



4th Annual

Concentrated Solar Power Summit USA

NORTH AMERICA'S PREMIER CSP EVENT



June 23rd - 25th // Parc 55 // San Francisco

North America's premier CSP meeting place that shows you how to deliver a profitable, productive & commercially successful CSP business

- **Government perspectives on CSP development** - Discover the latest regulation, legislation, incentives and support for the development of CSP in North America
- **Experiences learned from CSP plants in the ground** - Starting up, successful testing, and O&M experiences
- **Is project finance a mission impossible?** - An honest appraisal from the banks on the situation in 2010 and beyond
- **Storage developments** - Unique analysis into Andasol I data and the very latest technological developments such as concrete and PCM
- **Emerging markets** - From state by state analysis to a broader global perspective discover the most profitable geographical markets for your CSP business
- **Technology and innovation** - Exclusive insights and updates into the very latest designs and components for CSP

THE VERY BEST CSP speaker line-up anywhere in the world!



6 REASONS WHY YOU MUST ATTEND THIS SUMMIT

- | | |
|--|--------------------------------------|
| 1 50+ Expert Speakers | 4 Multiple Focused Conference Tracks |
| 2 600+ Conference & Exhibition Attendees | 5 CSP Industry Awards Ceremony |
| 3 35+ Exhibition booths | 6 CSP Site Visit |

You have created THE MUST-ATTEND conference for the solar thermal crowd. We will be there next year. Arnold Leitner, CEO, SkyFuel

Gold Sponsors:



Silver Sponsors:



Bronze Sponsor:



Conference Bag Sponsor:



Supporting Sponsors:



The 4th Annual Concentrated Solar Power Summit

WHY YOU CAN'T AFFORD NOT TO BE HERE!

The CSP industry in North America is poised for massive growth and development as renewed regulatory, certification, permitting and financial support comes into play this year. Such as the Bureau of Land Management's "Fast Track" scheme that could see 1000's of Megawatts worth of projects move through the pipeline and into the ground by December 2010. Representing what some analysts have called a "perfect storm" for CSP development & a unique window of opportunity that if your business gets right could secure yourself a massive slice of this industry's market set to be worth over \$200bn.

This is a tipping point for the CSP industry in North America, and what's clear is that if you want to ensure you don't miss out on this massive opportunity you need to get up to speed fast on the very latest regulatory, transmission, siting, permitting, finance, technology, storage and project development issues affecting your business's success in this market. Responding to these challenges, CSP Today have created the 4th Annual Concentrated Solar Power Summit, North America's premier CSP event that shows you how to create a profitable, productive and commercially successful CSP business.



Meet 600+ of your peers, stakeholders and business rivals at this agenda-setting event

The 4th Annual Concentrated Solar Power Summit is North America's premier CSP event. Quite simply, it is the industry's most highly regarded meeting place for learning, networking and setting up deals. Every year, over 600 global CSP leaders converge on San Francisco, representing leading developers, key material and component suppliers, influential financiers, government organizations and agencies. In fact, the question isn't: "Who's attending?" It's: "Who's not attending?"

50 world class speakers sharing their knowledge – and answering your questions

Such is the importance of this event that more than 50 of CSP's most influential figures, thought leaders, innovators and hands-on experts are joining forces to address the Summit. The key organizations they represent include ESTELA, SEPA, Protermosolar, California Energy Commission, Arizona Corporate Commission, U.S. Bureau of Land Management, U.S. Department of Energy, NREL, FERC and the Western Area Power Administration. As the two days of keynote presentations, panel debates and in-depth workshops unfold, you'll be learning from the best. It's by no means one-way traffic... come armed with your questions, issues and challenges, because you're certain to get perceptive, intelligent and enormously authoritative answers – along with proven solutions – to take back to the office.

YOU set the summit agenda – we guarantee it!

It's not what we want to talk about at the 4th Annual Concentrated Solar Power Summit – it's all about what you want to discuss. Which means you won't waste a single second at sessions that bear no relevance to your professional concerns. We've spent six months interviewing more than 100 CSP executives, drilling down with them into the issues that matter most. The result? A tailor-made agenda that reflects the prime day-by-day challenges you're up against in eight business-critical areas:

- > Finance
- > Permitting
- > Regulation
- > Legislation
- > Storage
- > Transmission
- > Siting
- > Project Development

Road test the latest CSP solutions in this year's bigger-than-ever Expo Hall

Our CSP Exhibition has proved so successful, we've outgrown our previous venue. Last year we brought you over 20 leading component and solution providers. This time, you can scrutinize 35+ exhibitors in our brand new – and much larger – Expo Hall. But it's not only about size. Selection is even more important. Every exhibitor has to pass our 'relevance test'. Which ensures you don't have to wade through a maze of PV stands in order to pinpoint the CSP solutions you need. Instead, you're certain to see what's on offer from the world's leading CSP suppliers, all together under one roof. It's your chance to examine and assess the very latest technology, materials and services for the CSP industry.

What's new this year?

Successful though we are, we're not resting on our laurels. This year's Summit will have more delegates, more expert speakers, more exhibitors, more choice, and even more networking than before. We've also incorporated three brand new features:

1. Focused Workshops: These are open to all delegates. They give you the time and space to explore core issues in a relaxed, intimate environment. Topics to date are CSP Financing and CSP Technology. More information will become available over the next few weeks, so be sure to keep your eye on the Summit Agenda.

2. The 1st US CSP Today Industry Awards:

Destined to become the benchmark for excellence in CSP, the Awards present you with the opportunity to stand out from the crowd and gain the attention of future clients, potential investors and industry peers.



3. Exclusive CSP Site Visit: CSP Today in association with ausra are pleased to offer you the opportunity as part of this year's summit to go on a site visit to their 5MW Kimberlina plant in Bakersfield. For more information please turn the page.

Two reasons to register today

All three Annual Concentrated Solar Power Summits to date have sold out. And given the level of interest in 2010, this year will be no exception. In order to be fair to everyone, we take applications strictly on a first-come-first-served basis. So eliminate the risk of being waitlisted by registering right away. You can also turn necessity into a virtue by registering before 26th February 2010 (assuming we haven't already posted the Sold Out sign) as you'll save \$400 with an Early Bird Bonus.

REGISTRATION IS QUICK AND EASY




Click here to register securely online now

**We look forward to meeting you in stunning
SAN FRANCISCO ON 23-25 JUNE 2010**

For The Latest Updates Visit www.csptoday.com/us

The Most Important CSP Event Of The Year!

Conference program at a glance

	MORNING	AFTERNOON	EVENING	
23rd June	SITE VISIT Depart for Kimberlina Plant	KIMBERLINA SITE VISIT 	ARRIVE BACK IN SAN FRANCISCO	
24th June 	PLENARY CSP Leaders Perspectives CSP Market USA	TRACK ONE Site selection Transmission Project Development	TRACK TWO Regulation Engineering Procurement & Construction	NETWORKING DRINKS PARTY CSP Industry Awards Ceremony
25th June	CSP Markets Worldwide Project Finance For CSP Plants	TRACK ONE Thermal Storage	TRACK TWO Technology	SUMMIT CLOSES 

Exclusive CSP Site Visit

Your Chance To See CSP In Action

As part of this years Concentrated Solar Power Summit 2010 we are please to offer you an exclusive chance to visit one of the most groundbreaking CSP sites in the world. You will get to see for yourself, up close and personal some of today's most exciting CSP technology that's actually in the ground and producing power.

AUSRA KIMBERLINA 5MW CSP PLANT



Thanks to the cooperation of Ausra we are offering the chance to visit their new 5MW linear fresnel CSP plant in Bakersfield California.

The Kimberlina plant is the first CSP development in California in over twenty years. We will visit the plant so that you can see for yourself how this pioneering technology looks and works in the field.

This one-of-a-kind CSP experience is only available to delegates of the 4th Annual Concentrated Solar Power Summit USA 2010.

Places are limited and will sell out fast so book your ticket today!



For information on registration please have a look at the registration form towards the back of this brochure.

For further questions please email sitevisit@csptoday.com

For The Latest Updates Visit www.csptoday.com/us

North America's largest Concentrated Solar Power Conference & Exhibition

Exhibition

Road test the latest CSP solutions in this year's bigger-than-ever Expo Hall

Our CSP Exhibition has proved so successful, we've outgrown our previous venue. Last year we brought you over 20 leading component and solution providers. This time, you can scrutinize 35+ exhibitors in our brand new – and much larger – Expo Hall. But it's not only about size. Selection is even more important. Every exhibitor has to pass our 'relevance test'. Which ensures you don't have to wade through a maze of PV stands in order to pinpoint the CSP solutions you need. Instead, you're certain to see what's on offer from the world's leading CSP suppliers, all together under one roof. It's your chance to examine and assess the very latest technology, materials and services for the CSP industry.



3 Top Reasons To Attend

1. Enhance Your Product Knowledge

The 4th Annual CSP Summit Exhibition is a "can't miss" opportunity to see new products and share insight with industry peers. You will be able to see, understand and experience the latest solutions - all under one roof and in the span of just 2 days.

2. Meet the most Influential People in the CSP Ecosystem:

The exhibition is the only Concentrated Solar Power focused exhibition in North America. It puts you in the same room as more than 600 key decision makers from right across the value-chain so you can mingle and network with companies releasing innovative products and solutions.

3. Face-to-Face Networking Is Key To Survival In 2010:

The exhibition is an excellent opportunity to meet and network with over 600 CSP professionals and build relationships that can assist you with future business challenges. Be the first to meet leading developers, key material and component suppliers, influential financiers and government organizations and agencies.

Sponsorship/ Exhibiting opportunities

Every Sponsor and Exhibit Campaign will be customized to meet your specific objectives so call Jim Cohen today on 917-270-4603 to discuss your best options.

■ I've made some very good contacts and actually come out of it with business, so it's very worthwhile. ■

Paul Heye, Sales Representative, Hyspan

■ It is a great opportunity to meet our customers and future partners. ■

Renaud Jourdan, Product Marketing Manager, Dow Chemical

■ This is a great event to present ourselves, our company and to see what our competitors are doing. ■

Torsten Andersch, Global Director of Business Development, SPX

If you sell and market CSP related products or services then this event will dramatically increase your universe for sales in 2010 and 2011, if you need our speakers, sponsors and delegates as partners or clients, this is a big opportunity for you to meet, greet and interact with them in person.

Sponsoring, exhibiting or advertising with us is one the best and most cost effective ways to prospect, generate interest, move companies through your pipeline and ultimately make deals. It gives you a unique and valuable opportunity to build relationships and imprint your company name on the summit attendees and all of the 40,000+ industry we'll be promoting to for the next 26 weeks.

If your company is looking to be one of the leaders in the concentrated solar power space then call today for more information on exactly how we can help you.

FOR MORE INFORMATION CONTACT:

Jim Cohen

Business Development Director North America, New Solar Today

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F: +1 646-478-9007

E: jcohen@newsolartoday.com

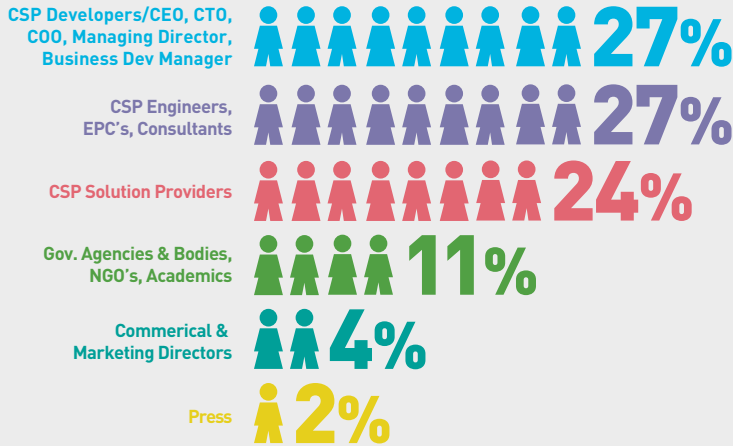
W: www.csptoday.com/us



The World's Best CSP Industry Networking Opportunities



This is the who's who of the CSP industry



Let's put it this way... who's not attending!

ALL the major players will be at the show and so should your business. We guarantee that you will meet people who you can do business with. At last years summits - hundreds of thousands of dollars worth of business was done on site.

It was great to see over 650 potential clients, you will definitely see us here next year.
Foster Wheeler Corporation

You have created THE MUST-ATTEND conference for the solar thermal crowd. We will be there next year.
SkyFuel

Last year's CSP conference afforded us a chance to meet with many of the key industry players.
Solar Reserve

Brand New Networking Features For this Year!



ONLINE PRE EVENT NETWORKING

Think Linked In for the CSP Industry! Through our brand new online networking facility as a delegate of the event you'll have the exclusive opportunity 2 weeks out from the event to:

- Connect with all registered delegates and sponsors 2 weeks out from the event
- Arrange meetings early, and ensure you get the face to face time you need from those important clients and contacts
- Evaluate which vendors you want to meet and spend time with
- Identify companies from different global regions to connect with
- Enhance your overall conference experience by building relationships both before and at the summit.



CSP INDUSTRY NETWORKING DRINKS PARTY

Taking place on the evening of June 24th, CSP Today welcomes all delegates to our Annual Industry Networking Drinks Party. Your opportunity to network with over 650 of the leading players in the CSP industry from around the world.



Reserve Your Place Today - Call 1800 814 3459



BRAND NEW TO THIS YEAR!

The must-attend
awards show of the year.
Nominate now and ensure your
company is globally recognized



The Awards are judged by independent industry experts and are open to all companies in the CSP eco-system that develop and provide compelling products, services, and content.

Platform

An Award presents an opportunity to stand out from the crowd and gain the attention of future clients, potential investors, and industry peers.

Prestige

The CSP Today Awards are an industry accolade that is recognized on a global scale.

Publicity

Receiving a CSP Today Award guarantees media attention and will provide powerful channels for promoting your product or service.

The CSP Today Awards are designed to recognize and to reflect the hard work, talent and potential in bringing to fruition real products and real advances in CSP.

In addition, the awards are a unique opportunity for the industry to gather, celebrate and highlight the achievements of the past year. CSP Today therefore encourages contributions across the industry and across all markets of the world.

A CSP Today Award is your path to ultimate industry recognition! What are you waiting for?
NOMINATE YOUR COMPANY NOW!

WHY NOMINATE?

The Global CSP Today Awards is officially open for entry now! If you want your company/product to be recognized and be known as a trailblazer in the ever-competitive and evolving CSP industry then you need to nominate your company now!

WHO CAN NOMINATE?

We invite all companies that operate within the CSP space to nominate themselves. Whether you work for a start-up company or a multinational conglomerate, we want to hear from you and we want you to nominate your company for ultimate industry recognition!

NOMINATION DEADLINE

Nominations will close on April 19, 2010. Make sure you nominate your company now in order to get an edge-above the competition! The presentation of the awards will take place during a Industry drinks reception on June 24, 2010.

WHO PICKS THE WINNERS?

Finalists for each category are selected by a panel of industry experts. The winners of each category are then chosen at the event by popular vote.

CATEGORIES FOR 2010







































- CSP INNOVATION
- CSP COMPETITIVENESS
- BEST INCREASED DISPATCHABILITY SOLUTION
- BEST APPLIED RESEARCH AND DEVELOPMENT IN CSP
- BEST COMMERCIALIZED TECHNOLOGICAL INNOVATION



For The Latest Updates Visit www.csptoday.com/us



World Class Speaker Line Up

- | | | | | | |
|--|--|---|---|---|--|
|  | Christy Herig
Regional Director for the Eastern US
SEPA |  | Speaker to be confirmed
Position tbc
Western Area Power Administration |  | Jordan Macknick
Energy and Environment Analyst
National Renewable Energy Laboratory |
|  | Jose Alfonso Nebrera
President
ESTELA |  | Nathaniel Bullard
Senior Analyst
New Energy Finance |  | Johanna Wald
Senior Counsel
Natural Resources Defense Council |
|  | Luis Crespo
Secretary General
Protermosolar |  | Jose Martin
CEO
SENER |  | Dareen Van't Hof
Vice President Solar
US Bancorp |
|  | Gilbert. E. Cohen
Senior Vice President
Acciona |  | Antonio Gomez Zamora
General Director
ACS Cobra |  | Natalia Kulichenko
Senior Energy Specialist
World Bank |
|  | Jonathan Silver
Executive Director, Loan Programs
US Department of Energy |  | Daniel Calderon
Investment Manager
Masdar |  | Melisa Lewis Wilson
Senior Vice President
Union Bank |
|  | Ray Brady
Manager
Bureau of Land Management |  | Kelly Beninga
Global Director, Renewable Energy
WorleyParsons |  | Mit Buchanan
Managing Director, Energy Investments
JP Morgan Capital Corporation |
|  | Frank Wilkins
Solar Thermal R&D Team Leader
US Department of Energy |  | Bechtel Power |  | Anne Gillette
Policy Analyst, Renewables Portfolio Standard Program
California Public Utilities Commission |
|  | Daniel Duncan
Vice President & General Manager
Siemens Energy |  | Bill Gould
CTO
Solar Reserve |  | Grant Rosenblum
Regulatory Counsel
California Independent System Operators |
|  | Cedric Philibert
Senior Consultant
International Energy Agency |  | Fred Morse
Senior Advisor of US Operations
Abengoa S.A |  | Rich Ferguson
Co-ordinator
CEERT (tentative) |
|  | Eileen Allen
Manager, Siting and compliance officer
California Energy Commission |  | Mark Mehos
Manager
Concentrating Solar Power, NREL (invited) |  | Michael DeAngelis
Manager, AR&DGT Program
Sacramento Municipal Utility District |
|  | Dr Hatice Gecol
Director
Nevada State Energy Office |  | Charles Benjamin
Director
Nevada office, Western Resource Advocates |  | Brad Friesen
Vice President, Renewable Business Line
Fluor |
|  | Kristy Mayes
Commissioner
Arizona Corporate Commission |  | Carl Zichella
Director of Western Renewable Energy Programs
The Sierra Club | Shirish Giraud
Co-ordinator
The Energy and Resources Institute | |
|  | Marc Spitzer
Commissioner
Federal Energy Regulatory Commission |  | Nada Culver
Senior Counsel
The Wilderness Society | Adrian Panow
Director Energy Investment
Dept. of Primary Industries | |
|  | Jim Baak
Policy Director for Utility Scale Solar
Vote Solar | | | | |

Reserve Your Place Today - Call 1800 814 3459

Concentrated Solar Power Market Analysis

CSP Leaders Perspectives

- A detailed guide to the advances of the CSP industry in the last 12 months
- The CSP industry 'to do' list - understand the primary challenges all players must address if the industry is to continue to thrive and grow - including; raising efficiency, reducing costs and scaling up production
- Beyond subsidies and feed in tariffs - see realistic projections of grid parity
- Take away each experts own assessment of the most exciting short and longer term commercial CSP opportunities

Christy Herig, *Regional Director for the Eastern US, SEPA*

José Alfonso Nebrera, *President, ESTELA*

Luis Crespo, *Secretary General, Protermosolar*

Cedric Philibert, *Senior Consultant, International Energy Agency*

Global Concentrated Solar Thermal Industry Overview

- Get an exclusive overview of the market challenges and opportunities for concentrated solar thermal Globally
- Understand the latest projects in the pipeline for CSP around the world as well as those currently under construction
- Discover which markets hold the most promise now and in the future, as well which specific global regions policy, legislation and financing best support CSP

Nathaniel Bullard, *Senior Analyst, New Energy Finance - (US)*

Luis Crespo, *Secretary General, Protermosolar - (Spain)*

Daniel Calderon, *Investment Manager, Masdar - (MENA)*

Shirish Giraud, *Co-ordinator, The Energy and Resources Institute- (India)*

Adrian Panow, *Director Energy Investment, Dept of primary industries - (Australia)*

CSP Project Development Overview: Updates and Expectations for the US

- Get a more in-depth look on the current CSP project development status in the US, understand why projects are stalled and what needs to be done to get them in the ground
- Find out how many CSP projects have been cancelled and how many are moving forwards
- Discover what project deals have been made in 2009? What's in the pipeline and when we can expect projects to start moving again as market conditions improve

Fred Morse, *Senior Advisor of US Operations, Abengoa S.A.*

Ray Brady, *Manager, Bureau of Land Management*

Frank Wilkins, *Solar Thermal R&D Team Leader, U.S Department of Energy*

Mark Mehos, *Manager, Concentrating Solar Power, NREL - (invited)*

Site Selection

CSP and Environmental Issues

- Environmental Siting Principles for Large Scale Energy Projects
- Embracing NEPA and Your Environmental Partners
- Notes From the Field: An Environmentalists View
- Utility Scale Solar and the Environment: Collaboration to Avoid Conflict
- A Collaborative Approach to Environmental Mitigation in Nevada

Panel Chair: Charles M. Benjamin, Ph.D., J.D., *Nevada Director,*

Western Resource Advocates

Carl Zichella, *Director of Western Renewable Energy Programs, Sierra Club*

Nada Culver, *Senior Counsel,*

The Wilderness Society

Johanna Wald, *Senior Attorney, Natural Resources Defense Council*

Jordan Macknick,

Energy and Environmental Analyst,

National Renewable Energy Laboratory

Jim Baak, *Policy Director for Utility Scale Solar, Vote Solar*

Regional Comparison of CSP Site Selection Opportunities & Challenges

- Overview of the incentives and schemes state energy authorities have developed to stimulate market demand for concentrated solar power
- Hear the hottest information on topics including county / state permitting, water issues, military restrictions and transmission
- Learn what new initiatives these authorities have in the pipeline to support the further development of CSP in their regions

Eileen Allen, *Manager, siting and compliance officer, California Energy Commission*

Kristy Mayes, *Commissioner, Arizona Corporate Commission*

Dr Hatice Gecol, *Director, Nevada State Energy Office*

CSP Financing

Investor Perspectives on Financing of CSP Projects

- Find out what banks perceive as a feasible project - and if your project is financeable
- Hear about the World Bank's work financing CSP projects in developing countries
- Learn what project types venture capitalists are currently favoring - and why
- Key insight into the state of the tax equity market: Who's still in the space and what other tax equity sources are available to you?
- Get up to speed with the latest developments in the public capital markets and what opportunities are available for solar companies

Moderator: Tom Glascock, *Partner, Orrick*

Dareen Van't Hof, *Vice President Solar, US Bancorp*

Natalia Kulichenko, *Senior Energy Specialist, World Bank*

Mit Buchanan,

Managing Director, Energy Investments, JP Morgan Capital Corporation

Melisa Lewis Wilson, *Senior Vice President, Union Bank*



North American CSP Industry Set for Exponential Growth in 2010 and Beyond

The Department Of Energy Loan Guarantee Programme

- Understand how the loan guarantee program works, how to succeed in the application process and when money is likely to become available
- Discover which projects are likely to qualify for the DOE loan guarantee - and why
- Find out why being "shovel-ready" can secure you that all important government financial support

Jonathan Silver, *Executive Director, Loan Programs, US Department of Energy*

Regulation & Permitting

Bureau of Land Management - Regulation & Permitting of CSP Development

- Your exclusive guide to the permitting process for CSP in the US, understand what permits you need and how to obtain them
- Discover what the BLM has in the pipeline for Concentrated Solar Power development in the solar zones
- Evaluate and analyze the BLM's Fast Track scheme and what this means for CSP development

Ray Brady, *Manager,*

Bureau of Land Management

Transmission

Overcoming Transmission Obstacles to CSP Development in the US

- Evaluate and Analyze the key issues in connecting Concentrated Solar Power to the grid system
- Understand the current and projected expansion plans of the existing grid to support the development of CSP in the US
- Hear about the lessons learned and challenges overcome when integrating solar energy into system operation for the first time

Anne Gillette, *Policy Analyst, Renewables Portfolio Standard Program, California Public Utilities Commission*

Grant Rosenblum, *Regulatory Counsel, California Independent System Operators*

Marc Spitzer, *Commissioner,*

Federal Energy Regulatory Commission

Western Area Power Administration - (Speaker to be confirmed)

Rich Ferguson, *Co-ordinator, CEERT*

Project Development

Project Development Challenges & Opportunities

- Exclusive insight and lessons learnt from developers who actually have steel in the ground and are producing energy
- Life cycle costs and performance - find out how much it really costs to run and maintain a CSP plant and analyse the durability, maintenance and efficiency issues that will affect every element of your site
- Learn about new exciting technologies such as multi-towers and the new trough technology that will help slash the cost of your solar field
- Tower, PT, Dish, Fresnel and multi-tower...will they all co-exist or will there be a clear winner in the technology battle over time?
- Bankable and non-bankable technologies - what are banks looking for and what can be done to turn a non-bankable technology into a positive asset that can actually help you secure funding

José Alfonso Nebrera, *CEO, ACS Cobra*

Gilbert E. Cohen, *Senior Vice President, Acciona*

Jose Martin, *CEO, SENER*

Siemens Presentation - Keynote Presentation

Daniel Duncan, *Vice President & General Manager, Siemens Energy Inc.*

Solar Savings - Ways to Cut the Cost of CSP Plants

- Engineering, Procurement and Construction (EPC) for solar - discover the key differences between solar EPC and EPC in other energy markets, and how EPC's can help you to significantly reduce your costs
- Cost cutting tips - how to increase efficiency, scale up effectively and how to stretch loan terms as far as possible to lower the cost of financing
- Receivers, mirrors, heliostats, thermal fluid, trackers and other key components - discover the latest technological breakthroughs that can significantly reduce your costs
- Economies of scale and technological developments - how size and R&D can contribute to cost reduction

Kelly Beninga, *Global Director, Renewable Energy, WorleyParsons*

Allan D. Bennett, *VP, Solar Market Development, Hydro Aluminum Extrusion Americas*

Michael Magdich, *General Manager Solar - CSP, Guardian Industries*

The CSP Project Life Cycle: an EPC's Insight

- Project Development and Finance
 - Project Finance - the importance of reputation, balance sheet, and credit rating
 - Cycle Optimization - lowering capital cost and levelized cost of electricity
 - Project Certainty - lump sum turnkey price with schedule and performance guarantees
- Project Execution
 - Detailed Design - technology integration, constructability and reliability
 - Procurement - leveraging the global supply chain
 - Construction - labor posture, resource availability and safety
 - Project Management - controlling cost, schedule and quality
- Life After Startup
 - Operations and maintenance - maintaining output and profitability

Brad Friesen, *Vice President, Renewables Business Line, Fluor*

Securing a Power Purchase Agreement for Your CSP Project

- PPAs are a key to financing and developing your project discover what you need to do in order to secure a power purchase agreement in partnership with a utility
- Find out which utilities are excited to work with CSP and get the latest on how they will be pushing forward with installation projects
- Meet their needs - understand what utilities want most from their CSP partners so that you can build long term winning relationships and position your CSP business for future success

Michael DeAngelis, *Manager, AR&DGT Program, Sacramento Municipal Utility District*

CSP Technology

Parabolic Trough Collectors - Nevada Solar One Case Study

- Lessons learned from in the field, learn what the ideal plant size is for minimizing thermal heat loss
- How much it really costs to run and maintain a CSP plant?
- Durability, how long will the mirrors last? As well as maintenance and efficiency issues that will affect every element of your site

Gilbert E. Cohen, *Senior Vice President, Acciona*

Your Roadmap To Delivering a Profitable, Productive & Commercially Successful CSP Business!

Compact Linear Fresnel Reflector (CLFR) - Kimberlina Case Study

- Exclusive performance data from Ausra's 5MW plant, the first CSP plant in California for 20 years
- Get an overview of the plant design and understand the advantages of Ausra's linear Fresnel technology
- Learn about the challenges Ausra faced in the development of the plant and take away best practices to implement yourself

Ausra

Central Power Receiver Plants

- Understand the performance and cost benefits central tower receiver technology holds over parabolic troughs
- Hear an update on the latest technology and efficiency breakthroughs from central power receivers
- Evaluate actual data from in the field and understand how this technology really performs

Dish Sterling

- Exclusive update on dish sterling technology breakthroughs and in the field performance data
- The latest efficiency breakthroughs, and gain a comprehensive understanding of how this technology can cater to both utility and distributed models
- Gain insight into the solar one and solar two dish sterling projects and find out what projects are in the pipeline and market outlook for dish sterling in the future

Panel Session Roundup

Evaluation of Concentrated Solar Thermal Technologies

CSP Technology in Depth - Costs, Performance and Picking Long-Term Winners

- From new startups to established technology models, get the very latest on what will give your project the edge over the competition.
- Discuss the latest designs, installations, costs and maintenance issues and discover which technology is most compatible with and sustainable for your CSP project.
- Hear from representatives from parabolic trough technology to dish stirling, and understand the pros and cons of plant design, installation and operations and maintenance

Direct Steam Generation (DSG) - Capabilities, Feasibility and Planning for Deployment

- DSG power vs Heat Transfer fluid (HTF) - are the promises of 20% cost reduction in electricity prices through DSG really possible?
- Analyze the feasibility of DSG for your plant and discover the technical information, capabilities and constraints that you need to be aware of
- Take advantage of valuable lessons learned from the latest state-of-the-art DSG R&D projects
- Commercial deployment of DSG - what it will take, what the main obstacles are, when it will be possible and what you need to consider to plan ahead

Thermal Energy Storage

Molten Salt Storage - A Spanish Case Study

- Hear from ACS Cobra about their experience using molten salt storage on their Andasol 1 CSP plant
- Evaluate the challenges they faced such as corrosion, salt freezing and other costly problems and discover how they overcame them
- Is Molten Salt storage the right solution for your plant? Discover how it works and how much it costs to set-up and maintain from the people who really know

Antonio Gomez Zamora, **ACS Cobra**

The Progress and Promise of Molten Salt Storage

- Get an informative look at in the field data from a molten salt storage system and discover what you need to take into consideration when designing and constructing a molten salt storage facility for your plant
- The associated risks of molten salt storage - find the best approaches to deal with issues such as corrosion, salt freezing and other costly problems
- Optimize your thermal storage design! From size comparison to realistic costing, get the low-down on how to ensure fast and effective installation of TES for your project

Bill Gould, *Chief Technology Officer*, **Solar Reserve**

Concrete Storage Solutions - Costs, Performance and Potential

- Is concrete storage the right solution for your plant? Discover how it works and how much it costs to set-up and maintain
- Find out why concrete storage is a reliable and flexible solution and how it's scalable design can be a critical advantage over other solar storage solutions
- Results from the latest commercial projects and prototypes - get the inside track on the lessons learned and data collected from the construction and deployment of concrete storage so far
- Get a crash course in the development of concrete storage to date and find out what work is currently underway to reduce costs and improve performance
- The future for concrete storage - hear how researchers are racing to create a super-solar-storing concrete mix that will double the current maximum operating temperature and reduce costs to the levels needed for mass commercialization

Richard Welle, *CTO*, **Phasiks Inc**

Stone Storage for CSP - A New Approach

- Uncover the potential of this newly developed technology that promises to store heat at temperatures above 500° for longer than ever before - without breaking the bank!
- Find out exactly how soon stone storage systems could be developed and deployed for CSP plants and what it would take to make it happen
- How to optimize a stone storage system to take advantage of multiple hour storage - maximizing what's technically possible and saving costs

Panel Session Roundup

Evaluation Of Solar Thermal Energy Storage Systems

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