

A specialized event for the clean energy sector in North and South

- Latest clean energy trends in emerging markets
- Appropriate technologies for urban and rural energy systems
- B2B cooperation events on solar energy & bioenergy
- Workshop on advanced power plant technologies
- Exhibition space at low rates
- Site visits to companies & projects



# International Symposium NEW ENERGY MARKETS 2006

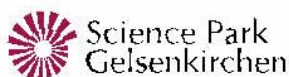
Focus on India



Science Park Gelsenkirchen | 6-8 November 2006



Organised by:



Part-Financed by:



Ministry of Economic Affairs and Energy of the State of North Rhine-Westphalia



EUROPEAN UNION  
European Fund for Regional Development

Supported by:



Indo-German Chamber of Commerce  
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Federation of Indian Chambers of Commerce & Industry



Ostasiatischer Verein e.V.  
German Asia-Pacific Business Association



Conference Language: English. For updates, registration and download of presentations visit [www.wipage.de/nem2006](http://www.wipage.de/nem2006)

## Monday, 6 November 2006

14:00 **Registration and refreshments**

### Session 1: OPENING AND KEYNOTE ADDRESSES

- 15:00 **Welcome and opening remarks**  
**Dr. H.P. Schmitz-Borchert**,  
*Managing Director, Science Park Gelsenkirchen*  
**Welcome Address**  
**Frank Baranowski**,  
*Lord Mayor, City of Gelsenkirchen*  
**Welcome Address**  
**Shri Ashok Kumar**,  
*Consul General of India, Frankfurt*  
**Keynote Address**
- North Rhine-Westphalia (NRW) – The Energy State
  - NRW: International clean energy activities
  - Prospects for international cooperation
- Christa Thoben**, *Minister for Economic Affairs and Energy, State of North Rhine-Westphalia*  
**Keynote Address**
- Renewable energy for rural development
- Shri Vinay Vilasrao Kore**, *Minister of Non-Conventional Energy, State of Maharashtra*
- 16:00 **Refreshment & Networking Break**
- 16.20 **Sustainable technologies towards mega-growth and cleaner environment**  
**Shri R.K. Jain**, *Director (Technical), NTPC–National Thermal Power Corp., India*  
**German renewable energy industry: From regional trend setters to global players**
- Internationalisation of Germany's RE industry
  - Model for industry development in South Asia?
- Rainer Hinrichs-Rahlwes**, *Advisor European and International Affairs, German Renewable Energy Federation (BEE)*  
**Internationalisation of RE-industries: Showcase Suzlon Energy**  
**Wolfgang Conrad**,  
*Director, Suzlon Energy GmbH*
- 17:30 **End of Session**
- 18:00 **Networking Reception**
- hosted by Scheuten Solar  
**Address: Marinus Boogart**,  
Sales & Marketing Director

## Tuesday, 7 November 2006

8:30 **Registration and refreshments**

### Session 2: SOLAR ENERGY

- Chair: **Raphael Wiese**,  
*C.L.E.- Club for Rural Electrification*
- 9:00 **Introduction of participating companies**  
**Chairman's introductory statement: Development of German solar energy industry and markets**  
**Overview: Markets for photovoltaics and solar thermal technologies in India**  
**Shirish Garud**, *Fellow, Renewable Energy Technology Applications Group, TERI – The Energy and Resources Institute*  
**Integrated rural energy planning with PV and regulatory issues of PV grid integration: The role of MEDA - Maharashtra Energy Development Agency**  
**Shri Vinay Vilasrao Kore**, *Minister of Non-Conventional Energy, State of Maharashtra, Chairman of MEDA*
- 10.30 **Refreshment & Networking Break**
- 11.00 **Market situation of renewable energies in India and experience of SunTechnics**  
**Thomas Grigoleit**, *Business Development Manager Asia, SunTechnics GmbH*  
**Photovoltaic hybrid systems for village electrification**  
**Michael Wollny**, *SMA Technologie AG*  
**Solar cooling and steam production systems based on parabolic trough collectors combined with double effect absorption chiller**  
**Dr. Ahmet Lokurlu**,  
*Managing Director, Solitem GmbH*
- NEW! Plenary Session NEW!**
- 12.00 **Status of national energy policies and prospects for Indo-German energy-cooperation**  
**Shri Sushil Kumar Shinde**,  
*Minister of Power, India*
- 12.45 **Lunch Break**

## Tuesday, 7 November 2006

### Session 3: BIOENERGY

- Chair: **Rolf-Dieter Linden**, *Managing Director, DENARO Energiesysteme GmbH*
- 14.00 **Introduction of participating companies**
- 14.10 **Chairman's introductory statement: Development of German bioenergy industries and markets**
- 14.20 **Overview: Indian markets for bioenergy**  
**Professor Anuradda Ganesh**, *Head of Biomass Research Group, Indian Institute of Technology (IIT), Mumbai*
- Biomass energy for rural electrification**  
**Roel Slotman**, *Head of International Sales, Envitec Biogas GmbH*
- Landfill gas projects based on CDM**  
**Dr. Markus Francke**, *Director Landfill and Biogas, G.A.S. Energietechnologie GmbH*
- 15:30 **Refreshment & Networking Break**
- 16.00 **First commercial-size biodiesel-plant in India: Synergies by public-private partnerships for supporting small farmers in the supply chain of biodiesel**  
**Diana Kraft**,  
*Center for Cooperation with Private Partners, gtz*
- Rural energy supply with micro-grids based on biogas from jatropha plant**  
**Shubhada K. Jahagirdar**,  
*Director, Agro Diesel Pvt. Ltd.*
- Discussion**

### Parallel event (9.00-17.00) INDO-GERMAN WORKSHOP ON ADVANCED POWER PLANT TECHNOLOGIES

- Chair: **Dr. Franz Bauer**, *VGB Power Tech e.V.*
- 9.00 **Introduction of participating companies**
- 9.10 **Chairman's Introductory statement**
- 9.20 **Part I: Raising power plant efficiency**  
**Discover optimisation potentials - maximising efficiency of power plant operation with state of the art energy management systems**  
**Dr. Christian Herr**, *STEAG Ketek IT GmbH*
- Raising power plant efficiency through mobile process optimisation: project experience in China, outlook for India**  
**Theo Hufmann**, *Deputy Vice President Process Optimisation, E.ON Engineering GmbH*
- Improving power plant efficiency: Operator perspective**  
**G.J. Deshpande**, *General Manager of Farakka Coal-Fired Power Plant in Murshidabad, West Bengal, NTPC-National Thermal Power Corp., India*
- KfW's energy efficiency programme for thermal power plants in India**  
**Andreas Berkhoff**, *KfW*

- 10.30 **Refreshment & Networking Break**
- 11.00 **Part II: Power Grids**  
**[Title t.b.a.]**  
**Shri R.K. Jain**, *Director (Technical), NTPC-National Thermal Power Corp., India*
- The Indian power grid: technical status, integration of renewables, management challenges**  
**Jochen Klingler**,  
*Chairman of the Board, EnerSearch AB*
- Network consulting for power grid optimization: Project experience of Siemens in India**  
**Dr. Michael Schwan**, *Siemens AG - Power Transmission and Distribution*

**NEW! Key-Note Plenary NEW!**  
**with Shri Sushil Kumar Shinde,**  
**Minister of Power, India**

- 12.00
- 13.00 **Lunch Break**
- 14.00 **Part III: Advanced Power Plant Technologies**  
**Advanced power plant technologies with carbon capture**  
**Professor Klaus Görner**, *University Duisburg-Essen*
- Advanced power plant technologies: R&D-activities in India**  
**Professor J.M. Hans Akkermans**, *Chief Scientific Officer, EnerSearch AB with input from Indian Institute of Technology (IIT)*
- 15.30 **Refreshment & Networking Break**
- 16.00 **Part IV: Final Discussion: Indo-German Cooperation on advanced power plant technologies**
- 16:45 **End of Workshop**

### PANEL DISCUSSION: RENEWABLES & CLEAN COAL: FRIENDS OR OPPONENTS?

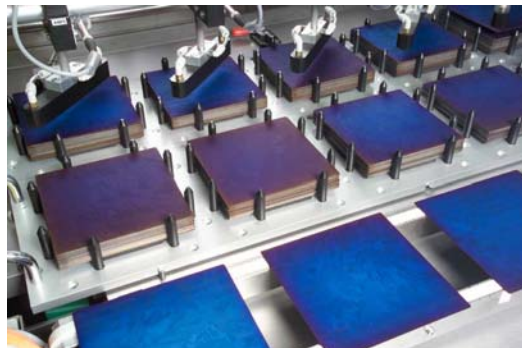
- Chair: **Timm Krägenow**, *Financial Times Deutschland*
- 17.00 **Panelists:**  
**Franzjosef Schafhausen**,  
*German Ministry for Environment*  
**Dr. Michael Fübi**, *RWE Power AG*  
**Oliver Schäfer**,  
*European Renewable Energy Council (EREC)*  
**Prof. Claudia Kemfert**, *DIW Berlin*  
**Professor Anuradda Ganesh**,  
*Indian Institute of Technology Mumbai*
- 18.00 **Closing Remarks**  
**End of Conference**

## Wednesday, 8 November 2006

### Site visits to companies & projects

#### Site visits: SOLAR ENERGY

- 9.00 Departure at Intercity Hotel Gelsenkirchen
- 9.15 Solar Cell Factory of SolarWorld AG, Gelsenkirchen-Rotthausen
- 11.00 Solar Housing Estate Gelsenkirchen-Bismarck
- 12.00 Solar Housing Estate Gelsenkirchen-Erle of LEG – Landesentwicklungsgesellschaft NRW
- 13.00 Lunch Break
- 14.00 Academy Mont-Cenis Herne: 1 Megawatt building-integrated PV-systeme
- 16.00 Arrival at Intercity Hotel / Main station Gelsenkirchen



Source: SolarWorld AG

#### Site visits: BIOENERGY / MINEGAS

- 8.30 Departure at Intercity Hotel / Maritim Hotel Gelsenkirchen
- 9.30 DENARO energy station: Local heat network based on wood chips / CHP-plant based on plant oil Denaro Energiesysteme GmbH, Unna
- 11.30 20 MW-grid connected biomass power plant fired with matured timber (pre-treated). Operators: STEAG Saar Energie AG, Remondis GmbH & Co KG  
Biodiesel-plant based on animal fat with 100.000 t annual capacity operated by SARIA Bio-Industries AG & Co. KG
- 13.00 Lunch Break
- 14.45 Minegas co-generation plant "HugoOst" in Gelsenkirchen Buer (8 modules with altogether 10.5 MW capacity) Operator: Minegas GmbH; Co-generation technology: G.A.S. Energietechnik GmbH
- 16.45 Arrival at Intercity Hotel Gelsenkirchen



Source: Minegas GmbH

#### Site visits: POWER PLANT TECHNOLOGY

- 8.30 Departure at Intercity Hotel Gelsenkirchen
- 9.00 COMTES 700 - Component Test Facility for a 700 °C Power Plant installed in Scholven Power Plant, Gelsenkirchen
- 11.30 MAN TURBO AG, Oberhausen  
Production plant for turbo compressors, gas and steam turbines
- 13.00 Lunch Break
- 14.30 RWE Power's lignite-fired power station with optimised plant technology (BoA 2/3) in Neurath
- 17.00 Arrival at Intercity Hotel Gelsenkirchen



Source: MAN TURBO AG

## New Energy Markets 2006 – Focus on India

Energy supply in developing countries is facing enormous challenges. More than 1.6 billion people in rural areas are still without access to electricity. On the other hand, in urban areas with rapid economic growth, it becomes more and more difficult to adapt energy generation capacity to the ever soaring demand. Meeting these challenges will require annual investments of 200-300 billion US-\$ over the next decades.

Energy efficiency and renewable energy technologies will play an important role in that process. Participating in that global investment programme is both a challenge and a great opportunity for the growing clean energy industry in North and South.

The International Symposium New Energy Markets promotes North-South cooperation on the development and dissemination of clean energy technologies. This year's country focus is on India, a country with remarkable achievements in clean energy development and deployment but still a huge potential of untapped resources in fields like power plant efficiency and renewable energy use. In all thematic sessions, speakers from India and Germany will provide latest information on available technologies, market development and business opportunities.

To facilitate technology cooperation on a business to business level, two pre-organized brokerage events and a full-day workshop will be part of the conference scheme. Companies are invited to present their technology and service profiles in the exhibition area. How advanced renewable energy and power plant technology works in practice can be experienced at the site visits after the conference.

### Who should attend?

- manufacturers
- project developers
- government and regulatory bodies
- public and private entities engaged in international technology transfer
- clean energy associations
- researchers and academics

About the venue

### Science Park Gelsenkirchen

Science Park (Wissenschaftspark) Gelsenkirchen is a modern technology centre with a spectacular architecture, placed at the heart of The Ruhr, Germany's largest industrial agglomeration. The center hosts some 40 young and growth-oriented companies of various fields, including the energy sector.

Built on the grounds of a former steel mill in 1995 and equipped with a 210 KW solar power plant, the building has become a symbol of the region's transition towards clean energies. (Directions: [www.wipage.de](http://www.wipage.de))



The project division on Future Energies of Wissenschaftspark Gelsenkirchen GmbH supports the development of the clean energy sector through international conferences, training programmes, marketing campaigns and consultancy for public and private bodies.

# Registration Form

**New Energy Markets 2006 – Gelsenkirchen, 6-8 November 2006**

**The easiest way to register is online at [www.wipage.de/energy](http://www.wipage.de/energy)**

<b>Four other ways to register</b>	<b>Email:</b> energy@wipage.de	<b>Fax:</b> +49 209 167 1001	<b>Phone:</b> +49 209 167 1011	<b>Post:</b> Wissenschaftspark Gelsenkirchen Munscheidstr. 14, D-45886 Gelsenkirchen, Germany
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Please photocopy this form for multiple bookings

**Please register me for:**

All prices in € plus 16% VAT. Reduced fees apply to developing country participants

	Item	Fee	Reduced Fee
<input type="checkbox"/>	Symposium: First Day (6 November)	50,00	50,00
<input type="checkbox"/>	Symposium: Second Day (7 November)	200,00	100,00
<input type="checkbox"/>	Symposium (6-7 Nov.)+ Exhibition (7,5 m <sup>2</sup> -Standard booth)	350,00	250,00
<input type="checkbox"/>	Site visits on <input type="checkbox"/> Solar Energy / <input type="checkbox"/> Bioenergy / <input type="checkbox"/> Power Plant Technology (8 Nov.)	50,00	free

<input type="checkbox"/>	I'll participate in the Workshop on Advanced Power Plant technologies (7 Nov.)
<input type="checkbox"/>	I'd like to participate in the cooperation event on <input type="checkbox"/> Solar Energy / <input type="checkbox"/> Bioenergy (7 November). Please send additional information
<input type="checkbox"/>	Please inform me about extended exhibition and sponsoring possibilities

Company	
Mr/Mrs/Ms	First Name Surname
Position/Department	
Address	
Postcode	Country
Telephone	Fax
Email	
Date / Signature	

## Hotel Accommodation

There is a limited number of rooms at reduced rates available at the following hotels in Gelsenkirchen. Please contact the hotel to make your reservation and specify that you are a participant of the New Energy Markets 2006 symposium.

*Intercity Hotel Gelsenkirchen* (1km from the venue), Ringstrasse 1-3,45879 Gelsenkirchen,

Tel: +49 (0) 209 92550, Fax: +49 (0) 209 9255999, [www.intercityhotel.de](http://www.intercityhotel.de) > Gelsenkirchen.

*Maritim Hotel Gelsenkirchen* (2 km from the venue), Am Stadtgarten 1, 45879 Gelsenkirchen,

Tel:+49 (0) 209 176-0, Fax+49 (0) 209 176-2091, [www.maritim-gelsenkirchen.de](http://www.maritim-gelsenkirchen.de)

If you need assistance, please contact Mr. Patrick Jüttemann on +49 209.167-1011 or email [juettemann@wipage.de](mailto:juettemann@wipage.de).

## Conditions of participation

The conference fees include attendance at booked sessions/events, conference materials, lunches, refreshments and receptions. The fees are payable on receipt of the invoice, which will be sent to you together with a confirmation slip once your registration has been received. Registrations can be cancelled (in written form only) free of charge up to 14 days before the event. For cancellations after this date half of the conference fees will be reimbursed. In case of non-attendance or cancellation on the conference date, the full fee will be payable. Substitutions can be sent to attend in your place at no extra charge. The organizers reserve the right to change the programme if necessary.

## Data protection

Wissenschaftspark Gelsenkirchen GmbH will use your personal data to organize the event and may use it to inform you about future conferences and other activities. If you do not wish to be informed about future events, please tick this box: