00 – 12:30	Congress Center North
Delegate Lunch	12:30 – 14:00	Delegate Restaurant, Hall 6
Best Paper Awards & Closing Reception	15:00 – 16:00	Exhibition Floor



JOINT OPENING KEYNOTE SESSION

Tuesday 3 June – 09:30 – 11:00 – Room: Konrad-Adenauer-Saal, Congress Centre, Ground Floor
Session is open to all registered attendees

Start your visit to POWER-GEN Europe by joining your fellow power industry professionals at the scene-setting joint opening keynote session. The keynote takes place prior to the opening of the exhibition floor and all attendees are welcome

Introduction and Opening Remarks: Nigel Blackaby, Director of Conferences, PennWell International Power Group, UK

Speakers:



*Sigmar Gabriel,
Federal Minister of
Economic Affairs and
Energy, Germany



Mr. Matthias Hartung,
Chief Executive Officer,
RWE Generation SE
& RWE Power AG,
Germany



Dipl. Vesa Riihimäki,
President, Power Plants
& Executive Vice
President, Wärtsilä
Corporation, Finland

JOINT PLENARY PANEL DISCUSSION

Wednesday 4 June – 14:00 – 15:30 – Room: Konrad-Adenauer-Saal, Congress Centre, Ground Floor
Session is open to all registered delegates

NAVIGATING THE POWER TRANSITION

This year's panel topic develops the overall joint theme of the events, "Navigating the Power Transition". The panel will take as its starting point the fact that the energy mix in Europe has changed significantly and is fully expected to edge increasingly towards renewables. The panel will be asked to expound their views on how the industry should adapt, what national and European governments can do to smooth the transition, what technologies will be needed to cope with the change and what shape the industry will take as a result of the re-alignments taking place. Is the transition creating a crisis in the industry that will see some incumbents fail or an opportunity for a re-positioning that will produce new business opportunities?

Moderator: Karel Beckman, Editor-in-Chief, Energy Post, Netherlands

Panelists:



Mr. Thorsten Herdan, Managing Director,
VDMA, Germany



Dr. Roland Fischer, Chief Executive Officer,
Fossil Power Generation Division, Siemens AG,
Germany



Prof. Emmanouil Kakaras, President, European
Power Plant Suppliers Association (EPPSA),
Belgium



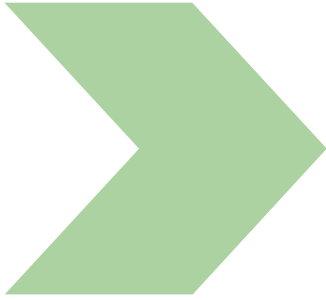
Mr. John Easton, Vice President of International
Program, Edison Electric Institute (EEI), United
States



Mr. Jim Lightfoot, Chief Operating Officer, Gas-
CCGT, E.ON Generation GmbH, Germany

**Invited/to be confirmed*

DIPLOMATIC QUARTER / WINE TASTING



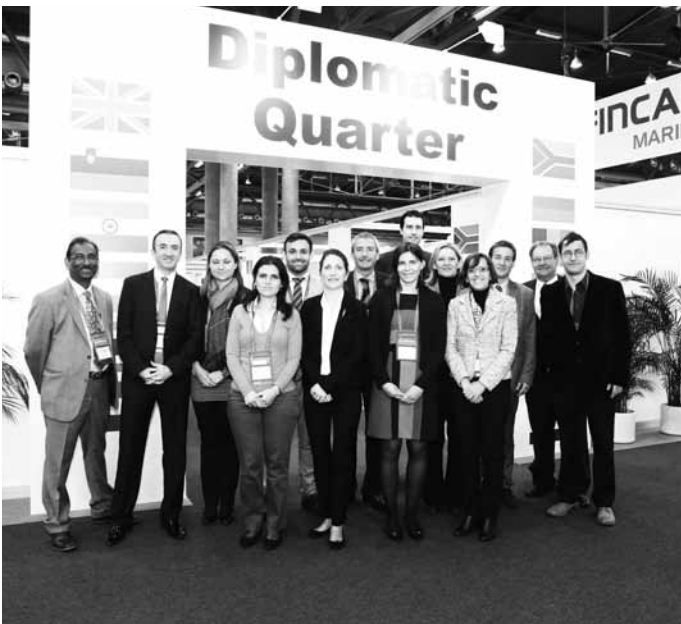
DIPLOMATIC QUARTER HALL 6

Returning to Renewable Energy World Europe for the second year is the highly popular Diplomatic Quarter.

Located in Hall 6, the Diplomatic Quarter is a dedicated pavilion that gathers together commercial representatives from embassies around the world including Great Britain, Bulgaria, Czech Republic, Hungary, South Africa and Austria

Free to visit and no appointments necessary, the Diplomatic Quarter provides organizations that are considering a business venture in another country or region with valuable local advice and support directly from a relevant country representative. A multinational facility, the Diplomatic Quarter provides organisations with the means to plan their next foreign commercial venture from a single point of access.

EXPAND YOUR BUSINESS HORIZONS BY VISITING THE DIPLOMATIC QUARTER



WINE TASTING A TASTE OF AUSTRIA HALL 6

Tuesday, 3 June:	13:00 – 18:00
Wednesday, 4 June:	13:00 – 18:00
Thursday, 5 June:	13:00 – 16:00

The highly popular wine tasting experience returns to Renewable Energy World Europe and POWER-GEN Europe On all three days of the event from 13:00 until close of play, Mr. Ing. Ernst Holler, CEO of the Elfenhof vineyard will be guiding you through Austria's many delicate whites and full bodied red wines from the Burgenland region.

THE ELFENHOF VINEYARDS

The Holler family has operated the winery since 1642 - The ELFENHOF vineyards lie around one of the top wine-growing areas in the world.

JOIN US AS WE SAMPLE A TASTE OF AUSTRIA AT RENEWABLE ENERGY WORLD EUROPE



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RENEWABLE ENERGY WORLD EUROPE CONFERENCE GRID

Renewable Energy World Europe 2014				
DAY 1 – TUESDAY 3 JUNE				
TUESDAY 3 JUNE	09:30 – 11:00	Joint Opening Keynote Session – (Room: Konrad Adenauer Saal)		
	12:30 – 14:00	Delegate Lunch		ExxonMobil
	TRACK:	Renewable Energy Technology Rheinsaal 2	Solutions for Integration Rheinsaal 4	Strategy for a Changing Power Sector Rheinsaal 3
	Session 1 14:00 – 15:30	Challenges & Opportunities for Offshore Wind	The Challenge of Integrating Renewables	The Big Picture: Panel Discussion
	15:30 – 16:00	Delegate Coffee Break		
	Session 2 16:00 – 17:30	Leading Marine Developments	Technologies Delivering System Stability	Strategies for Stadwerke & Utilities
	17:00 – 18:30	OPENING RECEPTION		

DAY 2 – WEDNESDAY 4 JUNE				
WEDNESDAY 4 JUNE	Session 3 09:00 – 10:30	Challenges & Opportunities for Onshore Wind	A Responsive Grid	Investing in Existing & New Assets – Strategic Options
	10:30 – 11:00	Delegate Coffee Break		
	Session 4 11:00 – 12:30	The Hydro Opportunities	Smart Markets/Meters	Finance & Risk
	12:30 – 14:00	Delegate Lunch		ExxonMobil
	14:00 – 15:30	Joint Plenary Panel Discussion: Navigating the Power Transition – (Room: Konrad Adenauer Saal)		
	15:30 – 16:00	Delegate Coffee Break		
Session 5 16:00 – 17:30	Europe's Solar Energy Future	Dynamic Power Technologies	Decentralised Generation & System Integration	

DAY 3 – THURSDAY 5 JUNE				
THURSDAY 5 JUNE	Session 6 09:00 – 10:30	Biomass & Waste	Energy Storage	Market Design for the Future
	10:30 – 11:00	Delegate Coffee Break		
	Session 7 11:00 – 12:30	Operation & Control of Renewable Technologies	POWER-GEN Europe & Renewable Energy World Europe Joint Summary Session (Room: Rheinsaal 5)	Policy, Regulations & Capacity Mechanisms
	12:30 – 14:00	Delegate Lunch		ExxonMobil
	15:00 – 16:0	CLOSING RECEPTION & BEST PAPER AWARDS		

POWER-GEN EUROPE CONFERENCE GRID

		POWER-GEN Europe 2014		
		DAY 1 - TUESDAY 3 JUNE		
TUESDAY 3 JUNE	09:30 - 11:00	Joint Opening Keynote Session (Room: Konrad Adenauer Saal)		
	12:30 - 14:00	Delegate Lunch		
		Track 1: Strategy for a Changing Power Sector <i>Rheinsaal 3</i>	Track 2: Low to Zero CO ₂ Emissions <i>Rheinsaal 5</i>	Track 3: Gas Fired Generation <i>Konrad Adenauer Saal</i>
	Session 1 14:00 - 15:30	The Big Picture: Panel Discussion	Low to Zero CO ₂ Emission - Overview	Large Gas Turbines Technology I
	12:30 - 14:00	Delegate Lunch ExxonMobil		
	Session 2 16:00 - 17:30	Strategies for Stadwerke & Utilities	Combined Heat & Power	Large Gas Turbines Technology II
	17:00 - 18:30	OPENING RECEPTION		
		DAY 2 - WEDNESDAY 4 JUNE		
WEDNESDAY 4 JUNE	Session 3 09:00 - 10:30	Investing in Existing & New Assets - Strategic Options	Post Combustion CO ₂ Capture - Pilot Plant Results	Combined Cycle and CHP Operability Flexibility
		Delegate Coffee Break		
	Session 4 11:00 - 12:30	Finance & Risk	Oxyfuel Technology	Combined Cycle and CHP Operability Flexibility II
		Delegate Lunch ExxonMobil		
	14:00 - 15:30	Joint Plenary Panel Discussion: Navigating the Power Transition (Room: Konrad Adenauer Saal)		
	15:30 - 16:00	Delegate Coffee Break		
Session 5 16:00 - 17:30	Decentralised Generation & System Integration	Technologies for CCS Cost Mitigation	Operational Excellence	
		DAY 3 - THURSDAY 5 JUNE		
THURSDAY 5 JUNE	Session 6 09:00 - 10:30	Market Design for the Future	Biomass in the Energy System	Steam Generation and Auxiliaries
	10:30 - 11:00	Delegate Coffee Break		
	Session 7 11:00 - 12:30	Policy, Regulations & Capacity Mechanisms	POWER-GEN Europe & Renewable Energy World Europe Joint Summary Session	Smaller Gas Turbines and Gas Engines
	12:30 - 14:00	Delegate Lunch ExxonMobil		
	15:00 - 16:00	CLOSING RECEPTION & BEST PAPER AWARDS		

For more information on the POWER-GEN Europe Conference Programme, please visit www.powergeneurope.com

POWER-GEN EUROPE CONFERENCE GRID

POWER-GEN Europe 2014				
DAY 1 – TUESDAY 3 JUNE				
Joint Opening Keynote Session <i>(Room: Konrad Adenauer Saal)</i>				
Delegate Lunch				
Track 4: Advanced & Flexible Steam Plants <i>Rheinsaal 6</i>	Track 5: Generators, Monitoring and Automation <i>Rheinsaal 1</i>	Track 6: Optimizing Existing Plants <i>Room D</i>	Track: Solutions for Integration <i>Rheinsaal 4</i>	
NOx Reduction	Generator Failure Modes: Strategies and Options for Prevention, Retrofit and Return to Service	Maintenance Tools	The Challenge of Integrating Renewables	
Delegate Lunch ExxonMobil				
Flue Gas Desulphurization & Mercury Control	Generator Monitoring	Operation & Maintenance Improvements	Technologies Delivering System Stability	
OPENING RECEPTION				
DAY 2 – WEDNESDAY 4 JUNE				
Advanced Fluidized Bed Technology	Simulation & Optimization	Environmental Improvements	A Responsive Grid	
Delegate Coffee Break				
Large PC/CFB USC Steam Generators	Optimization	Flexibility Improvements I	Smart Market/Meters	
Delegate Lunch ExxonMobil				
Joint Plenary Panel Discussion: Navigating the Power Transition <i>(Room: Konrad Adenauer Saal)</i>				
Delegate Coffee Break				
Large Power Station Flexibility	Effective Operations	Flexibility Improvements II	Dynamic Power Technologies	
DAY 3 – THURSDAY 5 JUNE				
Advanced Material	Instrumentation & Measurement	Efficiency Improvements	Energy Storage	
Delegate Coffee Break				
Biomass & Secondary Fuels	Controls	Life Extension	POWER-GEN Europe & Renewable Energy World Europe Joint Summary Session <i>(Room: Rheinsaal 5)</i>	
Delegate Lunch ExxonMobil				
CLOSING RECEPTION & BEST PAPER AWARDS				

TECHNICAL TOURS

Technical Tour 1: Lunen Power Station (Trianel)



Owner/Operator:	Trianel Kohlkraftwerk Lünen GmbH und Co. KG
Date: Monday	2nd June 2014
Meeting Time:	09:00am
Meeting Point:	Registration Area, Koelnmesse
Duration:	Approximately 5 hours
Cost:	€90

The Trianel Lünen hard-coal-fired power plant is owned by Trianel Kohlkraftwerk Lünen GmbH und Co. KG and has been on line in continuous operation since December 2013. The plant lies on the Datteln-Hamm Canal, a major inland waterway in North-West Germany. 31 Municipal utility companies and regional energy suppliers from Germany, Austria and Switzerland are the sole project managers and joint-owners of the plant. The 750 Megawatt plant with a district heating supply of 35 MW (up to 160 MW possible) for the town of Lünen will commence commercial operations in early 2014. The modern power plant in Lünen is highly flexible, so the plant can reduce output by up to 20 percent within a reasonable period of time or increase output in short-term peaks by up to 103 percent. The steam turbine net output is adjustable between 160 and max. 775 MW.

With an efficiency of 45,95 percent, Lünen is one of the cleanest and most efficient hard-coal-fired power plant in Europe. Using leading-edge technology makes it possible to save coal and up to a million tons of CO₂ every year. Depending on the quality of the coal, Trianel's Lünen coal-fired power plant requires approx. 240 tons of fuel per hour when operating at full load. Based on a daily supply at least two pusher barges with a capacity of approx. 3,500 tons each ensure the ongoing supply and filling of both silos with 100,000 tons each. Furthermore, State-of-the-art gas treatment technology makes it possible to produce such low emissions that the additional load in Lünen will be barely measurable. Products produced by the flue gas stream's cleaning process such as flue ash (TRlamant) and gypsum are certified and are already being used in the construction material industry.

Registration for this tour closes Thursday 29th May 2014

ATTENDEES ARE REQUIRED TO WEAR SENSIBLE CASUAL CLOTHING FOR TECHNICAL TOURS

TRACK 3: GAS FIRED GENERATION

THE MEGA SESSION LARGE GAS TURBINE TECHNOLOGY

A personal view from the session chair:

In February, Europe took a step towards a single power market by unifying electricity trading across 15 countries. Will this create further headaches for an electricity market that some suggest is in transition, others chaos and crisis?

Consider:

- National support schemes for renewables, with guaranteed access to demand, are encouraging increased (erratic) renewable generation
- Meanwhile, thermal generation technologies face reduced access to demand with nuclear in recession and coal in decline due to ageing obsolete plant and the need to reach EU emission targets
- Add to this the continuing need to reduce emissions by 2020 and greater generation efficiency and flexibility needs

Arguably this makes gas fired combined cycle generation the most viable generation capacity. These, along with other gas fired generation, will need to ensure the unbroken supply of electricity when renewable generation fluctuates.

However:

- Right now gas fired generation and in particular combined cycle plants are not having an easy time of it and find themselves on the third or fourth merit tier
- Many older plants are being forced to cope with greater than designed flexibility with two-shifting, fast-start / high ramp rates and grid response
- This is combined with the need for high availability and reliability under a challenging economic climate

Join us in the Mega Session, designed for those that plan, construct, own, operate and maintain gas turbine generation. With introductions by E.ON and RWE, who will present these issues for now and the future and featuring our five leading OEM's who will respond and show us how to keep the lights on.

The session includes a coffee break, panel discussion and the opportunity to ask those leading and contentious questions.

Eldred R.W. Clark
Session Chair



RENEWABLE ENERGY WORLD EUROPE
CONFERENCE PROGRAMME



TUESDAY 3 JUNE

JOINT OPENING KEYNOTE SESSION

Room: Konrad Adenauer Saal, Ground Floor

09:30 – 11:00

Session is open to all registered attendees

Chair: Nigel Blackaby, Director of Conferences, PennWell International Power Group, United Kingdom

*Sigmar Gabriel, Federal Minister of Economic Affairs and Energy, Germany
Matthias Hartung, Chief Executive Officer, RWE Generation SE & RWE Power AG, Germany

Vesa Riihimäki, President, Power Plants & Executive Vice President, Wärtsilä Corporation, Finland

12:30 – 14:00 Delegate Lunch

TRACK: RENEWABLE ENERGY TECHNOLOGY

Session 1: Challenges & Opportunities for Offshore Wind

Room: Rheinsaal 2, Second Floor

14:00 – 15:30

The attraction of offshore wind power generation lies in the greater levels of energy produced by offshore wind turbine generators than onshore ones. The session will cover the key technical challenges associated with the development of offshore power generation, and will assess the critical success factors in successfully realising the development of offshore wind capacity in the EU.

Chair: Azad Camyab, Chief Executive Officer, Stor Generation Limited, United Kingdom

Offshore Wind – Three Perspectives

Eckart Lindwedel, Senior Principal, Pöyry Management Consulting, Germany

Invited Speakers:

Henrik Stiesdal, Chief Technical Officer, Siemens Wind, Denmark
Representative from Areva Wind

TRACK: SOLUTIONS FOR INTEGRATION

Session 1: The Challenge of Integrating Renewables

Room: Rheinsaal 4, Second Floor

14:00 – 15:30

This session looks at the challenges of integrating renewables into the system exploring the issues and challenges ensuring the delivery of reliable power

Chair: Peter Ramm, Chief Operating Officer, Advanced Power AG, United Kingdom

Co-Chair: James Cronin, Principal Consultant, Cronin Energy Consulting, Ireland

Power Supply Challenges – An Overview

Jacob Klimstra, Energy & Engine Consultant, Jacob Klimstra Consultancy, Netherlands

Integrating Very High Levels of Wind Penetration in Ireland

Andrew Cooke, Director of Operations, Eirgrid, Ireland

Invited Speaker:

Representative from Tennet

TRACK: STRATEGY FOR A CHANGING POWER SECTOR

Session 1: The Big Picture: Panel Discussion

Room: Rheinsaal 3, Second Floor

14:00 – 15:30

This session will address the major influences and global developments that will determine the power generation landscape in the next decades.

Chair: Ulla Pettersson, Director, e for energy Management Consulting, Sweden

Co-Chair: Anne Marie Hey, Managing Director, Dutch Gas Turbine Association VGT, Netherlands

Subsidies, Regulation and Nationalisation: New Strategies for Power Generators?

Martin Giesen, Chief Executive Officer, Advanced Power, United Kingdom

German Energiewende – A Blueprint for Future European Energy Landscape?

Oliver Klitzke, Business Leader Power & Water, GE GmbH, Germany

15:30 – 16:00 Delegate Coffee Break

TRACK: RENEWABLE ENERGY TECHNOLOGY

Session 2: Leading Marine Developments

Room: Rheinsaal 2, Second Floor

16:00 – 17:30

Although one of the more reliable forms of renewable energy, marine power is still at an early stage of its development and will require significant investment in order to reach its full potential. In this session, you will hear about the latest commercial technological advances from some of the major players of the industry

Chair: George Aggidis, Director, Lancaster University LUREG & LUFMG, Lancaster University, United Kingdom

An Overview of Leading Marine Developments

George Aggidis, Director, Lancaster University LUREG & LUFMG, Lancaster University, United Kingdom

Operational Experience of the HS1000 Tidal Turbine at EMEC

Craig Love, Turbine System Engineer, Andritz Hydro Hammerfest, Glasgow

Waves & Tides

*Representative from Alstom Power

*Invited/to be confirmed

TRACK: SOLUTIONS FOR INTEGRATION

Session 2: Technologies Delivering System Stability

Room: Rheinsaal 4, Second Floor

16:00 – 17:30

The more popular renewable technologies deliver intermittent generation and the challenge for system operators is to integrate renewables into a market that requires a stable, reliable and continuous supply of electricity at all times. This session reviews the technology available for delivering system stability where there is a significant presence of renewable capacity.

Chair: John Horner, Director, E for Energy UK, United Kingdom

Co-Chair: Giorgio Doderò, Chairman, IPG Industrial Project Group Srl, Italy

Integrating Energy Storage Systems into Electricity Transmission & Distribution Networks: Comparing the Technologies & the Italian Case

Giorgio Doderò, Chairman, IPG Industrial Project Group Srl, Italy

Virtual Power Plants for Smart Markets

Rüdiger Franke, Head Optimization Technology, ABB AG, Germany

Co-author:

Alexander Frick, Head of Process Optimization, ABB AG, Germany

Invited Speaker:

Antonio Lucio-Villegas Ramos, Director Brussels Office, Red Electrica, Spain

TRACK: STRATEGY FOR A CHANGING POWER SECTOR

Session 2: Strategies for Stadwerke & Utilities

Room: Rheinsaal 3, Second Floor

16:00 – 17:30

This session will focus on the boundary conditions for decisions that utilities and decentralized power generators will be facing

Chair: Wolfgang Benesch, Director Energy Technologies, STEAG Energy Services GmbH, Germany

Co-Chair: Ulla Pettersson, Director, e for energy Management Consulting, Sweden

Flexibilisation of Power Plants for Municipalities and Industrial Clients

Frank Schumacher, Regional Manager, North, Hitachi Power Europe Service GmbH, Germany

New Earning Models for Conventional Generation Assets in Future Energy Systems

Ronald Meijer, Service Line Principal Market & Regulations, DNV GL Energy, Netherlands

Renewable Energy Projects – There is no Need to Reinvent the Wheel

Dirk Neumann, Head of Studies & Renewables, STEAG Energy Services GmbH, Germany

Co-author:

Jürgen Marquard, Project Engineer, STEAG Energy Services GmbH, Germany

Preparing the Utilities for the Uncertainties in the Electricity Markets

Kenneth Engblom, Director, Marketing, Wartsila, Finland

17:30 – 19:00 Opening Reception

WEDNESDAY 4 JUNE

TRACK: RENEWABLE ENERGY TECHNOLOGY

Session 3: Challenges & Opportunities for Onshore Wind
Room: Rheinsaal 2, Second Floor

09:00 – 10:30

A fast developing market – this session will cover industry perspectives, project developer perspectives and technology supplier perspectives.

Chair: Leon Pulles, Senior Investment Consultant, Royal Haskoning DHV Investment Services, Netherlands

An Approach to Determine the Optimum Balance Between Wind Turbine Rotor Size & Generator Power Rating to Minimize Cost of Energy

Islam Elbahnasy, PhD Candidate, Graz University of Technology, Denmark
Co-author:

Katrin Ellermann, Head of the Institute of Mechanics, Graz University of Technology, Austria

Advanced Condition Monitoring of Wind Turbine for Early Warning & Diagnostic of Deviating Behavior: Promising First Results

Sébastien Grégoire, Technology Manager, Laborelec, Belgium
Co-author:

Koen De Bauw, Technology Manager, Laborelec, Belgium

Additional presentations to be announced

TRACK: SOLUTIONS FOR INTEGRATION

Session 3: A Responsive Grid
Room: Rheinsaal 4, Second Floor

09:00 – 10:30

The challenge providing a fail-save grid that is suited to manage the requirement of the future energy mix with renewables and conventional energy is as trend-setting as the development of the renewable technology itself. Connecting requirements, modeling systems and decentralized generation management are amongst others very important factors to be discussed in this session.

Chair: Norbert Dahlmann, Senior Manager, E.ON Anlagenservice, Germany

Grid Connection Verification of Power Generation in a Modern Power System Environment

Niklas Wägar, General Manager, Electrical & Automation, Wärtsilä Finland Oy, Finland

Co-authors:

Mats Östman, Senior Development Manager, Electrical & Automation, Wärtsilä Finland Oy, Finland

Srinivasa Addala Raju, Senior Chief Project Engineer, Wärtsilä Finland, Finland
Ilari Ristolainen, Development Manager, Electrical & Automation, Power Plant Technology, Wartsila Finland Oy, Finland

Short-term Power Production Planning Under Uncertain Activation of Control Power

Michael Burkhardt, Project Manager & Analyst, EnBW Trading GmbH, Germany

Smart Grids – Intelligent Management of Distribution Grids

Dirk Riesenberger, Sales Director, Bilfinger Mauell GmbH, Germany
Co-author:

Daniel Bier, Sales Manager, Bilfinger Mauell GmbH, Germany

TRACK: STRATEGY FOR A CHANGING POWER SECTOR

Session 3: Investing in Existing & New Assets - Strategic Options

Room: Rheinsaal 3, Second Floor

09:00 – 10:30

The power industry faces challenges to necessary investment both for new and existing, conventional and renewable projects. This session will explore strategies for making the most of existing assets and bringing forward investment in new projects.

Chair: Eric Adams, Client Engagement and Work Winning Director, Parsons Brinckerhoff, United Kingdom

Co-Chair: Wolfgang Benesch, Director Energy Technologies, STEAG Energy Services GmbH, Germany

Investing in Renewable Energy and Energy Efficiency in Emerging Europe and Central Asia. Mapping the Market for Commercial Investments

Patrick Avato, Lead, Climate Business, Europe and Central Asia, IFC (World Bank Group), Turkey

How to Optimize the Performance of Power Generation Assets: A Portfolio Risk Management Approach

Dale Probasco, Managing Director, Navigant Consulting Inc, United States

Risks and Barriers to Investment in the UK Renewable Energy Sector

Christopher Northwood, DE Lead - Pricing & Digital Engineering, Laing O'Rourke, United Kingdom

Co-author:

Azad Camyab, Chief Executive Officer, Stor Generation Limited, United Kingdom

Shifting the Paradigm: From go/no go to Flexible Investment Decisions

Emiel van Zwet, Investment Consultant, Royal HaskoningDHV, Netherlands

10:30 – 11:00 Delegate Coffee Break

TRACK: RENEWABLE ENERGY TECHNOLOGY

Session 4: The Hydro Opportunites

Room: Rheinsaal 2, Second Floor

11:00 – 12:30

Hydro Power is one of the oldest and most flexible renewable energy source, used since over 120 years for electrical power production. This session will give an overview about the new developments in Hydro Power technology and some examples of the application of this technology in projects, recently finalized

Chair: Mathias Meusburger, Head of Excitation Department, Andritz Hydro GmbH, Austria

An Overview of Hydrotech in Europe

Christian Bauer, Head of Institute, Vienna University of Technology, Institute for Energy Systems and Thermodynamics, Department of Fluid-Flow-Machinery, Austria

HPP Ashta, Albania: A Medium-Scale Run-Off-River Hydro Power Plant – First Operational Experience of the World's Largest HYDROMATRIX Powerplant

Dietmar Reiner, Managing Director, Energji Ashta Shpk (JV VERBUND/EVN), Austria

Novel Pumped Energy Storage Systems

George Aggidis, Director, Lancaster University LUREG & LUFMG, Lancaster University, United Kingdom

Technical Solutions & (Environmental) Mitigation Measures when Building New Energy Infrastructure

Matjaž Eberlinc, Assistant to Executive Manager, HSE d.o.o., Slovenia

TRACK: SOLUTIONS FOR INTEGRATION

Session 4: Smart Markets/Meters

Room: Rheinsaal 4, Second Floor

11:00 – 12:30

Smart Grids are paving the way for a new generation paradigm where decentralization will be crucial. The session will focus on how the market will evolve while maintaining safety, reliability and efficiency, all along with the use of smart meters as a means of two-way communication with the electric grid, helping managing the demand and increase services and reliability.

Chair: Antonio Ferreira Costa, Director, EDP Group – EDP Generation, Portugal

Innovative Home Energy Behavioral Management Enabling Dynamic Pricing and Consumption Tracking without Investing in Expensive Smart Meters

Amnon Samid, Chief Executive Officer, BitMint, Israel

Development of Smart Grids in Germany – Influencing Factors, Market Drivers and Barriers

Dirk Briese, Chief Executive Officer, trend:research GmbH, Germany

EVORA Smart City

Luis Cunha, Head of Development for Metering Processes & Innovation, EDP Distribution, Portugal

TRACK: STRATEGY FOR A CHANGING POWER SECTOR

Session 4: Finance & Risk

Room: Rheinsaal 3, Second Floor

11:00 – 12:30

This session will focus on the substantial challenges in financing traditional and new forms of power generation.

Chair: Tim Vink, Director Regulatory Affairs, Honeywell, Belgium

Co-Chair: Simon Hobday, Partner, Pinsent Masons, United Kingdom

Looking Ahead to 2020: Balancing Risk and Finance in Renewable Energy Projects

John Daly, Principal Lecturer, University of Portsmouth, United Kingdom

Co-authors:

Azad Camyab, Chief Executive Officer, Stor Generation Limited, United Kingdom

Liam O'Keefe, Director Project Finance, Credit Agricole, United Kingdom

Bribery and Money Laundering Crimes: A Risk that Companies operating in the Power Generation Sector face and must prevent

Umberto Penco Salvi, Partner, Clifford Chance, Italy

How do Regional Energy Funds Enable the Development of Renewable Energy?

Michiel Nijboer, Account Manager, Energy Fund Overijssel, Royal Haskoning DHV, Netherlands

Additional presentation to be announced

12:30 – 14:00 Delegate Lunch

JOINT PLENARY PANEL DISCUSSION

Navigating the Power Transition

Room: Konrad Adenauer Saal, Ground Floor

14:00 – 15:30

Open to all registered delegates

This session will be available to watch on a webcast via the internet. Visit www.powergeneurope.com for more information.

Moderator: To be announced

Mr. Thorston Herdan, Managing Director, VDMA, Germany

Dr. Roland Fischer, Chief Executive, Chief Executive Officer, Fossil Power Generation Division, Siemens AG, Germany

Prof. Emmanouil Kakaras, President, European Power Plant Suppliers Association, (EPPSA), Belgium

Mr John Easton, Vice President of International Program, Edison Electric Institute (EEI), United States

Mr. Jim Lightfoot, Chief Operating Officer, Gas-CCGT, E.ON Generation GmbH, Germany

15:30 – 16:00 Delegate Coffee Break

TRACK: RENEWABLE ENERGY TECHNOLOGY

Session 5: Europe's Solar Energy Future

Room: Rheinsaal 2, Second Floor

16:00 – 17:30

The next stage in implementation of solar concepts – this session will cover industry perspectives, project developer perspectives and technology supplier perspectives.

Chair: Leon Pulles, Senior Investment Consultant, Royal Haskoning DHV Investment Services, Netherlands

Co-chair: Alessandro Delladio, Managing Director, MEDEIRON Srl, Italy

An Overview of Europe's Solar Energy Future

Frans Van De Heuvel, Chief Executive Officer, Solarcentury, United Kingdom

Developments in PV Modules: From Euro/Wp to Euro/kWh

Wilma Eerenstein, Senior Manager PV Modules & Applications, Energy Research Centre of The Netherlands (ECN), Netherlands

Co-authors:

Bas van Aken, Researcher, Energy Research Centre of The Netherlands (ECN), Netherlands

Anna Carr, Senior Researcher, Energy Research Centre of The Netherlands (ECN), Netherlands

Ian Bennett, Senior Researcher, Energy Research Centre of The Netherlands (ECN), Netherlands

Title to be confirmed

Nicholas Strevel, Technical Sales Manager, First Solar, United States

TRACK: SOLUTIONS FOR INTEGRATION

Session 5: Dynamic Power Technologies

Room: Rheinsaal 4, Second Floor

16:00 – 17:30

Electricity supply systems with a substantial installed capacity of wind and solar based generation need more agile and flexible back-up generation in order to keep the system stable in case of calamities and to properly compensate for forecasting errors.

Chair: John Epps, Energy Consultant, John A. Epps Consulting, United Kingdom

Co-Chair: Jacob Klimstra, Energy & Engine Consultant, Jacob Klimstra Consultancy, Netherlands

Enabling Cost Effective Integration of Renewable Energies in Microgrids with Intelligent Genset Controller

Burkhard Dittmann, Product Line Manager, Woodward GmbH, Germany

New Switchgear & Control for Networks Facing Increasingly more Complex Energy Flows & Load Imbalances

Andrew Michael, Technical Director, EPS UK Ltd, United Kingdom

Flexible Generation for Providing Maximum Power Supply Security

Mikael Wideskog, General Manager, Gas Plants, Wärtsilä, Finland

Engine Technology

Representative from GE Jenbacher

TRACK: STRATEGY FOR A CHANGING POWER SECTOR

Session 5: Decentralised Generation & System Integration

Room: Rheinsaal 3, Second Floor

16:00 – 17:30

Chair: Frank Hoese, Head of Sales, Steam Power Plant Solutions, Siemens Energy, Germany

Co-Chair: Rüdiger König, Head of International Nuclear Development, RWE Technology GmbH, Germany

Ideas to Stabilise the Grid and Balance the Demand just in Time in View of the German Situation

Wilhelm Kleffner, Independent Power Consulting, Wilhelm Kleffner Consulting, Germany

Optimal Balancing Products for Cross Border Trade in Power Systems with High Shares of Renewables

Melle Kruisdijk, Market Development Director, Wärtsilä Corporation, Power Plants, Netherlands

Co-authors:

Mats Ostman, Senior Development Manager, Electrical & Automation, Power Plant Technology, Wartsila Finland Oy, Finland

Niklas Wagar, General Manager, Electrical & Automation, Power Plant Technology, Wartsila Finland Oy, Finland

Can Hybrid Diesel Plants be Secure Investments?

Jeremy Wiles, Smart Generation Solutions - Solution Manager, Siemens AG, Germany

Co-authors:

Joachim Bamberger, Head of Solution Development, Siemens AG, Germany

Florian Steinke, Research Scientist, Siemens AG, Germany

Installed Base and Flexibility: New Realities for the European Power Sector

Philippe Paelinck, Vice President, Portfolio & Strategic Positioning, Alstom Power, France

17:00 – 19:00 Networking Reception

TRACK: RENEWABLE ENERGY TECHNOLOGY

Session 6: Biomass & Waste

Room: Rheinsaal 2, Second Floor 09:00 – 10:30

The session will focus on the latest advances in the thermal conversion technologies based on waste and biomass with the focus on power production.

Chair: Markus Bolhar-Nordenkampf, Director of Technology, Metso Power, Austria

State of the Art of Biomass & Waste Thermal Conversion Technologies

Markus Bolhar-Nordenkampf, Director of Technology, Metso Power, Austria

Experience from the Operation of Austria's First Medium-Size Sewage Sludge Mono-Incineration Plant in Großwilfersdorf/Austria

Andreas Glatzer, Technical Director, KALOGEO Anlagenbau GmbH, Austria

Co-author:

Hermann Schild, Process Engineer, KALOGEO Anlagenbau GmbH, Austria

Advanced Combustion Units for Biomass the Pathway to Address Small Scale Bioenergy Power Plant Market

Florian Castagno, Technology & Innovation Manager, Areva, France

Co-authors:

Marine Peyrot, R&D Project Manager, CEA, France

Carsten Lange, Head of New Technologies & Products, Areva, Germany

Frédérique Damerval, Deputy Innovation Director, Areva, France

Gilles Enderlin, Tender Manager for New Technologies and Prod, Areva Germany

Hans-Joachim Gehrman, Group Leader Combustion Technology, Karlsruhe Institute of Technology, Germany

RDF Combustion & Gasification Technologies for High Efficient Energy Production

Frank Ligthart, Director of Waste to Energy, Valmet Oy, Finland

TRACK: SOLUTIONS FOR INTEGRATION

Session 6: Energy Storage

Room: Rheinsaal 4, Second Floor

09:00 – 10:30

Energy storage is the required answer to increase grid stability collecting unused energy after the recent addition to the generation mix of a critical mass of intermittent renewables.

Chair: Giorgio Dodero, Chairman, IPG Industrial Project Group Srl, Italy

Liquid Air Energy Storage (LAES): From Pilot Plant to Multi MW Demonstration Plant

Emma Gibson, Director of Operations, Highview Power Storage, United Kingdom

Thermal Energy Storage System in Critical Applications and Grid Operation

Stephane Bilodeau, President, Groupe Enerstat inc., Canada

Liquid Air Energy Storage (LAES) Development Status and Benchmarking with other Storage Technologies

Brian Stöver, Process Engineer, Hitachi Power Europe GmbH, Germany

Co-authors:

Christoph Stiller, Head of Energy Production and Storage, Clean Energy Technology, Linde AG, Germany

Sebastian Rehfeldt, R&D Project Manager, Hitachi Power Europe GmbH, Germany

Alexander Alekseev, Task Manager, Innovation Management/Clean Energy, Linde AG, Germany

Impact of Storages on Grid Operations

Dirk Briese, Chief Executive Officer, trend:research GmbH, Germany

TRACK: STRATEGY FOR A CHANGING POWER SECTOR

Session 6: Market Design for the Future

Room: Rheinsaal 3, Second Floor

09:00 – 10:30

Focus on changes in energy mix. This session will address the market changes that need to be implemented to accommodate future energy mix.

Chair: Fabien Roques, Senior Vice President, Compass Lexecon, France

Co-Chair: Tamer Turna, Chief Executive Officer, Yidirim Energy Investments Inc., Turkey

Utilities in 2050 – Hypotheses for the Future of the Industry

Rolf Adam, Director, Energy & Smart Grid EMEAR, Cisco, Germany

Co-author:

Angella Kelemen, Speaker Placement Consultant, Cisco, United States

Market Design to Reveal the Value of Flexibility

Matti Rautkivi, General Manager, Liaison office, Wärtsilä, Finland

Distorted Energy Market: The Need for a New Energy Market Design for the Future

Andreas Herden, Head of Division, Mutli-Client-Studies, trend:research GmbH, Germany

Co-author:

Dirk Briese, Chief Executive Officer, trend:research GmbH, Germany

Energiewende – The Transition of a Power System Requires a new Power Market Design

Samuel Alt, Senior Consultant for Political Communication, Siemens AG Energy Sector, United Kingdom

10:30 – 11:00 Delegate Coffee Break

CONFERENCE PROGRAMME

THURSDAY 5 JUNE

TRACK: RENEWABLE ENERGY TECHNOLOGY

Session 7: Operation & Control of Renewable Technologies
Room: Rheinsaal 2, Second Floor
11:00 – 12:30

Session discussing innovative technologies and analysis tools to achieve reliable and cost effective automation, control, monitoring, maintenance and optimization.

Chair: George Aggidis, Director, Lancaster University LUREG & LUFMG, Lancaster University, United Kingdom

Increase the Value of Renewable Plants with Remote Management Systems

Adrian Timbus, Product Manager, ABB, Switzerland

Co-authors:

Luca Cicognani, Head of Renewable Automation Unit, ABB, Italy

Andrea Trebiani, Global Program Manager, Remote Services for Renewables, ABB, Italy

Techno-Economic Impact Analysis of Electric Vehicles on the Transmission & Distribution Grid

Jos Burgt, Consultant, DNV GL, Netherlands

Water Level Regulation with Matrix Turbines

Fabio Monteiro, Project Manager - Energy Management Systems, Andritz Hydro GmbH, Austria

Technical & Economic Operation of Renewable Power Plants – from Monitoring to Intelligent Control

Eberhard Ritzhaupt-Kleissl, Solution Manager, Siemens AG, Germany

TRACK: SOLUTIONS FOR INTEGRATION

POWER-GEN EUROPE & RENEWABLE ENERGY WORLD EUROPE JOINT SUMMARY SESSION

Room: Rheinsaal 5

11:00 – 12:30

Designed to bring together the many strands of discussion and debate across Renewable Energy World Europe and POWER-GEN Europe, this final session will provide an easily digestible takeaway from the conferences as a whole. Our panellists, who have been involved in chairing sessions throughout the three days, will share their views on what the key outcomes have been and the challenges rose. It is also an opportunity for delegates to comment and pose questions during the session.

Chair: Nigel Blackaby, Director of Conferences, PennWell International Power Group, United Kingdom

Event Review by: Jacob Klimstra, Energy and Engine Consultant, Jacoan Klimstra Consultancy, Netherlands

TRACK: STRATEGY FOR A CHANGING POWER SECTOR

Session 7: Policy, Regulations & Capacity Mechanisms
Room: Rheinsaal 3, Second Floor
11:00 – 12:30

This session will focus on the predictability, reliability and availability of power and the adequacy of the underlying policies and regulations.

Chair: Anne Marie Hey, Managing Director, Dutch Gas Turbine Association VGT, Netherlands

Co-Chair: Michael Aherne, Manager Services, Electricity Supply Board, Ireland

The German Energy Market – The Only Thing Constant is Change ...and How Does it Influence the Neighbor Countries and What do Europeans Think About the "Energiewende"?

Frank Schillig, Managing Director, KWA Eviva GmbH, Germany

Where is Moving the Electricity Sector and How are Electric Industry Investment Decisions Influenced by Potential Instability in the Regulatory Environment

Giorgio Doderio, Chairman, IPG Industrial Project Group Srl, Italy

Business Opportunities Drive Solutions

Andreas Pickard, R&D and Innovation Manager, Siemens AG, Energy Sector, Germany

Capacity Incentives

Jeremy Thomas, Partner, Volta Consulting, United Kingdom

12:30 – 14:00 Delegate Lunch

14:00 – 16:00 Closing Reception & Best Paper Awards

Renewable Energy World Europe Advisory Board

PennWell wishes to thank the individual members of the Renewable Energy World Europe Advisory Board for the generous donation of their time and expertise in the production of the 2014 conference programme.

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PennWell wishes to thank the individual members of the Renewable Energy World Europe & POWER-GEN Europe – Joint Integration Track Advisory Board for the generous donation of their time and expertise in the production of the 2014 conference programme.

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EXHIBITORS

Welcome. Renewable Energy World Europe is proud to provide its exhibitors with a fresh new take on exhibit floor plan interactivity. With the digital age upon us—and an ever-increasing demand for visual and hands-on functionality, we've invested in a unique floor plan environment for our attendees to navigate and learn all about your company.

WHAT DOES THIS ENHANCED ATTENDEE EXPERIENCE DO FOR RENEWABLE ENERGY WORLD EUROPE EXHIBITORS?

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Renewable Energy World Europe has experience working with exhibiting companies of all sizes – and with varying budgets. Our team has strategically developed multiple options for the *Interactive Floor Plan*, designed to cater to each of our exhibitors' goals and capabilities.

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* Elite Package also includes 2 video uploads and a floor plan banner.

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WANT MORE EXHIBITOR INFORMATION?

If you're already an exhibiting company at POWER-GEN Europe and need more information or help, contact:

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KARINA PHAROAH: KARINAP@PENNWELL.COM OR +44 (0) 1992 656615

EXHIBITOR COMMITTEE

Green = Renewable Energy World Europe

Black = POWER-GEN Europe

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There are still opportunities to exhibit at RENEWABLE ENERGY WORLD EUROPE, the continent's largest exhibition and conference dedicated to electric power generation.

WHY EXHIBIT?

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WHO WILL BE YOUR AUDIENCE?

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- Independent power producers
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- Power / heat plant owners & operators
- Plant service sector
- Project developers & managers
- Fuel suppliers
- Design/structural/construction engineers
- Industrial facilities personnel
- Mechanical/electrical/plant engineers
- Strategic and portfolio investors
- Industry consultants and advisers
- Energy traders
- Trade Press

WHY GERMANY?

- With 82.1 million inhabitants at the end of 2010, Germany is Europe's most industrialized and populous country
- Total electricity production in Germany in 2009 was 593 TWh, while total consumption stood at 510 TWh.
- The German electricity market has four major companies, RWE, E.ON, Vattenfall Europe and Energie Baden Wurttemberg (EnBW), as well as 60 regional and around 800 local or municipal providers.
- Germany has 15.29 billion m3 of natural gas and has reserves of 175.6 billion m3.
- Germany's nuclear power plants, which supply 23% of the country's electricity, will all be closed by 2022.
- Germany has 17 nuclear power plants with a combined capacity of 20,339 MW. At present 8 of these are not in operation and under the current policy, are unlikely to be brought back into service.
- Electricity generated from wind, biomass, hydropower, solar and geothermal energy provided 16.3 per cent of German consumption in 2009.
- 21,607 wind turbines with a total capacity of 27,215MW were installed in Germany by the end of 2010.
- Germany's decision to close down its nuclear capacity by 2022 leaves an energy gap which will, according to most observers, be met by a combination of renewable and increasingly efficient fossil fired generation.

WHO ATTENDS RENEWABLE ENERGY WORLD EUROPE?

ATTENDEE BY REGION

ASEAN	2.80%	Australasia	0.11%
North Asia	1.37%	EU	76.50%
Central Asia	0.60%	Non-EU	10.79%
North America	5.10%	Middle East	1.58%
Central America	0.11%	North Africa	0.22%
Latin America	0.24%	Africa	0.56%

ATTENDEES BY ORGANIZATION

Power Generation Utility	15.8%
Local or Central Government	2.7%
Energy Advisory or Planning Agency	3.7%
Aid Agency	0.7%
Research or Training Establishment	9.4%
Large Energy User	2.0%
Company Involved Directly in Renewables	14.4%
Own/Manage a Renewable Energy Site	3.0%
Manufacturer of Complete Renewable Energy Systems	7.4%
Consultants in Renewable Energy	17.8%
Architecture/Construction	8.4%
Other	14.8%

EXHIBIT AT RENEWABLE ENERGY WORLD EUROPE

Job Function	
Administration/Management	41.4%
Research/development	19.0%
Production/Process	6.4%
Quality Control/Assurance	4.3%
Purchasing	10.7%
Other (please specify)	18.1%

Sectors of Interest	
Biomass power	7.7%
Biomass heating	3.4%
Energy efficient architecture	4.4%
Finance	2.0%
Geothermal power	1.7%
Hydro power	6.7%
Marine power	1.0%
Photovoltaics	11.4%
Policy	0.3%
Rural electrification	4.0%
Solar thermal power (CSP)	3.0%
Solar heating/cooling	4.7%
Utility-scale renewables	0.7%
Wind power	8.7%
All of the above	34.2%
Other	5.4%
Renewable Energy	0.7%

EXHIBITOR PACKAGE

Exhibit space only rate is €440.00 per sq. mtr. (min. 3mx3m) of exhibit space.

Shell scheme package rate is €570.00 per sq. mtr. (min. 3mx3m) of shell scheme, which includes exhibit space, shell scheme walls, one (1) table, two (2) chairs, three (3) spot lights, one (1) plug socket, one (1) waste basket, company ID sign on each open side, and standard carpet with each 3m x 3m unit. Electrical requirements must be ordered and paid separately.

NOTE: Other discounts may apply. All Discounts are taken at the time of signing and apply to raw space only.

MULTI-SHOW DISCOUNT

Exhibit at four or more Renewable Energy World shows in 2014 and receive 10% discount or at three shows and receive a 5% off raw space only. Shows include Renewable Energy World Europe 2014, Renewable Energy World Asia 2014, Renewable Energy World India 2014, and Renewable Energy World North America 2014.

ENHANCED EXHIBITOR LISTINGS

In addition to the exhibit space mentioned above, you will receive a compulsory basic listing on the Exhibition website's interactive online floor plan at a flat rate of €395.00. This online listing includes company name, booth number, address, phone, fax, email address, website URL, company contact, 50-word company description, company logo, three (3) product listings and three (3) product categories, social media icons; as well as a 35-word standard listing in the official print show guide. This fully searchable interactive floor plan will give your buyers access to your information and provide an opportunity for you to communicate with potential customers before, during and after the Exhibition.

Gold Listing Package €550.00; includes - (i) online – company name, booth number, address, phone, fax, email address, website URL, company contact, 100-word company description, full-colour company logo in listing, seven (7) product listings and seven (7) product categories, one (1) show special alert, up to two (2) press release postings, social media icons, and (ii) print – official show guide – company name, booth number, address, phone, fax, email address, website URL, company contact, and 75-word bolded company description and full-colour company logo.

Platinum Listing Package €675.00; includes - (i) online – company name, booth number, address, phone, fax, email address, website URL, company contact, 150-word company description, full-colour company logo in listing as well as in your booth (6mx6m or larger) on the online floor plan, ten (10) product listings and ten (10) product categories, five (5) show special alerts, up to four (4) press release postings, enhanced listing icon, social media icons, one (1) video, and (ii) print – official show guide – company name, booth number, address, phone, fax, email address, website URL, company contact, and 150-word bolded company description and full-colour company logo.

Elite Listing Package €1295.00; includes - (i) online – company name, booth number, address, phone, fax, email address, website URL, company contact, 150-word company description, full-colour company logo in listing as well as in your booth (6mx6m or larger) on the online floor plan, twenty (20) product listings and twenty (20) product categories, ten (10) show special alerts, up to eight (8) press release postings, enhanced listing icon, social media icons, two (2) videos, one (1) floor plan banner logo on bottom of floor plan with click through and (ii) print – official show guide – company name, booth number, address, phone, fax, email address, website URL, company contact and 150-word bolded company description and full-colour company logo.

(NOTE: Upgrade Package prices are a flat fee per Exhibitor, inclusive of the compulsory basic listing charge. All listing word counts are estimates based on average characters per word which may vary).

For further information please contact:

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CONTACTS

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W: www.aspectuspr.com

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HFN Kommunikation GmbH
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E: kfbrenner@hfn.de
E: karinap@pennwell.com

BEST PAPER AWARDS & CLOSING CEREMONY →

Thursday 5 June 2013
15:00 – 16:00

The ever popular Best Paper Awards will be presented for the Renewable Energy World Europe conference, as well as speakers from POWER-GEN Europe. Judges from the expert conference programme Advisory Boards from both events will choose a Best Paper Award winner from each of the conference tracks with the judging criteria based on outstanding concept and content.

There will also be two highly commended papers in each category. Winners of these prestigious awards are recognized by the industry as being the 'best of the best' and we wish all eligible speakers the very best of luck.

Win an Apple iPad

All delegates can enter a prize draw for an Apple iPad by completing a questionnaire form during the course of the event and being present at the time of the draw during the closing reception.

The presentation of the conference Best Paper Awards, delegate questionnaire prize draw for an Apple iPad and closing reception for all participants of POWER-GEN Europe and its sister event Renewable Energy World Europe will begin at 15:00 on Thursday 5 June.



THE UTILITY PARTNER PROGRAMME (UPP)

If you work for a utility company you are entitled to all of these benefits!



Now in its fifth year and growing ever more successful, the Utility Partner Programme (UPP) continues for 2014. The UPP places utilities at the heart of PennWell's European power events, and offers a range of exclusive discounts and benefits to employees from this sector of the power generation industry. The Utility Partner Programme affords privileges to member companies and their employees attending PennWell's power events, enabling them to network with utility peers and meet with the supplier market. If you represent a utility company or power producer, collect your UPP ribbon at registration and join your peers in the UPP lounge in Hall B.

UPP MEMBER DELEGATES RECEIVE:

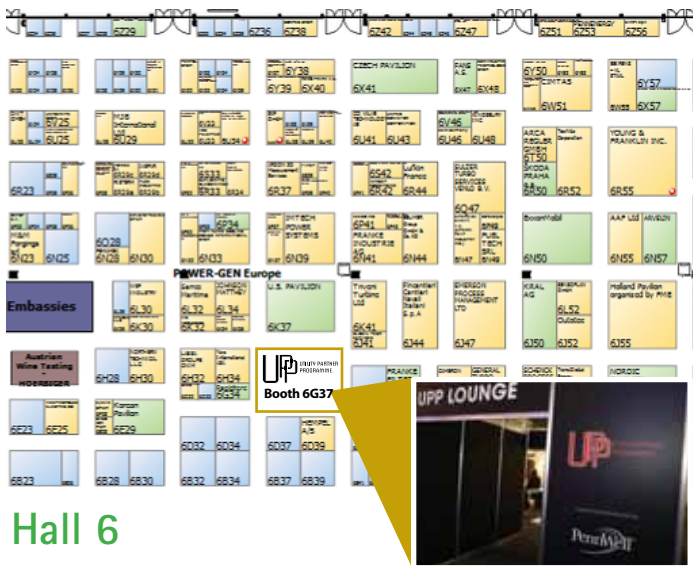
- Discounted delegate rates
- Fast-Track entry at a dedicated utility registration desk
- Access to a members-only UPP lounge on the exhibition floor, with comfortable seating, meeting room & networking areas, complimentary refreshments and a range of IT facilities
- Over 270 presentations under one roof
- Access to the exhibit floors with over 500 exhibitors
- Lunch for all three days
- Conference proceedings

UPP Delegate Rates

- Book on or before the 16 May (Early Bird) - €705 (a saving of €300)
- Book after 16 May - €805 (a saving of €200)

To join your utility peers at the premier European power event you can register online via the event website or contact:

Amy Nash
Utility Liaison Manager
T: +44 (0)1992 656 621
E: amyn@pennwell.com



Hall 6

Employees from the following utility companies have already registered for the Utility Partner Programme:

- | | |
|-----------------------|------------------------|
| ENEL | EDF |
| STEAG Energy Services | OMV |
| E.ON | Fortum |
| EVN | RWE Power |
| Çalık Enerji | Gazprom |
| GDF SUEZ | CEZ |
| EDP Generation | EnBW |
| Delta Energy | ELEM |
| Enipower | Saudi Electric Company |
| ABENGOA | Vattenfall |

For the full list of Utility companies enjoying the benefits of the Utility Partner programme at POWER-GEN Europe and Renewable Energy World Europe 2014 please see the event websites:

www.powergeneurope.com
www.renewableenergyworld-europe.com



World's #1 | Renewable Energy Network

YOUR ONE SOURCE FOR NEWS, EVENTS, INFORMATION & JOBS



Now all of your renewable industry answers, updates, issues, news, trends, education, information exchange, networking and new products can be found IN ONE SOURCE.

Grow your business with the largest, most trusted renewable energy network in the world. Get news and information in both digital and print format, participate in trade show and conference events worldwide, understand global markets and discover expert resources for technology, finance and policy knowledge. For more information about the Renewable Energy World Network visit: www.RenewableEnergyWorld.com

Online

Visit us online at www.RenewableEnergyWorld.com



World's #1 Renewable Energy Network for News & Information offers online news, webcasts and videocasts PLUS lead generation banner and e-newsletter advertising. Also including online product and company directories, job postings, events calendar, commentary, blogs, technology basics and much more. Featuring online article access to Renewable Energy World Magazine, HRW - Hydro Review Worldwide and Hydro Review — and worldwide Renewable Energy World network events.

Events

Participate in the World's Largest Renewable Energy Events

Connecting thousands of renewable energy professionals, these events provide a catalyst for networking, new business negotiation and the exchange of important ideas and information impacting the renewable energy industry today.



June 3 - 5, 2014 • Cologne, Germany
June 16 - 18, 2015 • Amsterdam, The Netherlands

Renewable Energy World Europe is the 'must attend' event for the renewable industry. Major players attend to participate in the debate about issues affecting the market sector and hear about the latest technologies and strategies. www.renewableenergyworld-europe.com



December 9 - 11, 2014 • Orlando, Florida, United States
December 8 - 10, 2015 • Las Vegas, Nevada, United States

Renewable Energy World Conference & Expo North America is the leading all-renewables event in North America. It is the industry's premier forum for technical and strategic discussion on critical topics and serves as the premier springboard for renewable into the mainstream market. www.renewableenergyworld-events.com



May 5 - 7, 2014 • New Delhi, India

Renewable Energy World India brings together leading experts from around the globe to address important strategic and technical issues and investment opportunities in a region with huge growth potential as well as showcase the latest technologies serving the renewable energy industry. www.renewableenergyworldindia.com



Magazines

Be Informed, Advertise with the World's Largest Renewable Energy Information Provider

Renewable Energy World Magazine is the global magazine for all renewable energy professionals - distributed to more than 52,000 subscribers worldwide. Each issue of Renewable Energy World provides vital information for business-to-business success with expert insight into renewable energy markets, technology, policy and finance from the world's most active regions. Whether you're interested in wind, solar, hydro, biomass, geothermal, or tidal power, we have the award-winning information you need to increase competitiveness and understand the global implications of these technologies within the world's key markets.

www.RenewableEnergyWorld.com

Hydro Review continues to offer practical, useful information, helpful examples, and constructive guidance from experts. News and articles in Hydro Review - the magazine of the North American hydro industry- focus on industry trends, equipment, operations and maintenance, rehabilitation, new development, dam safety, environmental effects and much more!

www.HydroWorld.com

HRW - Hydro Review Worldwide Magazine shares practical, technical information and expertise on hydroelectric power production with around 10,000 subscribers in Europe, Asia, South America, Africa and Oceania providing the largest international coverage of hydroelectric and dam professionals. Content is aimed at developers, owners and operators of hydroelectric plants, regulators, financiers, legal specialists, service providers, engineering / environmental consultants and equipment providers.

www.HydroWorld.com



September 10 - 12, 2014 • Kuala Lumpur, Malaysia
September 1- 3, 2015 • Bangkok, Thailand

Renewable Energy World Asia provides the platform for international renewable executives to meet face-to-face with key decision makers and provides the best possible to share ideas, meet new contacts and build business relationships. www.renewableenergyworld-asia.com



July 22 - 25, 2014 • Nashville, Tennessee, United States
July 14 - 17, 2015 • Portland, Oregon, United States

HydroVision International is the largest gathering of hydro professionals worldwide. Key industry players attend the informative hydropower-focused meetings, workshops, tours, an extensive program and exhibition, exploring issues affecting hydro resources, and help participants develop a vision to meet challenges and ensure the future sustainability of hydro. www.hydroevent.com



March 4 - 6, 2014 • Moscow, Russia
March 3 - 5, 2015 • Moscow, Russia

HydroVision Russia is an exciting conference and exhibition for the Russian hydro power industry. HydroVision Russia comprises a high level conference and exhibition addressing the latest technological developments and solutions in hydropower. www.hydrovision-russia.com



October 21 - 23, 2014 • Sao Paulo, Brasil

Latin America's newest event focused on advancing the development of the region's hydroelectric power and dams/civil structures sectors. HydroVision Brasil provides a strategic platform for introducing the region's wealth of development opportunities and expertise to the rest of the world's hydropower market. www.powerbrasilevents.com

HOTELS

DISCOUNT FLIGHTS



Events in Focus has once again been appointed as the official travel company for the 2014 Renewable Energy World Europe and POWER-GEN Europe Conference and Exhibition.

Due to the high demand for hotel accommodation for this event we are advising exhibitors and visitors to make their bookings early.

Events in Focus is a market leader in accommodation, travel and on-site management for worldwide events. Offering competitive rates at a wide range of hotels including transfers, meet and greet, organising private functions and dinners during this event.

For more information, please contact

Silviya Gocheva

Executive – International Events/Conferences

Direct Line: +44 (0)207 902 7765

Fax: +44 (0) 207 633 9427

Email: sg@eventsinfocus.net

ABOUT COLOGNE

Cologne as the oldest major city in Germany was founded by the Romans and has been elevated to the status of a city in the year 50 A.D.. Thanks to its eventful past Cologne offers innumerable historical and cultural treasures.

Today Cologne is the gem of Germany's Rhineland region. The modern city stands for a centre of national business and commerce, particularly in media and communications.

The cosmopolitan metropolis on the banks of the river Rhine boasts about one million inhabitants and - despite its size - has never lost its neighbourly character. The captivating mixture of tradition and progress make Cologne a must-visit city when in Germany.



SAVE UP TO 20% ON TRAVEL WITH THE STAR ALLIANCE™ NETWORK



The Star Alliance member airlines are pleased to be appointed as the Official Airline Network for POWER-GEN Europe and Renewable Energy World Europe. Registered participants plus one accompanying person travelling to the event can qualify for a discount of up to 20%, depending on fare and class of travel booked.

The participating airlines for this event are:

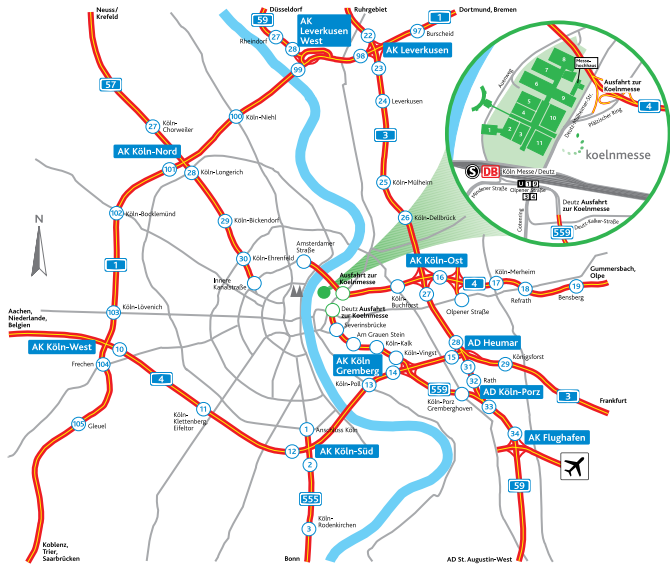


Discounts are offered on most published business and economy class fares, excluding website/internet fares, senior and youth fares, group fares and Round the World fares.

For further information, please visit:

www.renewableenergyworld-europe.com and select the TRAVEL INFO navigation tab.

MAP & DIRECTIONS



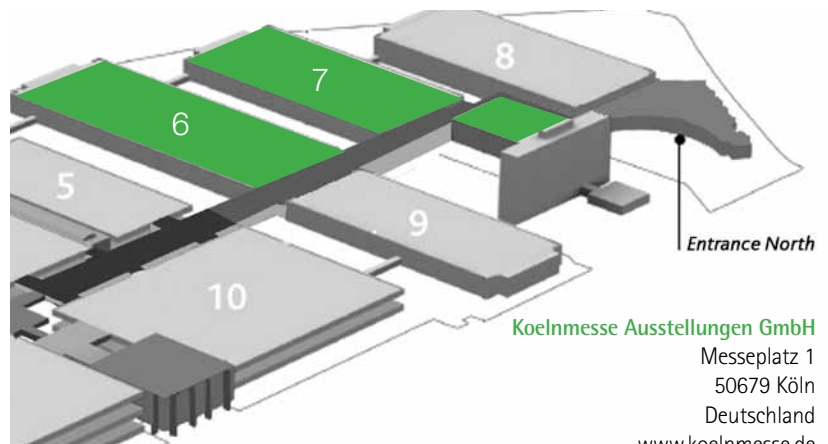
Die Koelnmesse The Koelnmesse

- A** Tor Gate
- P** Parkplatz Parking
- ♠** Fußweg Pedestrian Route
- TAXI** Taxi Taxi
- Shuttle Bus** Pendelbus Shuttle-Bus
- U** U-Bahn Subway
- Tram** Straßenbahnhaltestelle Tram Stop
- Fähre** City/Hbf Ferry: City/Central Station
- DB** Bahnhof Train Station
- S** S-Bahn Suburban Railway
- S13** S-Bahn Koelnmesse – Flughafen Köln/Bonn Suburban Railway Koelnmesse – Cologne/Bonn Airport



ACCESS TO THE EXHIBITION AND CONFERENCE

POWER-GEN Europe and Renewable Energy World Europe will be held in Halls 6 & 7 of the Koelnmesse in Cologne. The Koelnmesse is situated on the bank of the river Rhine directly opposite the Cathedral, the Old Town and the main railway station. Access to the exhibition and conference area is via the North Entrance.



Koelnmesse Ausstellungen GmbH
 Messeplatz 1
 50679 Köln
 Deutschland
www.koelnmesse.de

PRESS OFFICE, PR & SOCIAL MEDIA



Aspectus PR and its German partner agency HFN are the authorized Public Relations consultancy for Renewable Energy World Europe.

As an exhibitor you have many opportunities to promote your organisation's presence at the event. The closer you work with Aspectus PR and HFN the more likely the event will be a success for you. **DON'T MISS OUT** – it doesn't cost you anything and there are many different ways exhibitors can get involved in the PR campaign including:

By-lined opinion articles

There are a number of European publications that are keen to receive by-lined articles from exhibitors in all languages. If you send us an 800-1000 word thought leadership article we will try to place it for you. To secure the placement of your articles they will need to be opinion based and non-company or product-centric. For style guidelines please contact Aspectus PR. The deadline for receiving by-lined article content is 3 March 2014

Quotes for your press releases

If you are sending out a press release and would like to include a quote from the organisers of the event Aspectus can help get an appropriate expert to provide comment.

In-house publications and website promotion

If you run an in-house publication and would like to publish a preview of the show alongside what you will be doing at the event to distribute internally or to your clients and partners, or would like to promote your presence at the event on your website Aspectus can assist with content, logos and images.

Daily Newspaper

The show daily newspaper TODAY is produced by the editorial team behind Power Engineering International and Renewable Energy World. It briefs readers on the latest news from the events and covers new product launches on the show floor, conference sessions and the latest power news from around the world. For editorial contributions, please contact Kelvin Ross, pgedaily@pennwell.com For advertising opportunities, please contact: Asif Yusuf, asify@pennwell.com

Video Daily

A video daily will be produced each day covering news and opinions from the show floor and conferences. To get involved please contact:

- Crispin Coulson crispinc@pennwell.com or
- Mahmood Al-Yousif mahmood1@gulfbroadcast.tv

Press Room

Exhibitors can display press kits, releases and notices in the press room during the event. Please bear in mind that most journalists prefer to receive press packs on a memory stick or CD so they don't have to carry heavy materials around with them.

The press room is for the sole use of visiting journalists, who will be given details of all press conferences or other planned press events Aspectus PR is made aware of. If your organisation is planning any press activity at the event please ensure you inform Aspectus PR as soon as possible.

POWER-GEN blog

You can keep up-to-date with everything happening at the show by visiting the POWER-GEN Europe 2014 blog: <http://pgeevents.wordpress.com>. We also welcome guest blog posts from exhibitors, please contact Aspectus for more opportunities

LinkedIn

Keep up to date with all the latest information about the events and make contact with other exhibitors, speakers and visitors through our LinkedIn Groups here:

- POWER-GEN EUROPE
<http://linkd.in/KNOLb7>
- RENEWABLE ENERGY WORLD EUROPE
<http://linkd.in/1a5ZXZv>

Twitter

For up-to-date industry news and event and conference announcements, you can also follow each show on Twitter by visiting the following links:

- www.twitter.com/POWERGENEUROPE
- www.twitter.com/RENEWENERGYWEUR

Please use the hashtags #PGE14 and #REWE14 when mentioning the event on any social media sites.

Facebook:

You can also find out more of our Facebook page which will be regularly updated throughout the campaign:

- <https://www.facebook.com/pages/POWER-GEN-Europe/166719146937>
- <https://www.facebook.com/pages/Renewable-Energy-World-Europe/186298976215>



PR Contacts

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Crispin Coulson

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Choose one of four easy ways to register:

- Complete and fax this form to: +1 918 831 9161 or 888 299 8057 (toll-free within U.S.)
- Mail this form to: Conferences and Exhibitions, Registration, P O Box 973059, Dallas, TX 75397-3059, USA
- Register online at: www.renewableenergyworld-europe.com
- Email: registration@pennwell.com

Registration Enquiries

- 888-299-8016 (toll-free within U.S.)
- +1-918-831-9160 (outside of U.S.)
- Hours: 8:00 a.m. 5:00 p.m. CDT, Monday through Friday



PLEASE PRINT LEGIBLY

First Name: _____ Family Name: _____

Position/Job Title: _____

Organization: _____

Complete mailing address: _____

Tel (please include country code): _____

Email: _____ Fax (please include country code): _____

Confirmations will be sent by email if a unique email address is given

I would like to receive/continue to receive a complimentary digital subscription to: Renewable Energy World Yes No

Email address is required for digital delivery _____

Signature _____ Date _____

1. TYPE OF COMPANY/ORGANIZATION

(Please tick ONE only)

- 04 Ad Agency
- 11 Architecture/Construction/Engineering
- 07 Company involved directly in Renewables
- 10 Consultants in Renewable Energy
- 03 Energy Advisory or Planning Agency
- 12 Independent Power Producer
- 13 Installation - Large Scale Project
- 14 Installation - Residential/Commercial
- 15 Interested Consumer/Individual
- 16 Investor in Renewable Energy
- 06 Large Energy User
- 02 Local or Central Government
- 09 Manufacturer of Complete Renewable Energy Systems
- 17 Manufacturer/Vendor/OEM
- 08 Own/Manage a Renewable Energy Site
- 01 Power Generating Utility
- 05 Research or Training Establishment
- 18 Self Generators in Process Industry
- 98 Other (describe) _____

2. WHAT IS YOUR JOB FUNCTION?

(Please tick ONE only)

- 01 Executive/Administration Management
- 06 Consultants in Renewable Energy
- 07 Developers
- 08 Engineering Management
- 09 Engineering Staff
- 10 Installers/Integrators
- 03 Production/Process

- 05 Purchasing
- 04 Quality Control/Assurance
- 02 Research/Development
- 98 Other (describe) _____

3. WHICH AREAS OF RENEWABLES ARE YOU MOST INTERESTED IN?

(Please tick ALL that apply)

- 01 Biomass Power or Chip
- 16 Concentrating Solar Power
- 17 Energy Efficiency
- 18 Energy Storage
- 04 Finance
- 05 Geothermal
- 19 Green Power
- 20 Hydrogen - Fuel Cells
- 07 Hydropower
- 21 Marine Ocean Energy
- 22 Offgrid Renewables
- 23 Passive Solar Design & Daylighting
- 10 Policy issues
- 24 Renewable Energy for Industry
- 25 Renewable Energy in Buildings
- 11 Rural Electrification
- 26 Small Hydro Power
- 13 Solar Energy
- 09 Solar Photovoltaics
- 12 Solar Thermal Energy
- 14 Utility-Scale Renewables
- 15 Wind Power
- 97 All of the above
- 98 Other (describe) _____

4. WHAT IS YOUR PURCHASING INFLUENCE FOR RENEWABLE ENERGY PRODUCTS?

(Please tick ONE only)

- 01 Authorize
- 02 Specify
- 03 Purchase
- 04 Recommend
- 99 None

5. WHAT IS THE VALUE OF RENEWABLE ENERGY GOODS YOU AUTHORISE OR SPECIFY?

(Please tick ONE only)

- 03 Up to US\$ 500,000
- 04 Over US\$ 500,000
- 01 Up to US\$ 10,000
- 02 Up to US\$ 50,000

6. WHAT IS THE NUMBER OF EMPLOYEES AT YOUR ESTABLISHMENT?

(Please tick ONE only)

- 01 1-9
- 02 10-49
- 03 50-99
- 04 100-499
- 05 500-999
- 06 1,000+

REGISTRATION FORM

3 - 5 June 2014

Koelnmesse, Cologne, Germany



PLEASE USE THIS CODE WHEN REGISTERING

1. EXHIBITION FLOOR ONLY:

Lunches, conference sessions and conference proceedings are NOT included.

€40

2. INDIVIDUAL CONFERENCE FEES:

Three-Day Delegate

Includes entrance to exhibition, all co-located conference sessions, lunch on all three days and one conference proceedings:

Paid before or on 16 May 2014

€905

Paid on or after 17 May 2014

€1005

Student Delegate:

Student I.D. must be provided with Registration

€195

One-Day Delegate

Includes entrance to exhibition, conference sessions and lunch on one specified day. Please note conference proceedings are NOT included:

Paid before or on 16 May 2014

€480

Paid on or after 17 May 2014

€580

Please indicate the day you are registering for:

Tuesday 3 June 2014

Wednesday 4 June 2014

Thursday 5 June 2014

3. Three-Day Exhibitor Delegate

(Must be a Renewable Energy World Europe exhibitor)

Includes entrance to exhibition including set-up and tear down, all conference sessions, lunch on all three days and conference proceedings: €590

4. UTILITY DELEGATES

For discounted utility delegate rates please contact Amy Nash tel: +44 (0) 1992 656 621 or email: amyn@pennwell.com

Paid before or on 16 May 2014

€705

Paid on or after 17 May 2014

€805

5. CORPORATE DELEGATE PLANS*:

Each plan includes entrance to the exhibition, all conference sessions, lunch on all three days and one conference proceedings per delegate (company employees or guests):

Corporate Plan 10

Paid before or on 16 May 2014

€7,040

Paid on or after 17 May 2014

€7,850

Corporate Plan 11-20

Paid before or on 16 May 2014

€13,100

Paid on or after 17 May 2014

€14,545

Corporate Plan 21-30

Paid before or on 16 May 2014

€18,690

Paid on or after 17 May 2014

€20,600

*For corporate plans, an additional form will be faxed to you once the registration department receives your application. You should complete details about each delegate in your plan and return the form to the registration department.

6. ADDITIONAL LUNCH TICKETS: (for non-delegates)

Included with full Delegate registrations.

Tuesday 3 June 2014

€50

Wednesday 4 June 2014

€50

Thursday 5 June 2014

€50

7. CONFERENCE PROCEEDINGS:

Renewable Energy World Europe and POWER-GEN Europe combined conference proceedings

€350

8. TECHNICAL TOURS:

Technical Tour 1:

Trianel Kohlkraftwerk Lünen GmbH und Co. KG

2 June 2014

€90

DEADLINE FOR REGISTRATION AND PAYMENT Friday 16th May 2014

Passport number _____

Please note that passport number will be required for power plant tours

PAYMENT

Please add all selections and total here: € _____

Add 19% German VAT: € _____

TOTAL DUE: € _____

Payment must be received by published date to receive early registration discounts. Cancellations must be received in writing before 16 May 2014 in order to receive a refund, minus a €100 administrative charge. After 16 May 2014 refunds on any Renewable Energy World Europe activities/conference sessions are not available under any circumstances. Substitutions of personnel may be made at any time by contacting the registration office in writing.

METHOD OF PAYMENT

Payment must be received prior to admittance to the conference.

CHEQUE ENCLOSED (in € only) payable to PennWell / Renewable Energy World Europe

WIRE TRANSFER (Wire transfer information will be provided with invoice)

CREDIT CARD: Amex Visa Mastercard

Card Number: _____

Expiry Date: ____/____/____

Name on Card: _____

Signature: _____

(I understand that my signature authorizes PennWell to charge the above amount to my credit card).

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