

POWER-GEN ASIA

CONFERENCE & EXHIBITION

IMPACT EXHIBITION & CONVENTION CENTRE

BANGKOK, THAILAND

3 – 5 OCTOBER 2012

CO-LOCATED WITH:

**RENEWABLE
ENERGY
WORLD**
CONFERENCE & EXPO
- ASIA -



TOWARDS A SECURE ENERGY FUTURE

PRE-SHOW GUIDE

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WELCOME

Dear Colleague

PennWell Corporation is delighted to welcome you to POWER-GEN Asia 2012, celebrating its 20th anniversary in the wonderful city of Bangkok.

POWER-GEN Asia is delighted to be returning to Bangkok, Thailand from 3rd to 5th October 2012, for what will be another outstanding conference and exhibition bringing together many of the leading players, both people and organizations, from the power generation industry.

This year POWER-GEN Asia, the region's premier event for the power generation industry, will again be co-located with Renewable Energy World Asia, the leading event for large scale renewable, alternative and sustainable energy. A combination that makes this the largest gathering of power industry professionals in South East Asia.

POWER-GEN Asia enjoys the full support and endorsement of the leading industry related organizations in Thailand, including the Ministry of Energy, Department of Alternative Energy Development and Efficiency, the Thailand Greenhouse Gas Management Organisation, the Electricity Generating Authority of Thailand, the Metropolitan Electricity Authority and the Provincial Electricity Authority, PTT. The event also benefits from the additional support of Independent Power Producers Forum.

POWER-GEN Asia continues to push the boundaries in conference content and once again offers a leading line up of conference speakers, from around the world, discussing important topics and issues that are key to the power generation and transmission & distribution industries across the ASEAN region.

Economic conditions in South East Asia are currently performing ahead of Europe and America, with economic growth continuing to grow, leading to growth in the demand for power in many countries in the region.

Thailand's GDP is predicted to see a 5.6% growth, leading to a 6% growth in peak power demand between 2012-2016 to 35,600 MW and 44,200 MW by 2021. With current capacity of around 28,500 MW, and despite current energy imports from neighbouring countries, Thailand will see a shortfall in capacity in the next few years.

The Electricity Generating Authority of Thailand generates around 50% of Thailand's electricity and expects to invest around 100 billion Baht (US\$ 3.5 bn) in energy markets in the coming years, as the Ministry of Energy looks to address the energy security issues.

Thailand wants to be a leading country in exporting carbon credits in Asia by promoting study and research on carbon capture and storage (CCS) technology and enabling the country to submit energy projects for certification under the Clean Development Mechanism (CDM), at a total of one million tons CO₂ per year.

POWER-GEN Asia, co-located with Renewable Energy World Asia, will provide the platform for international power executives to meet under one roof and receive vital information first hand. The event offers a unique forum to meet the region's power needs by putting them face-to-face with key decision makers and provide the best possible opportunity to share ideas, meet new contacts and build business relationships.

In this Pre-Show Guide you will find the conference programme, correct at the time of printing, and all the relevant information you need to fully prepare and plan your visit to the show. To participate, simply complete and return the enclosed Registration Form, or register on-line at www.powergenasia.com.

We look forward to welcoming you to the IMPACT Exhibition & Convention Centre, Bangkok, Thailand from 3rd to 5th October, where you will find the best power networking opportunities available in Asia.

The POWER-GEN Asia team



WELCOME FROM THE MINISTER OF ENERGY



The Ministry of Energy is delighted that POWER-GEN Asia and Renewable Energy World Asia are returning to Thailand and we are pleased to announce our support for the event, being held in Bangkok, 3-5 October 2012.

There have been many interesting developments since POWER-GEN Asia was last held in Thailand in 2009. As well as our country's own political developments, and nature's challenges with the floods of 2011 that affected parts of the central region of Thailand, the Fukushima earthquake that has altered policies towards nuclear energy in the region and the slow recovery to the global economic crisis of 2009.

The power generation and transmission and distribution industry has needed to adapt to these challenging times and we are delighted that POWER-GEN Asia offers the opportunity for the industry to gather in Thailand to discuss the important topics and issues that face the region's industries.

The ASEAN region continues to offer exciting business opportunities for companies, with investment in the industry expected to exceed US\$ 50 billion over the next few years.

Thailand is no exception to this, as we look to rebuild our infrastructure to meet our future expected power needs, by investing in new diversified energy sources and updating existing systems to ensure stability and continuity of supply.

I cordially invite you to participate in POWER-GEN Asia and Renewable Energy World Asia 2012 and can assure you will receive a warm welcome to Thailand.

Mr. Arak Chonlatanon
Minister of Energy
Thailand

WELCOME FROM THE GOVERNOR OF EGAT



The year 2012 marks an important time when POWER-GEN Asia and Renewable Energy World Asia will take place again in Thailand. The event is of great significance to various organizations and business enterprises in power supply industry and energy management, including the equipment suppliers, energy service providers, fuels suppliers to the power producers, as well as research and development institutions.

EGAT is a major organization which has played a vital role for decades in power generation, transmission systems and dispatch control system. Its aggregate installed capacity is sustainably about 50 percent of the country's total generating with the use of a major fuel like natural gas in its generation.

In addition to its core business of generation and transmission, EGAT also provides energy-related services to external customers which include private power plants, industrial plants domestically and overseas. Its service business includes operation and maintenance for power plants and transmission system, routine maintenance, engineering and project construction consulting, parts supply and management, chemical supply, and environment-related service etc.

EGAT has also investing in other affiliated companies, which are Electricity Generating Public Company Limited (EGCO), Ratchaburi Electricity Generating Holding Public Company Limited (RATCH), District Cooling System and Power Plant Co., Ltd. (DCAP), EGAT International Company Limited (EGATi), EGAT Diamond Service Co., Ltd. (EDS)

Meanwhile, EGAT has obvious intention to obtain various activities towards society as a whole on basis of Corporate Social Responsibility (CSR). It also appears through empirical data that EGAT strongly concerns about the highest efficiency of utilization of natural resources which save the world from global warming.

As a main endorser and supporter for POWER-GEN Asia and Renewable Energy World Asia 2012, which will be held from 3-5 October 2012 at IMPACT Exhibition & Convention Centre, Bangkok, we would like to take this opportunity to invite those who are interested from governmental and private sectors to be present at the event, which provides a real focus for the power industry from all regions.

On this occasion, we are pleased to extend a warm welcome to all the delegates and participants to POWER-GEN Asia and Renewable Energy World Asia 2012 and look forward to meeting you in Bangkok, Thailand in this coming October.

Mr. Sutat Patmasiriwat
EGAT Governor

EXHIBITION OPENING HOURS

EXHIBITION OPENING HOURS

WEDNESDAY 3RD OCTOBER	10:30 – 18:00
THURSDAY 4TH OCTOBER	10:00 – 18:00
FRIDAY 5TH OCTOBER	10:00 – 16:00

ON-SITE REGISTRATION OPENING HOURS

TUESDAY 2ND OCTOBER	13:00 – 17:00
WEDNESDAY 3RD OCTOBER	08:00 – 18:00
THURSDAY 4TH OCTOBER	08:00 – 18:00
FRIDAY 5TH OCTOBER	08:00 – 16:00

SCHEDULE OF EVENTS

Tuesday 2nd October

08:00 – 17:00	Technical Plant Tour
09:30 – 12:30	Pre-Conference Workshop
13:00 – 17:00	Registration Open

Wednesday 3rd October

08:00 – 18:00	Registration Open
09:00 – 10:15	Opening Keynote Ceremony
10:15 – 10:30	Ribbon Cutting Ceremony
10:30 – 11:00	Networking Coffee Break
10:30 – 18:00	Exhibition Open
10:30 – 18:00	Press Room Open
11:00 – 12:30	Conference Session 1
12:30 – 14:00	Delegate Lunch
14:00 – 15:30	Conference Session 2
15:30 – 16:00	Networking Coffee Break
16:00 – 17:30	Conference Session 3
17:00 – 18:30	Opening Reception

Thursday 4th October

08:00 – 18:00	Registration Open
09:00 – 10:30	Conference Session 4
10:00 – 18:00	Exhibition Open
10:00 – 18:00	Press Room Open
10:30 – 11:00	Networking Coffee Break
11:00 – 12:30	Conference Session 5
12:30 – 14:00	Delegate Lunch
14:00 – 15:30	Conference Session 6
15:30 – 16:00	Networking Coffee Break
16:00 – 17:30	Conference Session 7

Friday 5th October

08:00 – 16:00	Registration Open
09:00 – 10:30	Conference Session 8
10:00 – 16:00	Exhibition Open
10:00 – 16:00	Press Room Open
10:30 – 11:00	Networking Coffee Break
11:00 – 12:30	Conference Session 9
15:00 – 16:00	Closing Reception & Best Paper Awards



POWER-GEN ASIA CONFERENCE GRID

WEDNESDAY 3RD OCTOBER		
09:00-10:30	JOINT OPENING KEYNOTE SESSION	
10:30 - 11:00	Networking Coffee Break	
	TRACK 1	TRACK 2
	Trends, Finance and Planning	Environmental Protection, Flexibility, Fuels & Grid Technology
11:00 - 12:30 Session 1	Joint Plenary Panel Discussion - Strategy and Technology Trends for a Power Hungry Region	
12:30 - 14:00	Delegate Lunch	
14:00 - 15:30 Session 2	Country Spotlights	Emission Control Technologies
15:30 - 16:00	Networking Coffee Break	
16:00 - 17:30 Session 3	Emerging Energy Trends	Flexible Power Generation
17:00 - 18:30	Opening Reception - Sponsored by Pratt & Whitney (Booth G18)	
THURSDAY 4TH OCTOBER		
09:00 - 10:30 Session 4	Generation Portfolio Choices	Gas Turbine Fuel Flexibility
10:30 - 11:00	Networking Coffee Break	
11:00 - 12:30 Session 5	Nuclear Power Generation in Asia	Fuel as a Driver for Choices in Power Generation - Panel Discussion
12:30 - 14:00	Delegate Lunch	
14:00 - 15:30 Session 6	Managing Risks in the Power Sector	Power Grid Technology
15:30 - 16:00	Networking Coffee Break	
16:00 - 17:30 Session 7	Current Developments in Finance & Investment - Panel Discussion	
FRIDAY 5TH OCTOBER		
09:00 - 10:30 Session 8	IPP Market Focus	Carbon Capture & Storage
10:30 - 11:00	Networking Coffee Break	
11:00 - 12:30 Session 9	POWER-GEN Asia 2012 Summary Session	
15:00 - 16:00	Closing Reception & Best Paper Awards	

WEDNESDAY 3RD OCTOBER	
JOINT OPENING KEYNOTE SESSION	
Networking Coffee Break	
TRACK 3	TRACK 4
Power Generation & Plant Technologies	Operation, Optimization & Servicing
Joint Plenary Panel Discussion - Strategy and Technology Trends for a Power Hungry Region	
Delegate Lunch	
Project Case Studies	Steam Turbine Modernization
Networking Coffee Break	
HRSB Options, Installation and Operation	Maintenance Strategies
Opening Reception - Sponsored by Pratt & Whitney (Booth G18)	
THURSDAY 4TH OCTOBER	
Waste-to-Energy & IGCC	Boiler Modernization
Networking Coffee Break	
OEM Gas Turbine Technology	Generator Life Cycle Technology
Delegate Lunch	
Combined Cycle Power Plants	Plant Upgrade & Optimization
Networking Coffee Break	
Combined Heat & Power	Repairs & Inspection
FRIDAY 5TH OCTOBER	
Biomass & Lignite Combustion	Monitoring & Control
Networking Coffee Break	
Advances in Supercritical and USC Technology	Gas Turbine Modernization
Closing Reception & Best Paper Awards	

RENEWABLE ENERGY WORLD ASIA CONFERENCE GRID

WEDNESDAY 3RD OCTOBER		
09:00 - 10:30	JOINT OPENING KEYNOTE SESSION	
10:30 - 11:00	Networking Coffee Break	
	Track 1	Track 2
11:00 - 12:30 Session 1	Joint Plenary Panel Discussion Strategy and Technology Trends for a Power Hungry Region	
12:30 - 14:00	Delegate Lunch	
14:00 - 15:30 Session 2	Energy Security - Fossil Fuels or Renewables? Panel Discussion	
15:30 - 16:00	Networking Coffee Break	
16:00 - 17:30 Session 3	Renewable Integration and the Grid	Developing Sustainable Policy Support for Renewables
17:00 - 18:30	Opening Reception - Sponsored by Pratt & Whitney (Booth G18)	
THURSDAY 4TH OCTOBER		
09:00 - 10:30 Session 4	Case Studies in Renewable Energy Success	Renewables as Least Cost Generation
10:30 - 11:00	Networking Coffee Break	
11:00 - 12:30 Session 5	Solar Markets and Technology	Financing Renewables
12:30 - 14:00	Delegate Lunch	
14:00 - 15:30 Session 6	Spotlight on Geothermal	Developing Renewable Energy Projects
15:30 - 16:00	Networking Coffee Break	
16:00 - 17:30 Session 7	Bioenergies in Asia	Renewable Energy Challenges & Solutions
FRIDAY 5TH OCTOBER		
09:00 - 10:30 Session 8	Towards a Wind Powered Asia	Ancillary Markets: Their Role in Renewable Energy
10:30 - 11:00	Networking Coffee Break	
11:00 - 12:30 Session 9	Advances in Renewables	Reaching out with Renewables: Rural Electrification
15:00 - 16:00	Closing Reception & Best Paper Awards	

HOW TO REGISTER



CHOOSE FROM 4 SIMPLE WAYS TO REGISTER FOR THE POWER-GEN ASIA CONFERENCE AND EXHIBITION:

- Register on-line at www.powergenasia.com
- Complete the Registration Form at the back of this booklet and email to registration@pennwell.com
- Complete the Registration Form at the back of this booklet and Fax Back to +1 918 831 9161
- Complete the Registration Form at the back of this booklet and post to PennWell Registration (POWER-GEN Asia), PO Box 973059, Dallas, TX 7 5397-3059, USA

ARE YOU SMART READY?

If you have a SmartPhone, you can also register on your mobile smartphone by scanning this QR code to go straight to online registration.



REGISTER BY 3RD SEPTEMBER FOR SAVINGS

Register yourself and your colleagues as conference delegates by 3rd September 2012 and benefit from the Early Bird Discount Rate.

Pre-register for the POWER-GEN Asia exhibition online at www.powergenasia.com for Fast Track entry

CONFERENCE DISCOUNT FOR ASSOCIATION MEMBERS

If you are a member of one of the following associations, benefit from a 20% discount on conference delegate fees:

- Asian Institute of Technology (AIT)
- Consulting Engineers Association of Thailand (CEAT)
- Institute of Engineers Singapore (IES)
- Energy Research Institute (ERI)
- Independent Power Producers Forum (IPPF)

See registration form on back page for delegate fees

JOINT OPENING KEYNOTE SESSION



Mr. Arak Chonlatanon
Minister Of Energy - Appointed 18 January 2012

Academic & Training Background:

- 2009 CMA 9 Capital Market Academy
- 2008 Director Certification Program (DCP106) Thai Institute of Directors Association
- 2002 The National Defence college of Thailand(4515)
- 1997 Advanced Management Program (AMP153)
Graduate School of Business Administration Harvard University, USA
- 1972 Electric Engineering, Chulalongkorn University
- 1968 Bangkok Christian College

Professional Experiences:

- 2010-2011 Member of Board of Directors
Mass Rapid Transit Authority of Thailand (MRT)
- 2010 Advisor Shin Corporation Public Company Limited
- 2008-2010 Chief Executive Office
Thaicom Public Company Limited
Chairman Media and New Business
Shin Corporation Public Company Limited
- 2003 Executive Chairman Capital OK, Thai Airasia
- 1999-2000 Chairman, Digital Phone Co.,Ltd
- 1998 Executive Director-Business Development
Shin Corporation Public Company Limited
- 1994-1998 President Shinawatra International Co.,Ltd
- 1992-1990 Executive Vice President Operation
Shinawatra Computer &Communication
Vice President Advanced Info Service Co.,Ltd
General Manager Advanced Info Service Co.,Ltd
- 1989-1990 Managing Director Datacraft Thailand Co.,Ltd
- 1985-1989 Director of Communication Borneo Tech Ltd
- 1978-1985 Engineer&Director of Communication Anglo Thai Co.,Ltd
- 1972-1978 Engineer Electrical Government Authority of Thailand



Mr. Sutat Patmasiriwat
Governor
Electricity Generating Authority of Thailand (EGAT)

Mr. Sutat Patmasiriwat is presently Governor of the Electricity Generating Authority of Thailand (EGAT), one of Thailand's biggest state enterprises and also the biggest power producer owning and operating 48 percent of the whole country generating system.

Mr. Patmasiriwat was born in 1953 and received a Bachelor's degree in Mechanical Engineering from Chulalongkorn University in 1974. Right after his graduation, he joined EGAT in 1975 as an engineer in the Mechanical Maintenance Department and has worked his way through ranks and positions to become the Governor of EGAT. Before becoming EGAT's top leader, he has served a variety of managerial positions, including Director of Mechanical Maintenance Division (2005), Assistant Governor- Operation and Maintenance Business (2006), Assistant Governor- Administration, Generation Area (2007) and Deputy Governor- Generation (2008). He was appointed EGAT Governor in December 2009.

Mr. Patmasiriwat has over 35 years of experience in the electricity supply industry with extensive management experience in generation business, maintenance business and mechanical maintenance etc. He has also attended several management training programs locally and overseas, such as the ASEAN Executive Development Program at Thammasat Business School, Director Certification Program at the Thai Institute of Directors Association (IOD), Senior Executive Development Program at the Foundation for International Human Resource Development in Australia, and Advanced Management Program at Harvard Business School in U.S.A. etc.

In December 2010, as EGAT leader, he was awarded the ASEAN Outstanding Engineering Achievement Award 2010 at the 28th Conference of ASEAN Federation of Engineering Organizations (CAFEO 28) held by the ASEAN Federation of Engineering Organizations (AFEO) in Vietnam for his outstanding professional as well as EGAT's outstanding engineering project which have made significant contributions to Thailand's development.



Kenji Uenishi
President
GE Energy, Asia Pacific

Kenji Uenishi serves as President of GE Energy in the Asia Pacific region, with responsibility for its three businesses: GE Power & Water, GE Oil & Gas, and GE Energy Management.

The journey to this role began more than two decades ago when Kenji joined GE Aviation in Evendale (U.S.) in August 1987, after several years as a Research Engineer at the NASA-Langley Research Center.

Kenji's first role with GE Aviation (formerly known as GE Aircraft Engines) was as an aerospace engineer in its Advanced Technology Operations unit, where he soon progressed to become a senior staff engineer in charge of developing advanced internal and external aerodynamics design technologies.

In 1994, Kenji was selected to be a part of GE Aviation's Global Marketing & Sales Development Training Program. Upon completion of the Program in 1997, Kenji was relocated to Tokyo, Japan where he served as the Regional Sales Director for Marketing & Sales of GE Aviation Japan, and then as its General Manager in 2002.

In January 2008, Kenji assumed his current position as President of GE Energy in the Asia Pacific, maintaining his base in Tokyo.

Kenji received his PhD in Aerospace Engineering from George Washington University in 1983 and an MBA from Xavier University in Cincinnati Ohio in 1993.

POWER-GEN ASIA AND RENEWABLE ENERGY WORLD ASIA JOINT PLENARY PANEL DISCUSSION

WEDNESDAY 3RD OCTOBER – 11:00AM – 12:30PM

TITLE: STRATEGY AND TECHNOLOGY TRENDS FOR A POWER HUNGRY REGION

POWER-GEN Asia and Renewable Energy World Asia launches its conference with a big debate, guaranteed to highlight the key challenges facing the power industry in Asia and the significant opportunities that the fast growing economies of the region offer. Delegates will find out what industry leaders think about the prospects for sustainable energy growth and the constraints that have to be overcome to realise national and regional goals.

Economic growth requires energy as its enabler and the power industry is the provider of this vital lifeblood. Balancing this responsibility with the requirement to protect the environment has put the power industry under the spotlight more than ever before. POWER-GEN Asia and Renewable Energy World Asia's opening panel discussion is a good opportunity to take stock of how the region's industry is performing and what policies, strategies, fuel choices and technologies will need to be employed in the future.

The panel discussion will be moderated by a CNBC news anchor as part of the special coverage this international news channel is giving to POWER-GEN Asia and Renewable Energy World Asia. The panel will consist of seasoned industry experts drawn from leading utilities, suppliers, consultants and policymakers. Delegates will be able to participate by posing questions to the panel, raising issues of particular concern. Designed to set the scene and provide context for the remainder of the event, this big debate will be one not to miss.

Refer to the event websites for details of panellists as they are confirmed.



POWER-GEN ASIA CONFERENCE PROGRAMME

WEDNESDAY 3RD OCTOBER

09:00 - 10:30 JOINT OPENING KEYNOTE SESSION

Session Chair: Nigel Blackaby, Conference Director, PennWell, United Kingdom

10:30 - 11:00

Networking Coffee Break

11:00 - 12:30 SESSION 1: JOINT PLENARY PANEL DISCUSSION - STRATEGY AND TECHNOLOGY TRENDS FOR A POWER HUNGRY REGION

Session Chair: Representative from CNBC Asia Pacific

12:30 - 14:00

Delegate Lunch

Track 1 - Trends, Finance and Planning

14:00 - 15:30 SESSION 2: COUNTRY SPOTLIGHTS

Session Chair: Peter Smart, Thermal Power Generation Manager, Asia, Sinclair Knight Merz, Malaysia

Overview of the Thai Power Market

Mr. Numchai Lowattanakul, Deputy Governor (Planning and System Development), Provincial Electricity Authority, Thailand

Indonesia's Aggressive IPP Program 2010-2019 and the Dominance of Geothermal and Mine Mouth projects

Luke Devine, Baker & McKenzie, Indonesia

Procedures for Gaining an Investment Licence to Build a Power Station in Vietnam

Tan Pham, Worleyparsons, Viet Nam

Co-author:

Tuan Nhu Hoang Nguyen - Power Engineering Joint Stock Company 3, Viet Nam

Track 2 - Environmental Protection, Flexibility, Fuels & Grid Technology

SESSION 2: EMISSION CONTROL TECHNOLOGIES

Session Chair: Ka Keung Chan, CEO, Nature Elements Capital, China

First Principle Predictive Emission and Performance Monitoring Systems for Gas Turbines - Experiences and Application Areas

Jan Sandvig Nielsen, Weel & Sandvig, Denmark

Co-authors:

Djunaidi Chaidir - PT Hyprowira Adhitama, Indonesia

Mogens Weel - Weel & Sandvig, Denmark

Dry Sorbent Injection: A Viable Alternative for Emissions Control

Eric Fleckten, United Conveyor Corporation, United States

Development of Second Generation Dry Low Emissions (DLE) Combustor for the LM6000 PH and the LMS100 PB

Dennis Rayome, GE Aero Energy, United States

Co-authors:

Rick Hook - GE Aviation, United States

Lautaro Montgomery - GE Power & Water, United States

Advanced Emissions Control Technologies for Coal-Fired Plants

Albert Moretti, Babcock & Wilcox Power Generation Group, Inc., United States

Co-author:

Christopher Jones - Babcock & Wilcox Power Generation Group, Inc., United States

Reserve Presentation:

Deployment and Certification of Gas Turbine PEMS in Malaysia

Brian Swanson, CMC Solutions, United States

Keynote Speakers:

Arak Chonlatanon, Minister of Energy, Thailand

Sutat Patmasiriwat, Governor, Electricity Generating Authority of Thailand (EGAT), Thailand

Kenji Uenishi, President, GE Energy, Asia Pacific, Singapore

Networking Coffee Break

Panelists:

- Ka Keung Chan, CEO, Nature Elements Capital, China

- Arun Sen, CEO, Lanco Power International, Singapore

- *Noeleen Heyzer, Executive Secretary, UN ESCAP, Singapore

- *Willem Van Twembeke, Asia CEO, IPR-GDF SUEZ, Thailand

Delegate Lunch

Track 3 - Power Generation & Plant Technologies

SESSION 2: PROJECT CASE STUDIES

Session Chair: Wouter Van-Wersch, Senior Vice President Sales & Marketing Asia Pacific & Country President Singapore, Alstom Power Singapore Pte, Ltd, Singapore

Gas Turbine Fuel Flexibility Serving the Petrochemical Industry: The Case of the Frame 6B at Yeosu, Korea (Honam Petrochemical Co)

Michel Moliere, GE, France

Co-authors:

Heung-Yub Ahn - GE International Incorporation, Korea (South)

Yun Ho Lee - Honam Petrochemical Corporation, Korea (South)

Tanjung Jati Units 3 & 4 Project -- A Multinational Equipment Sourcing Benchmark

Mike Johnson, Black & Veatch, China

Short-term Distributed Generation – Sustainable, Faster and More Fuel Efficient

Mark Manint, Caterpillar, United States

Tuaspring CCPP with Sea Water Desalination in Singapore: An Example for Sustainable Power Generation

Camille Hurn, Hyflux Ltd., Singapore

Co-author:

Thomas Hagedorn - Siemens Pte Ltd, Singapore

Track 4 - Operation, Optimization & Servicing

SESSION 2: STEAM TURBINE MODERNIZATION

Session Chair: Andrew Curtis, Technical Executive, PB Power, Australia

Modernization and Life Time Extension of Steam Power Plants

Thorsten Strunk, Siemens Energy, Germany

Co-author:

Wolfgang Bergemann - Siemens Energy, Germany

Application of EnergyWin to 270MW GTCC System

Shigehiro Miyamae, IHI Power System Malaysia Sdn Bhd, Malaysia

Co-authors:

Kiminori Sato - IHI Power System Malaysia Bhd Sdn, Malaysia

Akihiko Fujita - Electric Power Engineering System Co. Ltd., Japan

Steam Turbine Life Assessment Program for Optimizing Operation and Maintenance from EGAT Experience

Kanit Nangkala, EGAT, Thailand

Co-authors:

Teerapat Chaocharoen, Kobchai Wasuthalainan - EGAT, Thailand

Component Retrofit Concepts for the Chinese and East Asian Steam Turbine Fleets

Mike Davies, Alstom Power, United Kingdom

Co-author:

Piotr Sikon, Alstom Power - Switzerland, Switzerland

**Invited/to be confirmed*

POWER-GEN ASIA CONFERENCE PROGRAMME

WEDNESDAY 3RD OCTOBER (continued)

Track 1 -
Trends, Finance and Planning

Track 2 -
Environmental Protection, Flexibility,
Fuels & Grid Technology

15:30 - 16:00

Networking Coffee Break

16:00 - 17:30 SESSION 3: EMERGING ENERGY TRENDS

Session Chair: Rick Truscott, Director - Generation, CLP Power Hong Kong Limited, Hong Kong

The Mythical Country of Malsinthapines and Some Tough Lessons for Energy Policy

Michael Thomas, The Lantau Group (HK) Limited, Hong Kong

CleanTech as Key Component to Powergen Growth in Asia - Latest Trends

Giuseppe (Joseph) Jacobelli, Asia Clean Tech Energy Investments Co Ltd, Hong Kong

Towards the Sustainable Electricity Generation in Thailand: The Role of Fuel Management

Olam Thunmanond, Electricity Generating Authority of Thailand, Thailand

Thanawat Nakawiro, Electricity Generating Authority of Thailand, Thailand

SESSION 3: FLEXIBLE POWER GENERATION

Session Chair: Nomi Ahmad, Chief Operating Officer, Head of MENA, Lanco International Pte Ltd., Singapore

Sustainable Power Supply Provided by Flexible Power Plants

Thomas Hagedorn, Siemens Pte Ltd, Singapore

Co-author:

Andreas Pickard - Siemens AG, Energy Sector, Germany

Improving Power System Efficiency with Fast Flexible Power – Case Thailand

Saara Kujala, Wärtsilä Singapore Pte Ltd, Singapore

Co-author:

Sushil Purohit - Wärtsilä Singapore Pte Ltd, Singapore

Dynamic Coal Plant to Secure Electrical Grids

Jacques Mercier, Alstom Thermal Power, France

Co-author:

Eric Thevenot - Alstom Thermal Power, France

FlexAero Gas Turbines for Distributed Power Generation

Daniel Loero, GE Energy, United States

17:00 - 18:30

Opening Reception - Sponsored by Pratt & Whitney (Booth G18)



Track 3 -
Power Generation & Plant Technologies

Track 4 -
Operation, Optimization & Servicing

Networking Coffee Break

SESSION 3: HRSG OPTIONS, INSTALLATION AND OPERATION

Session Chair: Dil Devaser, Director & Lead Consultant, Devaser Six Consulting Pte Ltd., Singapore

HRSG Design Features to Meet Today's Cycling and Fast Start-up Requirements

Harpreet Singh, Alstom Power Inc., United States

Co-authors:

Donald Bairley, Wesley P. Bauver, Glenn Selby - Alstom Power Inc., United States

Combine Cycle HRSGs – The Necessity of a Full Scale Life Cycle Analysis and the Impact of SCR on Design

Gordon Saylor, Vogt Power International inc., United States

Linshian Tsai, Vogt Power International, United States

Co-author:

Akber Pasha - Vogt Power International, United States

Cycling Operation and Daily Start –Stop of an HRSG Using Once Through Technology

Anthony Hinde, Innovative Steam Technologies, Canada

SESSION 3: MAINTENANCE STRATEGIES

Session Chair: Tanin Plamin, Sales & Marketing Manager, ABB Limited, Thailand

Combine Cycle HRSGs Maintenance: How to Save Cost by doing 'Focused' Inspections

Mathew Brenner, Vogt Power International, United States

Co-author:

Akber Pasha - Vogt Power International, United States

Lifecycle Efficiency Solutions

Mats Ohls, Wärtsilä Finland Oy, Finland

M701F Gas Turbine Rotor Unstacking Development by Engineering Processes

Isarawit Chaopanich, Electricity Authority of Thailand (EGAT), Thailand

Co-authors:

Jitti Buapoon, Nirun Kimpiam, Chanchai Unpanwat - Electricity Authority of Thailand, Thailand

**Invited/to be confirmed*

Opening Reception - Sponsored by Pratt & Whitney (Booth G18)



POWER-GEN ASIA CONFERENCE PROGRAMME

THURSDAY 4TH OCTOBER

Track 1 - Trends, Finance and Planning

09:00 - 10:30 **SESSION 4: GENERATION PORTFOLIO CHOICES**

Session Chair: Svend Erik Jensen, Vice President Operations Asia, IPR - GDF SUEZ Asia, Thailand

Quantifying System Level Benefits of Flexible Power Generation

Jussi Heikkinen, Wartsila Corporation, Finland

Evolving Energy Dynamics in Asia

Suryanarayan Ramanan, GE Energy, Singapore

Perspective on Technology Choices

* Representative from Lanco International

Optimization

* Representative from EGAT

Track 2 - Environmental Protection, Flexibility, Fuels & Grid Technology

SESSION 4: GAS TURBINE FUEL FLEXIBILITY

Session Chair: Dave Maslin, Regional Power Director, Asia, WorleyParsons, Singapore

Alternative Fuels for LNG Plants in Asia

Vincent Posta, General Electric, France

Gas Turbine Modernization - Fuel Conversion and Special Fuel Applications for the Asian Market

Hardy Kliemke, Siemens AG, Germany

Fuel Flexibility Capabilities of Alstom's GT24 and GT26 Gas Turbines

Khawar Syed, Alstom (Switzerland) Ltd., Switzerland

10:30 - 11:00

Networking Coffee Break

11:00 - 12:30 **SESSION 5: NUCLEAR POWER GENERATION IN ASIA**

Session Chair: John Yeap, Partner, Head of Energy, Asia Pacific, Pinsent Masons, Hong Kong

Overview Presentation

* Representative from Pinsent Masons

The Global Nuclear Renaissance and the Possible Role of Nuclear in Asia

Stefan Hatt, ABB Power Systems, Switzerland

Co-author:

Alessandro Clerici - ABB Power Systems, Italy

China: Product Liability in the Nuclear Industry

Brian De Bruin, Aon Risk Solutions, Hong Kong

SESSION 5: FUEL AS A DRIVER FOR CHOICES IN POWER GENERATION - PANEL DISCUSSION

Session Chair: Mark Hutchinson, Managing Director, IHS Consulting - Energy & Natural Resources, Singapore

Invited Panelists:

- Representative from BP
- Representative from Banpu Public Company
- Representative from PTT

Panelists confirmation will be announced on the event website: www.powergenasia.com

**Track 3 -
Power Generation & Plant Technologies**

**Track 4 -
Operation, Optimization & Servicing**

SESSION 4: WASTE-TO-ENERGY & IGCC

Session Chair: E. William (Bill) Baker, Consulting Engineer, Malaysia

Converting Waste-to-Energy Plants from Waste Destruction to Waste Utilization

Werner Janik, ABB Inc., Power Generation, Germany

Is Energy from Waste (EfW) Using Gasification Bankable?

Duncan Barker, Mott MacDonald, Thailand

Co-author:

Peter Lilley, Mott MacDonald - United Kingdom

Waste to Energy CFB Plant for Production of Power, District Heating and Industrial Steam – Background and Initial Experiences

Christer Olson, Foster Wheeler Energi AB, Sweden

Co-author:

Erik Skog, E.On Heat Sweden AB - Sweden

Progress Update of the MHI Air Blown IGCC and Gasification Plant

Koichi Sakamoto, Mitsubishi Heavy Industries, Ltd., Japan

Co-authors:

Hiroshi Ishii, Mitsubishi, Takashi Fujii - Mitsubishi Heavy Industries, Ltd., Japan

SESSION 4: BOILER MODERNIZATION

Session Chair: J. Gary Weis, Senior Project Manager, Burns & McDonnell International, United States

Research of Reducing the Temperature of Flue Gas and Increasing Efficiency of Boiler, Mae Moh Power Plant

Thitipong Songmahachai, EGAT, Thailand

Coal Flow Balancing of Tangential Coal Firing Burner and the Effectiveness

Geechan Park, Korea South-East Power Co. (KOSEP), Korea (South)

Co-authors:

Min-jae Lee, Young-jin Park, Kwang-yoon Woo -

Korea South-East Power Co. (KOSEP), Korea (South)

Capacity Upgrade, Rehabilitation, NOx Reduction, and Efficiency Restoration (CO₂ Reduction) of Suralaya Units 1 and 2

Steve Borsani, Babcock & Wilcox Power Generation Group, United States

Networking Coffee Break

SESSION 5: OEM GAS TURBINE TECHNOLOGY

Session Chair: John Gustke, Senior Vice President and Regional Director, Black & Veatch, Thailand

One Year of Commercial Operation in Irsching

Kais Sfar, Siemens AG, Germany

Co-author:

Armin Staedtler - Siemens AG, Germany

9FB Heavy Duty Gas Turbine – Platform for Efficient Regional Power Generation

Laurent Cornu, GE Energy, France

Co-author:

Jeffrey Goldmeer - GE Energy, United States

Next Generation GT24/GT26 Further Enhancements and Updates

Matthias Hiddemann, Alstom, Malaysia

Co-authors:

Michael Ladwig, Sasha Savic, Mark Stevens - Alstom (Switzerland) Ltd., Switzerland

Mitsubishi Latest Large Frame Gas Turbine Development and Operating Experience

Shigehiro Shiozaki, Mitsubishi Heavy Industries, Ltd, Japan

Co-authors:

Toshishige Ai, Junichiro Masada, Takashi Kishine - Mitsubishi Heavy Industries, Ltd., Japan

SESSION 5: GENERATOR LIFE CYCLE TECHNOLOGY

Session Chair: Alfred Ziegler, Generator Product Manager, Alstom Thermal Service, Malaysia

Generator Control- The Modular Solution for Generators

Erich Steinmann, ABB, Switzerland

Co-author:

Chaiwoot Saarddee - ABB Limited, Thailand

Kurt Oberhaensli - ABB Power Generation Service, Switzerland

The Case of Stator and Rotor Maintenance for Power Generator Unit 1 and 2 of Samcheonpo Thermal Power Plant

Myung-kyu Kim, KOSEP, Korea (South)

Co-authors:

Gwang-sik Lee, Yong-soo Lee, Young-ho Seo, Kwang-sik Son - KOSEP, Korea (South)

Experience of Development, Operation and Modernization of the Air-Cooled Turbogenerators Series

Mikhail Roytgarts, OJSC "Power Machines", Russian Federation

Co-author:

Oleg Antonyuk, Power Machines - OJSC, Russian Federation

Optimum Timing of Winding Maintenance Based on a Combination of On-Line Monitoring Data and Off-Line Inspections

Bernhard Fruth, Maser Quartzelec Services Sdn Bhd, Malaysia

Co-authors:

Dominic Buse, Quartzelec Ltd - United Kingdom

Ruben Plattner - Quartztec GmbH, United Kingdom

**Invited/to be confirmed*

POWER-GEN ASIA CONFERENCE PROGRAMME

THURSDAY 4TH OCTOBER (continued)

Track 1 - Trends, Finance and Planning

Track 2 - Environmental Protection, Flexibility, Fuels & Grid Technology

12:30 - 14:00

Delegate Lunch

14:00 - 15:30 **SESSION 6: MANAGING RISKS IN THE POWER SECTOR**

Session Chair: Charles G. Diestel, Vice President, Samsung C&T Corporation, Korea (South)

Managing the Insurance & Risk Management Costs of a New Build Power Project in Asia

John Roberts, Willis Group Limited, United Kingdom

Managing Disputes in the Power Industry

Mary Thomson, Brandt Chan & Partners in asso. with SNR Denton, Hong Kong

Holistic Risk Allocation

Representative from Navigant Consulting

SESSION 6: POWER GRID TECHNOLOGY

Session Chair: Jari Vepsäläinen, Director, The Switch, Hong Kong

The Grid is Back - Facing New Complexities in the Emerging Asian Energy Sector

Stefan Ritzmann, ABB Power Generation Service, Switzerland

Islanding Mitigation of Distributed Generation Connected Distribution System

Tanat Boonsomrak, Provincial Electricity Authority, Thailand

Large Scale Industrial Power System with Co-generation Reliability Improvement: Case Study in Thailand - the Integrated Refinery and Petrochemical Complex

Sithiwoot Tongsrichantra, Proactive Energy Co.,Ltd., Thailand

Co-authors:

Prasan Kungwolngan, Sirisook Anukul, Sakhon Boonterm, Sarayut Bunditthai, Sadudee Chayarat, Wisut Chomchurai, Peerasith Inthong, Putiphong Kanokbannakorn, Ponsak Montreepila, Jeeratip Ongkaruangpong, Thudthep Pianphasuk, Komkrit Plengplang, Chusak Pongsawadarn, Chakrapong Prombutra, Tassanai Teepapal - IRPC Plc., Thailand

From Energy Chain to Power Matrix - Transmission Systems are Getting More Flexible

Pakorn Thepparat, Siemens, Germany

Co-authors:

Dirk Ettrich, Dietmar Retzmann, Karl Mecker - Siemens, Germany

15:30 - 16:00

Networking Coffee Break

16:00 - 17:30 **SESSION 7: CURRENT DEVELOPMENTS IN FINANCE & INVESTMENT - PANEL DISCUSSION**

Session Chair: Daniel Liew, Partner, SNR Denton, Hong Kong

Panelists:

- Benjamin Cornet, Principal Environmental Scientist, Mott MacDonald, Singapore
- *Andrew Kinloch, MD, Logie Group Ltd., Hong Kong
- Robert Todd, Director, Renewable Energy, Resources and Energy Group, Global Banking, HSBC, Hong Kong
- Eugene Vogel, Vice President Project Development, Siemens Project Ventures GmbH, Germany
- *Mason Wallick, Director, Energy & Infrastructure, WestLB AG, Singapore

**Track 3 -
Power Generation & Plant Technologies**

**Track 4 -
Operation, Optimization & Servicing**

Delegate Lunch

SESSION 6: COMBINED CYCLE POWER PLANTS

Session Chair: Peter Smart, Thermal Power Generation Manager, Asia, Sinclair Knight Merz, Malaysia

Rapid Start & Flexible Operation – Emerging Technologies in Advanced Gas Turbine Combined Cycle Plants

Jagatheesan Senthilvel, WorleyParsons Group Inc, United States

Enhanced Water/Steam Cycle for Advanced Combined Cycle Technology

Thomas Hagedorn, Siemens Pte Ltd, Singapore

Co-author:

Andreas Pickard - Siemens AG, Energy Sector, Germany

Flexicycle™ Power Plants – Combining Unique Operational Flexibility with Optimum Combined Cycle Efficiency

Risto Paldanius, Wärtsilä Corporation, Power Plants, Finland

SESSION 6: PLANT UPGRADE & OPTIMIZATION

*Session Chair: *Representative from EGAT*

Modernization of Control System – A Case Study for a 500MW Coal-Fired Power Plant

Hong-Ryul Choi, ABB, Korea (South)

Co-author:

Chan-Duk Park - ABB, Korea (South)

Improved Output at Bang Pakong Combined Cycle Power Plant

Vichet Pisitamornchai, EGAT(Bang Pakong Power Plant), Thailand

De-risking Thermal Power Plant Upgrade, Refurbishment and Life Extension Projects

Andrew Curtis, PB Power, Australia

Co-authors:

Varman Ramachandran, Malky Valentine - Parsons Brinckerhoff, Singapore

Upgrading of Electrostatic Precipitators

Josef von Stackelberg, Rico-Werk Eiserlo & Emmrich GmbH, Germany

Networking Coffee Break

SESSION 7: COMBINED HEAT & POWER

Session Chair: Sridhar Samudrala, Director Asia, World Alliance for Decentralized Energy, United States

CHP Power Plants – The Answer to the Demand for Sustainable, Flexible and Highly Efficient Power Generation?

Wendelin Magin, ABB AG, Germany

Glow Phase 5 Combined Cycle / Cogeneration Project— Overcoming Challenges to Deliver a Clean, Reliable, Low Emission Plant

Mark McDermott, Black & Veatch, Thailand

Aeroderivative Combined Heat and Power in China

James DiCampli, GE Energy, United States

**Invited/to be confirmed*

SESSION 7: REPAIRS & INSPECTION

Session Chair: John C.Y. Lee, Sales Manager, Caterpillar, Singapore

The Reverse Engineering and Re-design Activities on Third Party Generators: an Innovative Approach

Fabrizio D'Agostino, Ansaldo Energia, Italy

Co-author:

Marcello Bottani - Ansaldo Energia, Italy

Reduce Repair Cost And Extend Life of F Class Gas Turbine Hot-Section Components

Maggie Zheng, TCI Gas Turbine Technologies, China

Advances in Three Dimensional Measurement in Remote Visual Inspection

Alfred Ng, GE Measurement & Control, Inspection Technologies, Singapore

Co-authors:

Edward B. Hubben, David Jervis - GE Measurement & Control, Inspection Technologies, Singapore

Automation of Gas Turbine Performance Optimisation; Elements of Design and Experience

Chris Soileau - Wood Group GTS, USA

POWER-GEN ASIA CONFERENCE PROGRAMME

FRIDAY 5TH OCTOBER

Track 1 - Trends, Finance and Planning

09:00 - 10:30 **SESSION 8: IPP MARKET FOCUS**
Session Chair: Normen Kegler, Council Chairman, Independent Power Producers Forum, Hong Kong

Is the "International Power Producer" a Relic of the Past?
Sarah Fairhurst, The Lantau Group (HK) Limited, Hong Kong

Analysis of costs of capital for IPPs in Southeast Asia
Manas Tamotia, L.E.K. Consulting, Thailand

Macro Analysis of Issues and Prospects in Indian IPP Sector
Raja Gopal Krotthapalli, Lanco Power Limited, India

IPPs in China
* Representative from CLP

Track 2 - Environmental Protection, Flexibility, Fuels & Grid Technology

SESSION 8: CARBON CAPTURE & STORAGE
Session Chair: Charles G. Diestel, Vice President, Samsung C&T Corporation, Korea (South)

Carbon Capture and Storage- Asia Outlook
RP Gokul, Ernst & Young, India
Co-Author:
Janani Ganesh - Ernst & Young, India

Techno-economic Evaluation of CCPP Retrofit for CO₂ Abatement
Adriana Catanase - ESB International, Ireland
Co-author:
William Phang, ESB International, Ireland

Securing Funding for Carbon Capture and Storage Projects
Kirsten Foy, Parsons Brinckerhoff, Ireland

10:30 -11:00

Networking Coffee Break



**Track 3 -
Power Generation & Plant Technologies**

**Track 4 -
Operation, Optimization & Servicing**

**SESSION 8: BIOMASS & LIGNITE
COMBUSTION**

Session Chair: Sean Purdie, Development Director Power Asia and Australia - Pacific, PB Power, Hong Kong

Highly-Efficient Utilization of Biomass Fuel with the CFB Technology, R&D Development and Actual Performance

Naoki Matsuyama, Sumitomo Heavy Industries, Japan

Co-authors:

Yoshihiro Nakatani, Takemi Watanabe - Sumitomo Heavy Industries Ltd., Japan

Advanced Coal Combustion System for the Next Decade

Shinji Wanatabe, IHI Corporation, Japan

Co-authors:

Ryuunosuke Itokazu, Emi Ohno, Takuya Okada, Masato Tamura - IHI Corporation, Japan

B&W PGG IR-CFB: Operating Experience and New Developments

Kevin McCauley, The Babcock & Wilcox Company, United States

Co-authors:

Kiplin C. Alexander - Babcock & Wilcox Power Generation Group, Inc., United States

Mikhail Maryamchik - Babcock & Wilcox, United States

Donald Wietzke - The Babcock & Wilcox Company, United States

Advanced Lignite Boilers with Supercritical Steam Conditions

Qiurong Chen, Alstom Power, China

Co-author:

Heinz Lorey - Alstom Power Systems GmbH, Germany

SESSION 8: MONITORING & CONTROL

*Session Chair: *Keh Sai Lee, Electrical Consultant, K.S. Lee & Associates, Singapore*

Analysis on Life Time Extension of Gas Turbine Rotors

Mark Hendriks, Sulzer Turbo Services Venlo B.V., Netherlands

Lowering Control System Lifecycle Costs and Risks Through System Evolution

Ronald Becker, ABB Power Generation, United States

Corrosion in Cooling Towers

Riccardo Provasi, SPIG S.p.A., Italy

Case Study: Remote Operations and Monitoring of Origin Energy Open Cycle Power Stations and Managing Security of Control Systems

Ravi Malik, Origin Energy, Australia

**Invited/to be confirmed*

Networking Coffee Break



POWER-GEN ASIA CONFERENCE PROGRAMME

FRIDAY 5TH OCTOBER (continued)

Track 1 -
Trends, Finance and Planning

Track 2 -
Environmental Protection, Flexibility,
Fuels & Grid Technology

11:00 - 12:30 SESSION 9: POWER-GEN ASIA 2012 SUMMARY SESSION

Session Chair: Nigel Blackaby, Conference Director, PennWell, United Kingdom

Highlights of the conference programme from the past 3 days by Jacob Klimstra, Consultant, Jacob Klimstra Consultancy, Netherlands, featuring participation from session chairs and audience electronic voting.



15:00 -16:00

Closing Reception & Best Paper Awards

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**Track 3 -
Power Generation & Plant Technologies**

**Track 4 -
Operation, Optimization & Servicing**

SESSION 9: ADVANCES IN SUPERCRITICAL AND USC TECHNOLOGY

Session Chair: Sundara Kavidass, Vice President / Corporate Engineering Services, Adani Power Ltd., India

CFB Technology's Ideal Fit for India's Need for New Power Generation Capacity

Robert Giglio, Foster Wheeler Global Power Group, United States

Latest Supercritical Boiler Technology – Paiton Expansion 815MW Coal Firing Boiler

Naofumi Abe, Mitsubishi Heavy Industries, Ltd., Japan

Co-authors:

Kazuhiro Domoto, Masahiko Matsuda - Mitsubishi Heavy Industries, Ltd., Japan

Advanced Ultra-Supercritical Power Plant (700 to 760C) Design for Indian Coal

Paul Weitzel, The Babcock & Wilcox Company, United States

Co-authors:

Brent M. Boring, James M. Tanzosh - Babcock & Wilcox Power Generation Group, Inc., United States

Solar Energy Integrated High-efficient Lignite-fired USC Power Generation Plant

Masatoshi Hisatome, Japan Bank for International Cooperation, Japan

Co-author:

Takahiko Onozuka - Japan Bank for International Cooperation, Japan

Reserve Presentation

Steam turbines for UltraSuperCritical applications: design and experience

Luciano Cozza, Ansaldo Energia, Italy

SESSION 9: GAS TURBINE MODERNIZATION

Session Chair: Suqing Wang, Manager of Power Generation Services (Northeast Asia), Black & Veatch, China

A Countermeasure against Derated Load & Wide Heating Value Range Problems for DLN Gas Turbine

Praphan Thammanontikul, Wang Noi Power Plant (EGAT), Thailand

Niphon Phithakchaichan, EGAT, Thailand

Gas Turbine Modernizations – Flexible Service Modernization Products for the Asian Market

Petra Michalke, Siemens AG, Germany

Co-authors:

Juan García Wistaedt, Thomas Schmuck - Siemens AG, Germany

Alternative NOx Control and Equipment Retrofit for an E-Class Combined-Cycle Cogeneration Power Plant

Jeffrey Benoit, Power Systems Mfg, LLC – An Alstom Company, United States

Co-authors:

Sheng An - Suzhou Industrial Park Blue Sky Gas Cogen-Power Co, China

James Leahy, Keith Ward - Power Systems Mfg, LLC – An Alstom Company, United States

Aeroderivative Gas Turbine Fuel Flexibility

Michal Knapcyck, Development Engineer, GE Energy, Poland

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Closing Reception & Best Paper Awards

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United Conveyor Corporation
Thailand

Mr. Joel Laykin

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Independent Power
Producers Forum
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Maintenance Division
Electricity Generating
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POWER-GEN ASIA TECHNICAL PLANT TOUR

Technical Tour – Wang Noi Power Plant

Owner/Operator: Electricity Generating Authority of Thailand (EGAT)

Date: Tuesday 2nd October 2012

Meeting Point: POWER-GEN Asia Registration Area, IMPACT Exhibition & Convention Centre

Meeting Time: 8am

Duration: All day

Cost: €95

WANG NOI POWER PLANT

The Wang Noi Power Plant is located on the area of 280 acres at Wang Noi District within Ayutthaya province. It is approximately 70 kilometers north of Bangkok and 29 kilometers from Impact Exhibition and Convention Centre.

The power plant is equipped with three combined cycle blocks, incorporating six gas turbines and three steam turbines. The official synchronization was completed in April, 1996 and the Commercial Operation Date (COD) in May, 1996. The main fuel for plant generation is natural gas from two sources – the Gulf of Thailand and Myanmar. Diesel oil of 60 million liters has been reserved as supplementary fuel in case of gas supply interruption. The total capacity of Wang Noi Power Plant is 2,027 MW and the gross capacity from the years 1996 to 2011 was totally 147,428,708,433 million kWh.

An Inlet air cooling system of 20,000 ton has been installed at Block 3 combined cycle power plant. The installation was completed in June 2012 and can further enhance the capacity of 70 MW to the gross generation. Wang Noi Block 4 combined cycle power plant is currently under construction. The project will be completed in June 2014 and will add the capacity of 785 MW to the present generating system.

During Thailand's severe flooding at the end of 2011, Wang Noi Power Plant developed emergency plans and could successfully save the power plant from flooding. And from that point, a flood barrier at length of 5 kilometers has been built to protect the total area of 1,280,000 square meters.

Wang Noi Power Plant has promoted utilization of efficient energy and technology and has carried out its operation in complete compliance with all applicable laws and regulations. From July 2007 up to present, the power plant has given over Bath 450 million into Community Development Fund and has carried out a wide range of social and environmental activities to develop and build the better living of neighboring community i.e. public health, education, occupational promotion, cultural conservation etc.

Wang Noi Power Plant has received ISO 14001, ISO9001, and TIS18001 certification. Since 2002, the power plant has been honored for its outstanding business operations for nine consecutive years and has received an award for two million hours of operation with zero accidents.

To book your tour place visit www.powergenasia.com or complete and return the Registration Form at the back of this programme.

Please Note:

- No onsite registration will be available
- All attendees must be registered and paid for the tour before **Friday 31 August**
- All attendees will have to provide the required additional information (A form will be sent to you upon registration) by **Monday 3 September** or will not be granted access to the plant



PRE-CONFERENCE WORKSHOP

SPECIALIZED MARKETING, SALES & COMMUNICATION TECHNIQUES TO THE GLOBAL POWER GENERATION MARKET

Thursday 2nd October 09:30 - 12:30

Conference Area, IMPACT Exhibition & Convention Centre

Instructor: Ravi Krishnan, Managing Director, Krishnan & Associates Inc.

Who Should Attend

Marketing & sales executives, project managers & engineers, R&D personnel from OEMs and service providers to the International Power Industry

Course Overview and Objective

This course contains specialized marketing techniques & strategies to utility & industrial facilities in the global power industry affected by emission control regulations. The techniques and tools identified would include optimizing a company's sales & marketing effort to the global power, pulp & paper, cement, refining and other related industries. The specific focus will be on United States, European, and some Asian markets such as India.

Specialized techniques to generate leads and opportunities include:

1. Targeted Database Marketing to the Power Industry
2. Advertising, Sales & Business Development Strategies
3. Direct Selling & Lead Generation
4. E Marketing Techniques
5. Building a Customer Intelligence System
6. Competitive Intelligence
7. Marketing Collateral

8. Internet Optimization & SEO

9. Media & Branding Strategies for Global Industry Recognition

10. Market Intelligence, Forecasts, & Market Research

Course Highlights

- Presentations & case studies
- Database tools & internet intelligence index
- Sales & marketing, branding strategies
- Lead generation & building proposal opportunity volume

Instructor's Biography

Ravi Krishnan, Managing Director, Krishnan & Associates Inc.

Ravi's areas of expertise are international marketing & business development for the global power industry. His firm successfully markets a range of equipment, services and environmental technologies to power plants and industrial facilities. Key areas of focus are new market penetration, product launch, market development, customer acquisition, strategic alliance establishment, and brand management.

Workshop fee: €375.00

For registration information see page 36



POWER-GEN ASIA OPENING AND CLOSING RECEPTIONS

POWER-GEN ASIA 2012 OPENING RECEPTION - SPONSORED BY PRATT & WHITNEY BOOTH G18

Wednesday 3rd October 2012
17.00 – 18.30



EXHIBITION FLOOR

The POWER-GEN Asia Opening Reception is an ideal opportunity for you to continue business discussions or just relax at the end of a busy day.

You are cordially invited to attend and enjoy a selection of canapés and drinks and welcome to bring your colleagues, clients and prospective business partners.

The Opening Reception is open to all and is free of charge

We sincerely hope you can join us at this reception and look forward to meeting you.

The POWER-GEN Asia team.

CLOSING RECEPTION AND BEST PAPER AWARDS

Friday 5th October
15.00 – 16.00

DELEGATE RESTAURANT

Please join us in the Delegate Restaurant after the close of the conference sessions on Friday 5th October, for the Closing Reception and announcement and presentation of the prestigious POWER-GEN Asia 2012 Best Paper Awards to be held during the closing reception.

Judges from POWER-GEN Asia's expert conference programme advisory board will choose a Best Paper Award winner from each of the POWER-GEN Asia conference tracks, based on outstanding concept, content and presentation during the conference.

This awards presentations will be followed by a selection of drinks and refreshments.

Take this opportunity to show your support and appreciation for industry innovation by attending the awards presentations.



POWER-GEN DIRECTEVENTCONNECT GLOBAL COMMUNITY

DO YOU WANT TO MAKE POWER-GEN ASIA 2012 THE MOST VALUABLE EVENT OF THE YEAR ?

Start planning with My Event Planner today !

HOW IT WORKS

My Event Planner is an exhibition organizer and scheduler that lets you view, compare and bookmark exhibiting companies, products and services that interest you while you search the POWER-GEN DirectEventConnect Global Community exhibitor directory. You can build, refine and add to your planner right from your desktop. After you bookmark exhibitors and products, they are automatically saved as favourites and are highlighted on your printable floor plan for you to follow on site.



SEARCH

- Preview who and what will be at the event
- Stay up-to-date on new products and exhibitors in the community with customized newsletters sent directly to you based on your attendee profile
- Request information and book appointments with exhibitors that interest you save
- Bookmark products and exhibitors that interest you to save to your favourites
- Recommend exhibitors and products to supervisors and colleagues
- Maximize your time at the event and save money by planning ahead with your Event Planner



CONNECT

- Network with other registered attendees and exhibitors
- Build your event planner that lists your favourite exhibitors on a printable floor plan for you to follow at the event
- Print your customized floor plan based on your favourite exhibitors

Log on to the POWER-GEN DirectEventConnect exhibitor directory and start planning your event now! www.globalpowergen-community.com

For further information or questions please contact:

POWER-GEN Events

DirectEventConnect Team

Phone: +1 877 214 8364

Fax: +1 888 783 4305

E-mail: content@community.power-gen.com



EXHIBITION FLOORPLAN

Challenger Hall 1
IMPACT Exhibition & Convention Centre



EXHIBITOR LIST

■ POWER-GEN Asia

■ Renewable Energy World Asia

NAME	BOOTH	NAME	BOOTH
ABB PTE LTD	I2	KAWASAKI GAS TURBINE ASIA	H8
AGGREKO INTERNATIONAL POWER PROJECTS	J2	KC ENGINEERING LTD.	C28
AIR NEW ZEALAND GAS TURBINES	G28	KOMIPO (KOREA MIDLAND POWER CO., LTD.)	D60
ALLEN GEARS	J43	LESLIE CONTROLS INC	G44
ALSTOM CYBER CAFÉ	B8	LIANG CHI INDUSTRY (THAILAND) CO., LTD.	I21
ANSALDO ENERGIA	D18	MAGOTTEAUX CO.,LTD	E69
APAC ENERGY RENTAL PTE LTD	B59	MAPNA GROUP	F2
AUMA RIESTER GMBH & CO. KG	H46	MEE INDUSTRIES INC	A26
AUSTRALIAN WINDERS	H59	MEGAFLEXON CO., LTD.	E66
BABCOCK & WILCOX COMPANY, THE	A18	MEGGITT CONTROL SYSTEMS	A28
BABCOCK POWER INC	G32	MITSUBISHI HEAVY INDUSTRIES LTD	D2
BAND-IT CLAMPS (ASIA) PTE LTD	K55	MORGAN CERAMICS	A41
BEAUDREY	A31	MORGAN SCHAFFER INC.	B44
BFI AUTOMATION	J8	MOTORTECH GMBH	H42
BLACK & VEATCH CORPORATION	J56	MTU ONSITE ENERGY (A TOGNUM GROUP BRAND)	G2
BORSIG GMBH	A45	NATIONAL ELECTRIC COIL	H40
BRADEN MANUFACTURING	H26	NATIONWIDE BOILER INC	A29
BRENTWOOD ASIA LTD.	J52	NOOTER/ERIKSEN	B26
BRUSH	H18	NORPLEX - MICARTA	A51
CCI AN IMI SEVERE SERVICE COMPANY	G27	P POWER GENERATING CO.,LTD	E56
CHINT ELECTRIC CO., LTD	F44	P.A.N. IMPORT CO. LTD	D55
CHROMALLOY	H32	PCC ENERGY GROUP	A56
CLEAN ENERGY SYSTEMS CO., LTD	F59	PENNWELL	A67
CLEAVER-BROOKS	A13	PI MAGAZINE ASIA	J58
CMI-THAI SERVICES CO.,LTD.	K45	PIC ASIA - PACIFIC SDN. BHD.	G22
COEN COMPANY, INC. / HAMWORTHY COMBUSTION	C40	PLYMOUTH TUBE COMPANY	D31
CONSULECTRA UNTERNEHMENSBERATUNG GMBH	F56	POWER INSTRUMENTS PTE LTD/ DEIF	J48
CORMETECH INC	A39	POWER MACHINES	G40
CRESTCHIC LTD	J20	PRATT & WHITNEY POWER SYSTEMS	G18
CVT CORP	C70	PRECISION POWER SERVICES COMPANY LIMITED	J56
DAEYOUNG C & E CO.,LTD.	A55	PROVINCIAL ELECTRICITY AUTHORITY	F26
DEE DEVELOPMENT ENGINEERS LTD	B70	QUARTZELEC LTD	E40
DOOSAN HEAVY INDUSTRIES & CONSTRUCTION	C1	REMAZEL ENGINEERING SPA	C29
DPCLEANTECH	D50	RENTECH BOILER SYSTEMS INC.	J36
DRESSER-RAND	B40	RICO-WERK EISERLO & EMMRICH GMBH	J65
DURAG GMBH	G26	SC ENGINEERING CO.,LTD.	E60
EDWARDS LTD	D27	SHELL LUBRICANTS	I17
ELECTRICITY GENERATING AUTHORITY OF THAILAND	D8	SHIN NIPPON MACHINERY CO LTD	E50
ELLIOTT GROUP	H56	SIPOS AKTORIK GMBH	F34
ENERGY EXEMPLAR PTY LTD	J66	SPIG SPA	F28
ENERPROJECT SA	C32	STEJASA. AGREGADOS INDUSTRIALES,S.A.	C43
ENVIRONMENT ONE	J39	SUMITOMO HEAVY INDUSTRIES LTD	F50
EST ASIA PTE LTD	J41	THE HILLIARD CORPORATION	H22
ESTERLINE ADVANCED SENSORS	G45	THERMAL ENGINEERING INTERNATIONAL INC. (TEI)	G32
ETS POWER GROUP	A17	TI ANODE FABRICATORS PVT. LTD.	J30
FORBES MARSHALL PVT. LTD.	J44	TLT-BABCOCK INC	B27
FOSTER WHEELER GLOBAL POWER GROUP	E26	TOSHIBA	A32
GAS TURBINE CONTROLS	G43	TRIVENI TURBINE LTD.	A40
GEA HEAT EXCHANGERS GMBH	G8	TRUWATER COOLING TOWERS SDN BHD	B64
GTI-ALTRONIC	H28	TURBINE BLADING AND PARTS	J45
HALDOR TOPSOE	J26	VEOLIA WATER SOLUTIONS & TECHNOLOGIES	F60
HAMON	A1	VOGT POWER INTERNATIONAL	G32
HEATEC CO.,LTD / BABCOCK BORSIG SERVICE	C34	WAMAR INTERNATIONAL INC	G33
HITACHI LTD POWER AND INDUSTRIAL SYSTEMS	E8	WARTSILA FINLAND OY	A2
HKR CO., LTD	F22	WEIR POWER & INDUSTRIAL	H60
HOWDEN	I9	WOOD GROUP GTS	K51
HYDRO AUSTRALIA	D64	YONGLI ARGO MACHINERY CO LTD	F55
IBAU HAMBURG	H66	ZIGOR HK LTD.	C50
IHI CORPORATION	F18	ZOK	A25
IMI INDUSTRIES CO. LTD	E44		
INDUSTRIAL POWER TECHNOLOGY PTE LTD	B50		
ISOPUR FLUID TECHNOLOGIES	J18		

For a full list of exhibitors, products and services, visit www.powergenasia.com

PRESS OFFICE PR & SOCIAL NETWORKING

PennWell Corporation has appointed Public Relations & Media Consultants (PRMC Thailand), a dedicated public relations consultancy, to promote POWER-GEN Asia and its co-located event Renewable Energy World Asia. Their objective is to gain as much publicity as possible for the show and promote your organisation's presence at the event. The closer you work with them 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:

Press Releases or Announcements

Please provide your press releases or details of any product launches or announcements you will be making at the event.

In-house publications

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, PRMC can assist with content, logos and images.

Press Room

Exhibitors can display press kits, releases and notices in the press room during the event.

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 PRMC is made aware of. If your organisation is planning any press activity at the event please ensure you inform PRMC.

Social Media

Our PR campaign is geared towards achieving the highest possible search engine ranking for the show and related searches. With Google now arguably the most important business tool on the planet, leveraging social media and social networking opportunities to ensure our communications reach the widest possible audience is an essential aspect of the PR campaign.



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:

http://www.linkedin.com/groups?gid=2501788&trk=hb_side_g



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:

<http://twitter.com/#!/powergenasia>



Facebook:

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

<http://www.facebook.com/pages/POWER-GEN-ASIA/110784055716556>

Please use the hashtag #PGAsia when mentioning the event on any social media sites.

PR CONTACTS

Suthi Chatterjee

PRMC Thailand

Tel: +66 2 247-6533

Fax: +66 2 247-7868

Mobile: +66 (0) 87-060-5960 (during show only)

Email: suthi@prmcthailand.com

PENNWELL MARKETING CONTACTS

Neil Walker

Manager of International Event Marketing

POWER-GEN Asia

Tel: +44 1992 656 643

Fax: +44 1992 656 700

Mobile: +44 7711 421 524

Email: neilw@pennwell.com

HOW TO GET THERE

POWER-GEN Asia

Challenger Hall 1,
 IMPACT Muang Thong Thani Exhibition &
 Convention Centre

IMPACT Muang Thong Thani Exhibition & Convention Centre

Bangkok Land Building , 99 Popular Road
 Banmai Subdistrict , Pakkred District
 Nonthaburi 11120 Thailand
 Tel: +66 (0) 2833 4455
 Fax: +66 (0) 2833 4456
 Email: info@impact.co.th



IMPACT Link

The easy way from your Hotel to POWER-GEN Asia

IMPACT Link is a direct shuttle bus service between IMPACT Muang Thong Thani and the BTS Mo Chit Station, located in the heart of Bangkok city centre.

Buses depart the station every 15 minutes and the service runs from 6am – 10pm daily. The fee is 30 Baht each way with an IMPACT Link Coupon, purchased on the bus.

For more information, contact Call center at 02-833-5555

IMPACT LINK
 Shuttle Service

Partnership for Success

IMPACT LINK รถรับ-ส่ง
 ปลายทาง IMPACT- BTS โมชิต (ฟรี)
 • งดรับ 06.00-22.00 น.
 • ระยะทาง ๗.15 นาที
 • เป็นบริการรถด่วนพิเศษ

IMPACT LINK Shuttle Service
IMPACT Muangthong Thani - BTS Mo Chit
 • Daily: 06.00-22.00 hrs.
 • Depart from station every 15 minutes
 • Super fast by using Express Way

จุดรับ-ส่งรถบริการพิเศษ
IMPACT pick-up and drop-off area

- ฝั่งใต้ ถนนพหลโยธิน
- Muang Thong Thani Hotel (on corner)
- ฝั่งใต้ถนนพหลโยธิน
- Opposite of Anna's Front
- ฝั่งตะวันออก ถนนพหลโยธิน
- Opposite Sky Station Bridge (Front of Hotel Annex)

จุดรับ-ส่งรถบริการพิเศษ
BTS Mo Chit pick-up and drop-off area

- ฝั่งใต้ถนนพหลโยธิน
- Car park beside of BTS Mo Chit (Exit 3)



The IMPACT Muang Thong Thani Exhibition & Convention Centre is a 45-minute drive from Suvarnabhumi International Airport and 20-minute drive from a heart of Bangkok via the city's extensive expressway system.

TRAVEL AND HOTEL ACCOMMODATION

FLIGHTS TO BANGKOK

We are delighted to announce THAI AIRWAYS as the Official Airline to POWER-GEN Asia.

THAI AIRWAYS are offering a Special Net Fare for delegates and visitors travelling on THAI international flights to attend the event in Bangkok.

All reservations, ticketing, and payment must be made directly with THAI Airways International offices, with the following information:

1. Event Name – POWER-GEN Asia
2. Event Code "TG1210026"
3. Provide Confirmation of Registration ticket



For details of your local THAI AIRWAYS branch and contact details, please visit www.powergenasia.com or scan this QR code with your smart phone:



HOTEL ACCOMMODATION

For more information please contact:

Director – International Events/Conferences

Randy Wright

T: +44 (0) 207 902 7761

F: +44 (0) 207 633 9427

E: rwright@eventsinfocus.net

Executive – International Events/Conferences

Elizabeth Kelly

T: +44 (0) 207 902 7764

F: +44 (0) 207 633 9427

E: ek@eventsinfocus.net



BANGKOK

Bangkok is one of the most cosmopolitan, contrasting and, above all, compelling of Asian cities. The 'City of Angels' has funky markets, upmarket malls, a riverside full of surprises, a vibrant nightlife scene, many fabulous sights and attractions that reflect its unique heritage, and much more.

The city is never short of hotels, whether luxury international chain or one-off boutique with only a few rooms.

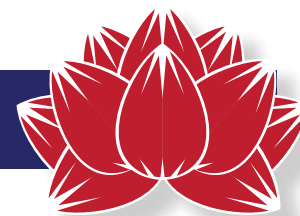
We are delighted to be able to assist with your hotel arrangements through our Accommodation and Travel Partner, Events in Focus.

The Official Partner for Accommodation & Travel

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.

HOTEL BOOKING FORM



RETURN COMPLETED BOOKING FORM TO

ek@eventsinfocus.net or Randy Wright rwright@eventsinfocus.net

Discount rates are only available from Events in Focus, the Official Housing Agent

DELEGATE INFORMATION Please fill in BLOCK LETTERS (Please fill in one registration form per delegate)

Dr. Mr. Mrs. Ms.

First Name: _____ Last Name: _____

Company Name: _____

Address: _____

City: _____ Post Code: _____ Country: _____

Phone (Country Code _____) _____ Fax (Country Code _____) _____

Email: _____

ACCOMMODATION

Hotel Preference : _____

1st CHOICE: _____ Single Double

2nd CHOICE: _____ Single Double

Arrival Date: _____ Departure Date: _____ No of Nights: _____

I will be sharing a room with: _____ Smoking Non-smoking

GUEST INFORMATION

SELECT ONE: Exhibitor Attendee Other

BOOKING CONDITIONS

Room availability will be guaranteed for reservations received by 28th August 2012, after that date Events in Focus will handle requests subject to availability

All rooms will be guaranteed through a valid credit card number received

Credit Card (American Express, Visa, MasterCard)

Card Number: _____ Expiry Date _____ / _____

3 or 4 (for Amex) digit numbers in a signature space / security code on the reverse side _____

Cardholder's Name: _____ Cardholder's Signature: _____

CANCELLATION POLICY: These vary depending on hotel, please check at the time of booking. Individuals are responsible for no show, cancellation fees and early departures.

PLEASE USE THIS PROMOTIONAL CODE WHEN REGISTERING

PLEASE PRINT CLEARLY

First Name _____
 Family Name _____
 Position _____
 Organization/Company _____
 Complete Mailing Address _____

 Postal Code: _____ Country: _____
 Telephone (+ _____) Fax (+ _____)
 E-mail _____

Confirmations will be emailed if a unique e-mail is provided.

Conference and Exhibition
3-5 October 2012
IMPACT Exhibition & Convention Centre,
Bangkok, Thailand

Choose from 4 easy ways to register for POWER-GEN Asia:

Fax: +1 918 831 9161
Post: PennWell Registration
 PO Box 973059
 Dallas, TX 75397-3059
 USA
Web: www.powergenasia.com
Email: Registration@pennwell.com
For queries only call: +1 918 831 9160

EXHIBITION FLOOR ONLY:

Free (Lunches, conference proceedings and conference sessions NOT included)

CONFERENCE FEES:

Individual Full Conference – Includes entrance to the exhibition and all POWER-GEN Asia and Renewable Energy World Asia conference sessions, two lunches and conference proceedings:

Paid Before 3 September 2012 € 850 Individual
 Paid on or after 3 September 2012 € 970 Individual

Government Agency € 670 Individual

Student Fee (I.D. required) € 210 Individual

One-day Conference – Includes entrance to the exhibition and POWER-GEN Asia and Renewable Energy World Asia conference sessions and lunch for one day. Does NOT include the conference proceedings:

Wednesday 3 October 2012 € 515
 Thursday 4 October 2012 € 515
 Friday 5 October 2012 € 515

Exhibitor Full Conference – Includes entrance to the exhibition and all POWER-GEN Asia and Renewable Energy World Asia conference sessions, two lunches and conference proceedings (**must be an exhibiting company**):

Paid Before 3 September 2012 € 430
 Paid on or after 3 September 2012 € 490

Supporting Associations Full Conference
 Please indicate the Association you are registering under € 775

IPPF CEAT AIT IES ERI

Workshop
 Specialised Marketing, Sales & Communication Techniques to the Power Generation Market

Tuesday 2nd October 2012 € 325

Corporate Delegate Plan
5 Employees

Paid Before 3 September 2012 € 3,875
 Paid on or after 3 September 2012 € 4,240

10 Employees
 Paid Before 3 September 2012 € 7,090
 Paid on or after 3 September 2012 € 8,005

15 Employees
 Paid Before 3 September 2012 € 10,305
 Paid on or after 3 September 2012 € 11,290

20 Employees
 Paid Before 3 September 2012 € 11,835
 Paid on or after 3 September 2012 € 14,120

Additional Lunch Tickets
 € 60 Wed 3 October
 € 60 Thurs 4 October

Conference Proceedings
 POWER-GEN Asia / Renewable Energy World Asia
 Combined Conference Proceedings € 310

Technical Tour (Including lunch and transport)
 Tuesday 2nd October
 Wang Noi CCP Plant € 95

Passport Number (for security purposes only): _____

PLEASE COMPLETE THE FOLLOWING SECTIONS:

1. TYPE OF COMPANY OR ORGANIZATION

- (Please tick ONE only)
- 05 Electric Utility or Power Generation Company
 - 09 IPP/Industrial/Combined Heat & Power
 - 43 Government Energy Department
 - 89 Consulting Engineer or Constructor Firm
 - 18 Original Equipment Manufacturer Specifier
 - 01 Equipment Supplier
 - 98 Other (please describe)

2. SECTORS OF INTEREST

- (Please tick ONE only)
- 01 Thermal Plants
 - 02 Hydro Plants
 - 03 Renewable Energy
 - 04 Nuclear
 - 05 Waste to Energy
 - 06 Information Technology
 - 12 Transmission & Distribution
 - 08 Other (please describe)

POWER-GEN Asia is a PennWell Corporation event.
 Please tick the relevant box if you do not wish to receive information about:

- Future POWER-GEN Asia Events
- Other PennWell Corporation Products
- Carefully selected third parties

3. PRIMARY JOB FUNCTION

- (Please tick ONE only)
- 02 President, VP, CEO
 - 02 Managing Director/General Manager
 - 03 Manager/Supervisor
 - 04 Engineer (Design, Planning & Specify, Consulting)
 - 06 Operations & Maintenance
 - 08 Purchasing
 - 98 Other (please describe)

4. PURCHASING AUTHORITY

- (Please tick ONE only)
- 01 Final Authority
 - 05 Recommend
 - 09 Influence
 - 10 None

5. HOW DID YOU FIND OUT ABOUT THE EVENT ?

- (Please check those that apply)
- Website (if so which one)
 - Advertising (if so which publication)
 - Call for Paper
 - Pre show Guide
 - E-mail
 - Word of mouth
 - Other (please state)

TOTAL PAYMENT DUE:

Payment must be received by the published date to receive any early registration discounts. Cancellations must be received in writing before 3rd September 2012 in order to receive a refund, minus a €100 administrative charge. After 3rd September 2012 refunds on any POWER-GEN Asia 2012 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:
 Credit card, wire transfer or make cheques payable to POWER-GEN Asia 2012 (in € only). Payment must be received prior admittance to the conference. All billing will be made in €.

Total Payment Due: €

Cheque enclosed (€) Wire Transfer (Wiring information provided on invoice)

Credit Card:
 Amex MasterCard Visa

Card number: _____ **Exp date:** _____ / _____
month / year

Name of Card: _____

Signature: _____

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