

17th-18th April

CSP EMEA Cairo, Egypt



Exploring & Fulfilling the Significant Potential for CSP in EMEA

Event Panel Members:

Hani El Nokraschy, Vice Chairman of the Supervisory Board & Coordinator Egypt, **DESERTEC Foundation**

Eng. Khaled Abubakr & Akmal Zaghloul, **TAQA Arabia**

Marc Benmarraze, **Solar Euromed**

Joachim Maass & Dr. Antoine Bittar, **Solar Tower Systems**

Achaz von Arnim, **Siemens**

Raed Sherif, **Amonix Inc.**

William R. Gould, Jr., **SolarReserve**

Dolf Gielen, **IRENA Innovation & Technology Centre**

Georg Brakmann, **Fichtner Solar**

Khaled El-Askari, **African Development Bank, Egypt Field Office**

Iñigo Velázquez, **Bankia**

José Manuel Nieto Jimenez, **Acciona Energia**



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Registration & more information:

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Speaking Opportunities:

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For information on available sponsorship and commercial opportunities contact Maureen Ignacio:

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CSP EMEA

Cairo, Egypt



CSP EMEA 2012 will provide the perfect platform for the local project developers and operators to meet with the international CSP industry during two days of formal conference sessions, excellent networking opportunities and interactive panel and round table discussions.

CSP EMEA 2012 will be looking at realising the commercial potential of CSP in North Africa, Middle East and Europe and will focus on policy developments, technological advancements and also look at results from the field to assess how each developer and operator, as well as the industry as a whole, can enhance efficiency and reduce costs.



Key topics of discussion include:

- CSP status & perspectives: the IRENA view
- Policy & regulatory developments in MENA impacting the deployment of CSP plants
- CSP activity updates in Sudan, Mauritania, Morocco, Burkina Faso, Niger, Egypt, Libya, Qatar, UAE, Syria, Jordan & Algeria
- Promoting solar energy in Africa: AfDB perspective
- Solar Tower MENA 10 – industrial energy with local content
- Detailed insight into operating in the Egyptian CSP market
- Comparison of DNI & production study of a typical CAP plant in Spain & Egypt
- Advances in dispatchability & cost efficiency through hybrid CSP power plants
- The value of Thermal Energy Storage
- Solar tower plants – new ways in heliostat field design
- Engineering & process optimization: integrated harmonized controls & plant optimization to lower costs from commissioning to O&M

WHO WILL ATTEND?

National & International Power Companies, CSP Plant Owners & Developers, Government Representatives, Project Promoters, Research Centres, Banks, Financiers & Investors, Funding Agencies, National Energy Agencies, Renewable Energy Consulting Firms, Environmental & Energy Law Specialists

COMMERCIAL OPPORTUNITIES

Gain direct access to our senior level audience through enhanced visibility and exposure to attract new business and forge lasting commercial relationships. A wide range of opportunities are available, all of which can be finely tuned to match your exact requirements.

For information on available sponsorship and commercial opportunities contact:

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2011 ACI Event Testimonials:

"Great meeting! Great opportunity to know more about storage technology, projects & strategies of the main actors in energy" (Energy Storage)
Enel Engineering & Innovation

"Excellent sessions! Frank & documented, nothing generic."
(European Biomass to Power)
IFP Energies Nouvelles

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CSP EMEA

Cairo, Egypt

Exploring & Fulfilling the Significant Commercial Potential for Concentrated Solar Power in EMEA

DAY ONE: Tuesday 17th April 2012

08.00 Registration and Coffee

09.00 CHAIRMAN'S OPENING ADDRESS



Georg Brakmann, Managing Director, Fichtner Solar

09.15-10.00: CONFERENCE PRESENTATION CSP Status & Perspectives: The IRENA View



- CSP is developing at a fast rate
- Thermal storage makes the difference with PV and creates a niche
- Cost reduction potentials are significant and will help to accelerate development

Dolf Gielen, Director, IRENA Innovation and Technology Centre

10.00-10.45: CONFERENCE PRESENTATION Policy & Regulatory Developments in MENA Impacting the Deployment of CSP Plants



- Supporting cooperation in the EMEA region to foster growth in electricity supply from CSP
- The importance of incentives in driving the industry forward Ensuring sustainable development of desert energy

Maged K Mahmoud, Senior Technical Expert, RCREEE (Regional Center for Renewable Energy & Energy Efficiency)

10.45 Morning Refreshments

11.15-13.05: SESSION ONE

Activity Updates from Key EMEA CSP Markets

11.15 Sudan, Mauritania, Morocco, Burkina Faso & Niger

Marc Benmarraze, Founder & CEO, Solar Euromed

11.45 Egypt, Libya, Qatar, UAE, Syria & Jordan

Eng. Khaled Abubakr, CEO, & Akmal Zaghoul, Business Development General Manager, TAQA Arabia

12.15 Algeria



Christian Gertig, CSP Expert, GL Garrad Hassan

12.45 Panel Discussion

13.05 Lunch

14.15-15.30: SESSION TWO

Financing CSP: Funding & Investment Opportunities for the Plant Developer

14:15 'Promoting Solar Energy in Africa: AfDB Perspective'



- Brief about AfDB
- Why solar energy should work for Africa
- What the AfDB is currently doing to promote solar energy
- What more could the AfDB offer to help?

Khaled El-Askary, Senior Energy Officer, African Development Bank, Egypt Field Office (EGFO)

14.45 'Project Finance for CSP'



- CSP: The Spanish experience
- Making financing available for CSP projects
- Financing structures

Iñigo Velázquez, Head of Energy & Environment – Project Finance, Bankia

15.15 Panel Discussion

15.30 Afternoon Refreshments

16.00-16.45: CONFERENCE PRESENTATION

Solar Tower MENA 10 – Industrial Energy with Local Content



- New approach to industrial heat and power
- High efficiency in a modular design
- Local content as part of the value chain

Joachim Maass, CEO, Solar Tower Systems

16.45-17.15: CONFERENCE PRESENTATION

CSP as Part of an Integrated Energy Plan for Egypt

Adel Beshara, Senior RE&EE & Energy Planning Expert, R4EPDA

17.15-18.00: OPEN DISCUSSION

Detailed Insight into Operating in the Egyptian CSP Market



- The regulatory framework: where do we stand
- Financing: bringing the private sector in
- Local manufacturing and job creation
- Alleviation of subsidies – new opportunities in the field of autoproduction?
- CSP vs. PV

Kilian Bälz, Partner, AMERELLER – Legal Consultants

18.00 Close of Day One

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DAY TWO: Wednesday 18th April 2012

09.00 Registration and Coffee

09.00 CHAIRMAN'S OPENING ADDRESS

Georg Brakmann, Managing Director, **Fichtner Solar**

09.05-09.50 CONFERENCE PRESENTATION: CSP as the Conventional Renewable Energy Source



- CSP competes directly against CC and Coal
- CSP is dispatch competitive
- CSP can be placed near demand location with less infrastructure investment
- Development of CSP can create capacity to add intermittent RES such as PV and wind

José Manuel Nieto Jimenez, Business Development Manager, Thermoelectric, **Acciona Energia**

09.50-10.35 CONFERENCE PRESENTATION: To be confirmed

Marc Benmarraze, Founder & CEO, **Solar Euromed**

10.35-10.50 CONFERENCE PRESENTATION: Comparison of DNI & Production Study of a Typical CSP Plant in Spain & Egypt

- Definition of a 50MW CSP parabolic trough plant with 7hrs of storage
- Calculation of DNI and electricity production for 1 site in Spain & 5 sites in Egypt (with dry/wet cooling)
- LEC (Levelized cost of electricity) comparison for the 6 sites
- Comparison of impact of dynamic and static CSP plant modelling on LEC results

Ralf Weisenberg, Managing Director, **Sun to Market Solutions**

10.50 Morning Refreshments

11.20-12.05: CONFERENCE PRESENTATION: MATS CSP Project & EASAC Study on CSP Potential in MENA



- MATS – Multipurpose Applications by Thermodynamic Solar
- CSP: it's potential contribution to a sustainable energy future

Amr Amin, Professor, **Helwan University**

12.05-13.20: SESSION THREE: Dispatchability & Grid Integration

12.05 'To be confirmed'



Hani El Nokraschy, Vice-Chairman of the Supervisory Board & Coordinator Egypt, **DESERTEC Foundation**

12.35 'The Value of Thermal Energy Storage'

- The problem with intermittent power generators on the grid
- Different types of CSP technologies, and the difference between integrated and "bolt on" thermal storage
- SolarReserve's technology – firm, dispatchable power to the grid, whenever the utility wants it, day or night



William R Gould Jr, Chief Technical Officer, **SolarReserve**

13.05 Panel Discussion

13.20 Lunch

14.20-16.10: SESSION FOUR: Cutting-Edge Advancements in CSP Technologies

14.20 'Concentrated Photovoltaic (CPV) – The Right Choice for Large Scale Solar'



- CPV is the leading utility-scale solar technology in sunny and dry areas
- Energy efficiencies and technology advancements continue to improve faster than PV
- CPV offers low energy production costs with plenty of headroom for further education

Raed Sherif, Sr. Director, Business Development Middle East & North America, **Amonix Inc.**

14.50 'Solar Tower Plants – New Ways in Heliostat Field Design'



- Do the things right – do the right things
- High efficient solar tower plants
- Example

Dr. Antoine Bittar, Chief Science Officer, **Solar Tower Systems**

15.20 'Engineering & Process Optimization: Integrated Harmonized Controls & Plant Optimization to Lower Costs from Commissioning to O&M'



- Take the right decision for your overall I&C system to lower cost over the solar field, balance of plant, turbine
- Get inside a 4th generation I&C system & discover how to dramatically reduce engineering, troubleshooting time and resulting costs
- To decrease LCOE you need to optimize process and O&M cost – hear the latest innovation how to lower operator training time and reduce maintenance cost

Achaz von Arnim, Business Development CSP, **Siemens**

15.50 Panel Discussion

16.10 CHAIRMAN'S CLOSING ADDRESS



Georg Brakmann, Managing Director, **Fichtner Solar**

16.20 End of Conference & Afternoon Refreshments



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5 EASY WAYS TO REGISTER

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TERMS AND CONDITIONS

How to Register

Registrations must be received in writing or electronically at our secure web site. Please complete and mail or fax a copy of the registration form with a cheque or credit card number. Fee includes program materials, networking luncheon and refreshments.

Payment

Payment must be received within five business days of returning the signed contract. After receiving payment a VAT receipt will be issued. If you do not receive a letter outlining details two weeks prior to the event, please contact the Conference Coordinator at ACI Europe Ltd.

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About ACI

ACI, a UK owned company, have been running successful conferences for the last 15 years in the USA. Headquartered in Chicago with offices all around the States, they run forums in varied fields and are market leaders in healthcare business conferences. Opening their European head office at the end of 2005, they have expanded rapidly and are launching a series of events covering the maritime, energy, oil and gas industries.

Venue:

Concorde El Salam Hotel Cairo
65, Abdel Hamid Badawi St., Heliopolis, Cairo, Egypt. Po.Box 5614
Tel: +20 22 622 6000

The cost of accommodation is not included in the event fee. Preferential rates will be arranged with or near the event venue, and all confirmed delegates will be given details of how to book accommodation at this rate in due course.

Prices and Payment Information

Conference (Includes Documentation Packet)
Documentation Packet

17th – 18th April 2012
Copies of all conference proceedings

£1395
£395 + £25 p&p

Documentation Packet Available

You can purchase the **CSP EMEA** papers at just £395 (+£25 P&P). Simply tick the box on the booking form, send it with payment and your copy will be on its way to you after the meeting. This important manual will be a source of invaluable reference for the future.

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