



# 2nd Annual GMS POWER SUMMIT & EXPO 2015

Don Chan Palace Hotel & Convention, Vientiane, Laos 19-21 May, 2015

Mekong's Largest Regional Power, Energy & Utility Congress



Owned and Produced by:

**Neoventure**  
Connecting Business Minds

Official Co-Organizer



Ministry of Planning and  
Investment, Lao PDR

**Lao People's Democratic Republic**  
Peace Independence Democracy Unity Prosperity  
\*\*\*\*\*

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Ref. No. \_\_\_\_\_ Date: **31 MAR 2015**

**Letter of Approval to 2nd Greater Mekong Sub-region Power Summit & EXPO 2015**

To Roger Shen  
Managing Director  
Neoventure Corporation

**RE: "The 2nd Greater Mekong Sub-region Power Summit & EXPO 2015"**

Referring to your letter dated on 8 January 2015, the Ministry of Planning and Investment Laos hereby agrees to be the co-organizer of "2nd Greater Mekong Sub-region Power Summit & EXPO 2015" on 19-21 May 2015 in Laos, to be organized by Neoventure Corporation.

We cordially invite all concerned parties and foreign companies to participate in this event to share their valued experiences in generation and transmission & distribution sector to support the further development of Laos's power industry.

The Ministry of Planning and Investment confirms to support and to approve Neoventure Corporation as the marketing focal point responsible for the promotion of the event to both local and international exhibitors and participants.

The Ministry of Planning and Investment expresses its sincere wishes for the success of 2nd Greater Mekong Sub-region Power Summit & EXPO 2015.

Yours sincerely,

Somdy DOUANGDY  
Minister of Planning and Investment  
Lao People's Democratic Republic



**H.E. Somdy Douangdy**  
Minister of Planning and Investment, Laos

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## Exhibitors





# 2015 Speakers (Confirmed Speakers up-to-date)



**Daovong Phonekeo**  
Director General  
Ministry of Energy and Mines



**Chanin Chaonirattisai**  
Deputy Governor  
EGAT



**Datuk Rozimi bin Remeli**  
Vice President, Transmission  
TNB



**Tran Dang Khoa**  
Director of Market Power  
EVN



**Cheng Jun**  
Deputy President  
China Southern Power  
Grid International



**Dejan Ostojic**  
Sector Leader - Energy Asia  
World Bank Group



**Chong Chi Nai**  
Director Energy, SEA  
Asian Development Bank



**Mario Savastano**  
EVP, Business Development, Asia  
GDF Suez



**Li kai**  
General Manager, Lao PDR  
CWE (China Three Gorges)



**Cyril Cabanes**  
SVP - Development  
Marubeni Asian Power



**Nopporn Prapaitrakul**  
Deputy Managing Director  
GMS Power Public Company



**Pongsapat Theppratuangthip**  
SVP, Business Development  
EGCO



**Voravudhi Linananda**  
Chief Operating Officer  
Banpu Public Company



**Frederic Hofmann**  
Chief Executive Officer  
Nam Theun 2 Power Company



**Allard Nooy**  
Chief Executive Officer  
InfraCo Asia



**Frederic Carron**  
Regional Director, Southeast Asia  
Wartsila



**Ian George Tuft**  
Director, Group O & C  
CLP Holdings Limited



**Jean-Louis Cervetti**  
Senior Vice President  
Tractebel Engineering S.A



**Rassamee Youpanich**  
Power Plant Construction Director  
Hongsa Power Company Limited



**Jatuporn Soparaksa**  
SVP - Business Investment  
RATCH



**Milorad Zecevic**  
Regional Manager, Asia Pacific  
Energy Exemplar



**Daniel Gaefke**  
Managing Director  
Annex Power



**Duncan Ritchie**  
Chief Executive Officer  
Aequero



**Peter Bird**  
Senior Adviser  
American Capital Energy  
and Infrastructure



**Franck Constant**  
President  
Sonnedix



**Deon James**  
Chief Executive Officer  
Dagupan Electric Corporation



**Edwin Vanderbruggen**  
Partner  
VDB Loi



**Jarrett Cantrell**  
VP, Global Business Development  
Samsung Engineering



**Rakesh Gaur**  
Vice President, T&D  
KEC International Ltd



**Thomas Parkinson**  
Partner  
The Lantau Group



**Andy Schroeter**  
Managing Director  
Sunlabob Renewable Energy



**Jay Jung**  
Country Manager, Korea  
Schweitzer Engineering  
Laboratories



**Sean Purdie**  
Managing Partner, Power  
Environmental Resources  
Management



**Mark Giblett**  
Group Head of Project Finance  
Sumitomo Mitsui Banking  
Corporation



**Matthias Beisler**  
Managing Director  
ILF Consulting Engineers



**David D. Doran**  
Partner & Chairman  
DFDL Legal and Tax Services

0900-1200	Laos Power Investment Workshop
0900-0930	Historical Perspective - 20 Years of Lao Hydropower Development: from The Early Stages to the Most Recent Trends
0930-0950	Overview of Institutional and Key Stakeholders
0950-1020	From MoU to Operations: Lao Law Perspective on The Development Process
1020-1040	Coffee Break
	
1040-1110	Standardization of Project Documents (CA and EDL PPA) and Overview of Key Terms
1110-1140	Case Studies (One EGAT Offtake Recent Example and One Domestic Case)
1140-1200	Q&A
1400-1700	Hydropower Forum
	<b>Hydropower Forum Chairman:</b> <b>Andy Goodwin</b> , Chief Executive Officer, <b>The SMEC Group</b>
1400-1430	<b>Recent Trends in the Implementation of Large Hydropower Projects</b> <b>Andy Goodwin</b> , Chief Executive Officer, <b>The SMEC Group</b>
1430-1500	<b>Pumped Storage Hydropower – The Most Advanced Technology to Store and Integrate the Growing Amount of Intermittent Renewable Energies into Southeast Asia Grid</b> <ul style="list-style-type: none"> <li>• Economic aspects for a successful implementation of Pump Storage Hydropower Plant (PSP)</li> <li>• Main Technical requirements of PSP meeting best with the energy market</li> <li>• Socioeconomic and environmental aspects of PSP, based on experiences in Central Europe</li> <li>• Highlights of selected PSP projects focusing special challenges</li> </ul> <b>Reinhard Fritzer</b> , Project Manager - Hydropower, <b>ILF Consulting Engineers (Asia) Ltd</b>
1500-1530	<b>The Ongoing Construction of 410 MW Xepian Xenamnoy HPP Project in Laos</b> <b>Matthieu Beraud</b> , Senior Design Engineer, <b>Tractebel Engineering</b>
1530-1600	Coffee Break
1600-1630	<b>Sustainable Hydropower Development and Livelihood Restoration-Experiences in GMS</b> <b>Jens Laugen</b> , Social and Environmental Division Manager, <b>Theun-Hinboun Power Company</b>
1630-1700	<b>Case Study: To Be Confirmed</b> <b>Li Kai</b> , General Manager, Lao PDR, <b>China International Water &amp; Electric Corporation</b> Managing Director, <b>Nam Ngiep 2 Power Company Limited</b> Managing Director, <b>Houaphan Mining and Power Company Limited</b>
1800-2000	VIP Dinner (Only for Speakers)

## MAIN CONFERENCE DAY ONE

WEDNESDAY 20 MAY

### OPENING CEREMONY

- 09:00 **Welcoming Address**  
09:10 H. E. Minister, Ministry of Planning and Investment Invited
- 09:10 **Opening Address**  
09:15 H. E. Prime Minister, Lao PDR Invited
- 09:15 **Opening Keynote**  
09:25 H. E. Minister, Ministry of Energy and Mines, Lao PDR Invited
- 09:25 **Welcoming Address by Conference Chairman**  
09:30 Allard Nooy, Chief Executive Officer, InfraCo Asia

### PLENARY SESSION

- 09:30 **GMS Battery – Laos' Power Development Program**  
09:55 Daovong Phonekeo, Director General, Energy Policy and Planning Department, Ministry of Energy and Mines, Laos
- 09:55 **Challenges & Openness – Laos' Power Projects**  
10:20 Sisavath Thiravong, Chief Executive Officer, Electricite du Laos (EDL)
- 10:20 **Responsibility & Future - EGAT's Power Planning**  
10:40 Chanin Chaonirattisai, Deputy Governor – Policy & Planning, Electricity Generating Authority of Thailand (EGAT)
- 10:40 **Morning Refreshment & Networking**  
11:00
- 11:00 **Transform to a Competitive Market – Power Development of Vietnam**  
11:20 Tran Dang Khoa, Director of Market Power Department, Vietnam Electricity (EVN)
- 11:20 **To Be Confirmed**  
11:40 Cheng Jun, Deputy President, China Southern Power Grid International Co. Ltd
- 11:40 **The Need for A More Integrated and Flexible Network to Accommodate Renewables and Increasing Demand**  
12:00 Datuk Rozimi bin Remeli, Vice President, Transmission, Tenaga Nasional Berhad (TNB)
- 12:00 **MANAGEMENT PANEL: ASEAN Power Grids Interconnection-Energy Efficiency & Security Supply**  
12:50 **Moderator:** Chong Chi Nai, Director Energy Division, SEA, Asian Development Bank  
**Panelists:**  
Sisavath Thiravong, Chief Executive Officer, Electricite du Laos (EDL)  
Datuk Rozimi bin Remeli, Vice President, Transmission, Tenaga Nasional Berhad (TNB)  
Cheng Jun, Deputy President, China Southern Power Grid International Co. Ltd  
Tran Dang Khoa, Director of Market Power Department, Vietnam Electricity (EVN)  
Paruhus Vongthanet, Director of System Planning Division, Electricity Generating Authority of Thailand (EGAT)
- 12:50 **Delegate Lunch**  
14:00

### POWER & ELECTRICITY

- 14:00 **Case Study: Hongsa Power Project**  
14:30 Rassamee Youpanich, Power Plant Construction Director, Hongsa Power Company Limited
- 14:30 **Combined Cycle Gas Engines Power Plants: When and where?**  
15:00 Frederic Carron, Regional Director Southeast Asia & Australia, Power Plants, Wartsila Pte Ltd
- 15:00 **To Be Confirmed**  
15:30 Edwin Vanderbruggen, Partner, VDB Loi
- 15:30 **Afternoon Refreshment & Networking**  
16:00
- 16:00 **PANEL DISCUSSION: Hydropower Development in GMS Region**  
16:45 - Renovation of the existing hydropower plants  
- Capacity in dry season  
- Impact on mid & downstream area of water flow from upstream  
**Moderator:** Audray Souche, Partner, DFDL Legal and Tax Services  
**Panelists:**  
Frederic Hofmann, Chief Executive Officer, Nam Theun 2 Power Company  
Nopporn Prapaitrakul, Deputy Managing Director, GMS Power Public Co., Ltd  
Jean-Louis Cervetti, Senior Vice President Hydraulics and Private Sector, Tractebel Engineering S.A
- 16:45 **Status of GMS Power Trade and Exchange**  
17:15 - Current grid interconnections and power trade  
- Regional power development  
- Regional Power Coordination Center  
**Chong Chi Nai**, Director Energy Division, SEA, Asian Development Bank
- 17:15 **INVESTORS PANEL: How Effectively is Energy Developer Making Positive Impact on the Environment**  
18:00 **Moderator:** Sean Purdie, Managing Partner, Power, Environmental Resources Management  
**Panelists:**  
Voravudhi Linananda, Chief Operating Officer, Banpu Public Company Limited  
Cyril Cabanes, Senior Vice President - Development, Marubeni Asian Power Singapore Pte Ltd  
Mario Savastano, Executive Vice President, Business Development, Asia, GDF Suez
- 18:10 **Cocktail Party**  
20:30



## MAIN CONFERENCE DAY TWO

THURSDAY 21 MAY

**08:55** **Welcoming Address by Conference Chairman**  
**09:00** Mark Hutchinson, Energy & Natural Resources Professional

**09:00** **Valuing Cross - Border Hydro in an LNG World**  
**09:30**

- Cost of hydro development
- EGAT's average generation costs
- Cost of gas-fired generation using PTT gas
- Marginal value based on avoided LNG imports

**Thomas Parkinson, Partner, The Lantau Group**

**09:30** **Fuel-Mix Power Projects Development in GMS from RATCH Perspective**  
**10:00** **Jatuporn Soparaksa, Senior Vice President, Business Investment Division, Ratchaburi Electricity Generating Holding PLC (RATCH)**

**10:00** **Strategic Power Infrastructure Defense System**  
**10:30**

- Introduce challenges and new trend in the power systems we are facing these days.
- Introduce crucial points of operation to keep the power system reliable
- Propose a solution/introduce new technologies to prohibit the power system from catastrophic failure

**Jay Jung, Country Manager, Korea, Schweitzer Engineering Laboratories**

**10:30** **Morning Refreshment & Networking**  
**11:00**

**11:00** **Power Projects in GMS from EPC Contractor Perspective**  
**11:30**

- Attractive market due to potential growth
- Leveraging prior work in Power and Other EPC Businesses
- Use of affiliated engineering offices
- Maximizing local procurement content
- Construction subcontractor strategies

**Jarrett Cantrell, Vice President, Global Marketing & Business Development, Samsung Engineering**

**11:30** **The Future of Large-scale Solar Sector in GMS: Case Study from One of the Biggest Solar Project in Thailand**  
**12:00** **Pongsapat Theppratuangthip, Senior Vice President, Business Development, Electricity Generating Public Company Limited (EGCO)**

**12:00** **PANEL DISCUSSION: Shaping a Game Changing Business: The Future of Solar Power in Asia**  
**12:45** **Moderator: Duncan Ritchie, Chief Executive Officer, Aequero**

**Panelists:**  
**Pongsapat Theppratuangthip, Senior Vice President, Business Development, EGCO**  
**Andy Schroeter, Managing Director, Sunlabob Renewable Energy Ltd**  
**Daniel Gaefke, Managing Director, Annex Power**  
**Franck Constant, President, Sonnedix**

**12:45** **Delegate Lunch**  
**14:00**

**14:00** **Combination of Renewable Energies – Photovoltaics (PV) with Pump Storage Plant (PSP)**  
**14:30**

- Limitation of fluctuating on-grid renewable energies
- PSP Energy Storage to increase the technical acceptance of renewables in the grid
- Economic aspects of combining PSP with renewables
- Real-case study: 100 MW Photovoltaics + 30 MW PSP in Turkey

**Matthias Beisler, Managing Director, Southeast Asia, ILF Consulting Engineers (Asia) Ltd**  
**Frank Zimmermann, Project Manager - Photovoltaics, ILF Consulting Engineers (Asia) Ltd**

**14:30** **Dynamic Models for Power System Planning**  
**15:00** **Milorad Zecevic, Regional Manager, Asia Pacific, Energy Exemplar**

**15:00** **Ensuring a Reliable Energy Supply: Grid Design and Planning**  
**15:30**

- The Evolution of Interconnected Power Systems
- Technical Complexities and Risks of Grid Interconnections.
- General Requirements of AC Grid Connection
- Technical Issues Related to HVDC Interconnections
- Future Trends and Experience of Indian Power Grid

**Rakesh Gaur, Vice President-T&D, KEC International Ltd**

**15:30** **Afternoon Refreshment & Networking**  
**16:00**

**16:00** **PANEL DISCUSSION: Southeast Asia Power Growth: Strategic Development and Technology Challenge**  
**16:45**

**Moderator: Mark Hutchinson, Energy & Natural Resources Professional**

**Panelists:**

**Ian George Tuft, Director, Group Operations & Construction, CLP Holdings Ltd**  
**Deon James, Chief Executive Officer, Dagupan Electric Corporation**  
**Frederic Carron, Regional Director Southeast Asia & Australia, Power Plants, Wartsila Pte Ltd**

**16:45** **To Be Confirmed**  
**17:15** **Voith**

**17:15** **Licensing and Regulatory Aspects of Power Projects in GMS**  
**17:45**

**Audray Souche, Partner, DFDL Legal and Tax Services**

**17:45** **PANEL DISCUSSION: Financing Power Projects in GMS Region**  
**18:30**

**Moderator: Ben Thompson, Partner, Mayer Brown JSM (Singapore) Pte. Ltd**

**Panelists:**

**Dejan Ostojic, Sector Leader-Energy East Asia & Pacific, World Bank Group**  
**Peter Bird, Senior Adviser, American Capital Energy and Infrastructure**  
**Allard Nooy, Chief Executive Officer, InfraCo Asia**  
**Mark Giblett, Group Head of Project Finance (Asia), Sumitomo Mitsui Banking Corporation**

**18:30** **Closing Remarks by Chairman**  
**18:40**