

# 2nd Annual MYANMAR ELECTRIC POWER CONVENTION 2014

**Largest Power, Energy & Utility Congress in Myanmar**



**21-24 October, 2014 Sule Shangri-La Hotel, Yangon, Myanmar**

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# Time Table: 2nd Myanmar Electric Power Convention 2014

<b>Day 1</b> (Oct 21)	0900-1210 Workshop A: Investing in Myanmar's Energy Sector By DFDL Legal and Tax Services	1400-1700 Workshop B: Competitive Tendering System and Structuring IPPS By Mayer Brown JSM (Singapore)	1800-2000 VIP Dinner (By Invitation Only)	Exhibition Preparation
<b>Day 2</b> (Oct 22)	0800-0850 Registration 0900-0915 Opening Address 0915-1240 Plenary Session	1240-1400 Delegate Lunch 1400-1740 Plenary Session	1800-2000 Cocktail Party	Exhibition Opening 0900-1800
<b>Day 3</b> (Oct 23)	<b>PowerGen Day</b> 0800-0850 Registration 0900-1030 Analyzing of Myanmar's Diversified Fuel Mix Supply 1100-1240 Development of Myanmar's Power Sector from Private Sector Perspective	1240-1400 Delegate Lunch 1400-1530 Advanced Technology Implement to Achieve Higher Needs 1600-1720 Investing Power Sector Development in Myanmar		
	<b>Transmission &amp; Distribution Day</b> 0800-0850 Registration 0900-1000 Overview of Power T&D Market in Myanmar 1000-1030 Experience Sharing by Leading Utility Company 1100-1230 T&D Project Showcase	1240-1400 Delegate Lunch 1400-1500 Advanced Technology to Meet Fast-Growing Demands 1500-1640 Improving Energy Efficiency in Myanmar		
<b>Day 4</b> (Oct 24)	<b>Site Visit:</b> 0900 Departure from Hotel 1000 Arrival at Power Plant 1000-1015 Welcome and Facts Presentation 1030-1115 Power Plant Visit 1115 Departure from Power Plant 1215 Arrival at Hotel		<b>Highlights:</b> <ul style="list-style-type: none"> <li>● First Thermal IPP in Myanmar</li> <li>● 50MW Hlwaga Power Plant</li> <li>● 26nos Natural Gas Fired Engines</li> <li>● Manufacturer: Dresser Rand</li> <li>● Country of Origin: Spain</li> </ul>	



## Introduction of Hlawaga Power Plant

The gas engine plant is located near to Yangon, in the vicinity of the existing GT plant on Hlawaga site.

Zeya & Associates (Z&A) is the project developer. The company Myanmar Central Power (MCP) is the owner and the operator of the Hlawaga power project with a capacity of approx. 50MWel.

The project was divided in two phases, where the first phase capacity is 25MW constructed with Dresser Rand-Guascor technology from Spain is already on operation and delivering to the national grid. The second phase is currently under construction, using Rolls-Royce Power Systems technology from Norway.

For More Speaking Information: Please Contact Eddie Lee [eddie@neoventurecorp.com](mailto:eddie@neoventurecorp.com)

For More Delegate and Sponsor Opportunities: Please Contact Hanzo Zhang [hanzo.zhang@neoventurecorp.com](mailto:hanzo.zhang@neoventurecorp.com)

## LEADING POWER & ENERGY COMPANIES



**Toshiro Kudama**  
Corporate Executive Officer,  
Head of International Operations  
Tokyo Electric Power Company



**Datuk Ir. Baharin Bin Din**  
Vice President, Distribution  
Tenaga Nasional Berhad



**Sunil Seth**  
Country President Myanmar  
Tata Power Company Limited



**Pajongwit Pongsivapai**  
Executive Vice President,  
Business Development  
Glow Group (GDF SUEZ )



**Ian George Tuft**  
Director, Group Operations &  
Construction  
CLP Holdings Ltd.



**U Ken Tun**  
Chairman and Chief Executive  
Officer  
Parami Energy Group



**Titiporn Sangpetch**  
Head of Distribution System  
Electricity Generating  
Authority of Thailand



**Kian Min Low**  
Senior Vice President, Group  
Business Development  
Sembcorp Industries



**Pradit Pulputtpong**  
Senior Vice President  
Ratchaburi Electricity  
Generating Holding PLC



## OTHER LEADING SPEAKERS



**Mario Savastano**  
Executive Vice President,  
Business Development, Asia  
GDF SUEZ



**Jiraporn Sirikum**  
Assistant Director, System  
Planning-Generation  
EGAT



**U Sein Wan**  
Chairman & CEO  
Myanmar Lighting (IPP)  
Co Ltd



**Zeya Thura Mon**  
Chairman & CEO  
RGK + Z&A Group



**Morten B. Johnsen**  
Director International  
NVE



**Inger Poveda Björklund**  
Senior Consultant  
AF Hydropower



**William Byun**  
Managing Director  
Asia Renewables



**Andy Schroeter**  
Managing Director  
Sunlabob Renewable  
Energy Ltd



**U Aung Myint**  
General Secretary  
Renewable Energy  
Association Myanmar



**Kyaw Kyaw Hlaing**  
Chairman  
SMART Group of  
Companies



**U Win Khaing**  
President  
Myanmar Engineering  
Society



**U Thoun Win**  
Chairman  
Industrial Development  
Committee (MES)



**Harry Townshend**  
Business Development  
Manager  
Aggreko



**Andrew Lee**  
Chief Country Representative  
GE



**Wongsathid Seewanna**  
Managing Director  
Power Grid International  
Limited



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



**Abhay Pande**  
Managing Director, Asia  
American Capital Energy  
and Infrastructure



**Kevin Murphy**  
Managing Director  
Andaman Capital



**Vikram Kumar**  
Resident Representative,  
Myanmar  
IFC



**Laurent Margoloff**  
Director, Project Finance,  
Asia Pacific  
BNP Paribas



**Mark Giblett**  
Group Head of Project  
Finance (Asia)  
SMBC



**David Allan**  
Managing Director  
Spectrum



**Aung Thiha**  
Executive Director  
Green Earth Power



**U Thet San**  
Managing Director  
Alpha Power Energy  
Engineering



**Thomas Parkinson**  
Partner  
The Lantau Group



**Kyosuke INADA**  
Senior Representative  
Japan International  
Cooperation Agency



**Stephen Jaggs**  
Managing Partner  
Allen & Overy



**Jean Loi**  
Managing Partner  
VDB Loi



**Nathan Dodd**  
Partner  
Mayer Brown JSM



**Ben Thompson**  
Counsel  
Mayer Brown JSM



**David Doran**  
Partner & Chairman  
DFDL Legal and Tax



**William D. Greenlee**  
Partner & Deputy Managing  
Director  
DFDL Legal and Tax

Many More 2014 Speakers Coming Soon...

## SNAPSHOTS IN MYANMAR SHOW 2013



Workshop on Doing Business in Myanmar



Plenary Session on Main Conference Day



Deputy Minister Visiting MEPC Exhibition



Panel Discussion Module



Deputy Minister Interviewed by Channelnews Asia



Delegates' Networking Sessions

## PRE-CONFERENCE DAY: 21 OCTOBER, 2014

### 0900-1200 WORKSHOP A-INVESTING IN MYANMAR'S ENERGY SECTOR



**0900-0920 Recent Legal Changes relevant to Power Projects**  
William D. Greenlee, Partner and Deputy Managing Director, Myanmar



**0920-0940 Existing Framework-Licensing Energy Projects, etc**  
Khin Thandar, Legal Adviser, Myanmar



**0940-1000 International Best Practice, Regional Comparison of Legal Systems**  
Rob Fitzgibbons, Senior Counsel

### 1000-1030 COFFEE BREAK



**1030-1100 Draft Electricity Law-Stakeholders Interests and Expectations**  
Audray Souche, Partner, Deputy Managing Director Thailand



**1100-1120 Typical Challenges and Options for Electricity Sector Reform**  
Rob Fitzgibbons, Senior Counsel



**1120-1135 End Game-Future Projects Development Issues**  
David Doran, Partner and Chairman, Head of the Energy, Mining and Infrastructure

### 1135-1200 PANEL DISCUSSION: QUESTIONS & ANSWERS

### 1400-1700 WORKSHOP B-COMPETITIVE TENDERING SYSTEM AND STRUCTURING IPPS



**1400-1445 Competitive Tendering-Creating a World Class Tender Process**  
Ben Thompson, Counsel

### 1445-1500 QUESTIONS & ANSWERS

### 1500-1530 COFFEE BREAK



**1530-1615 Key Issues in Structuring IPPs in Developing Markets**  
Quynh-Anh Lam, Counsel

### 1615-1630 QUESTIONS & ANSWERS

**1630-1700 Case Study-Examples of Resolution of Key Issues from Power Projects within the South East Asia Region**

### 1800-2000 VIP DINNER (SPEAKERS ONLY)



**0800-0850 Registration****0850-0900 Welcoming Address by Conference Chairman**

**William D. Greenlee**, Partner & Deputy Managing Director, **DFDL Legal and Tax Services**

**Session 1: Overview of Myanmar's Power Market****0900-0930 Myanmar's Power Sector Development: Current Status and Challenges**

**Department of Electric Power (DEP), MOEP** Invited

**0930-1015 PANEL DISCUSSION: Opportunities and Challenges of Hydropower Development in Myanmar****Panel Moderator:**

**Stephen Jaggs**, Managing Partner,  
**Allen & Overy (Thailand) Co., Ltd**

**ALLEN & OVERY****Panel Members:**

**Department of Hydropower Planning (DHPP), MOEP** Invited

**Jiraporn Sirikum**, Assistant Director, System Planning

Division-Generation, **Electricity Generating Authority of Thailand**

**U Ken Tun**, Chief Executive Officer, **Parami Energy Group**

**Laurent Margoloff**, Director Project Finance, Asia Pacific, **BNP Paribas**

**1015-1045 Morning Refreshment & Networking****1045-1125 PANEL DISCUSSION: Constraints in Development of Myanmar's Transmission & Distribution Sector****Panel Moderator:**

**David Allan**, Managing Director, **Spectrum**

**Panel Members:**

**Myanmar Electric Power Enterprise (MEPE)** Invited

**Datuk Ir. Baharin Bin Din**, Vice President, Distribution, **Tenaga Nasional Berhad (TNB)**

**Titiporn Sangpetch**, Head of Distribution System, **Electricity Generating Authority of Thailand**

**Duy Thanh Bui**, Senior Energy Economist, **Asian Development Bank**

**Session 2: Experience Sharing by Leading Utilities & Project Developers****1125-1155 Myanmar's Power Development from TEPCO's Perspective**

**Toshiro Kudama**, Corporate Executive Officer, Head of International Operations, **Tokyo Electric Power Company**

**1155-1240 INVESTORS' PANEL DISCUSSION: Developing World Class Power Generation in the New Myanmar****Panel Moderator:**

**Abhay Pande**, Managing Director Asia, **American Capital Energy and Infrastructure**

**Panel Members:**

**Mario Savastano**, Executive Vice President, Business Development, Asia, **GDF SUEZ**

**Ian George Tuft**, Director, Group Operations & Construction, **CLP Holdings Limited**

**Kian Min Low**, Senior Vice President, Group Business Development and Commercial, **Sembcorp Industries**

**U Sein Wan**, Chairman & CEO, **Myanmar Lighting (IPP) Co Ltd**

**1240-1400 Delegate Lunch****Session 3: Power Project Showcase in Myanmar****1400-1415 The Experience of The Local IPP: First Thermal IPP in Myanmar-Hlawaga Power Plant**

**Zeya Thura Mon**, Chief Executive Officer, **Zeya & Associates Co., Ltd**

**1415-1445 Advanced Coal Power Plant with Clean Coal Technology**

- Short term/ long term generation options for projected supply – demand situation
- Enablers for large base load projects
- Environmental management plan for imported coal projects
- Way forward for development of power sector

**Sunil Seth**, Country President Myanmar, **Tata Power Company Limited**

**1445-1515 To Be Confirmed**

**Datuk Torstein Dale Sjøtveit**, Chief Executive Officer, **Sarawak Energy**

**1515-1545 Afternoon Refreshment & Networking****Session 4: Developing Sustainable Hydropower in Myanmar****1545-1615 Technical Assistance on Myanmar's Sustainable Hydropower Development**

- Hydropower Development--In House consultancy services and Feasibility studies
- Capacity Building and Training--Master courses and short term training
- Electricity Law and Regulation
- Hydropower Standards--Best practise technical and environmental guidelines
- Strengthening of hydrological network and database for hydropower development

**Morten B. Johnsen**, Director International Department, **Norwegian Water Resources and Energy Directorate (NVE)**

**1615-1645 Working with Sustainability in Hydropower, International Standards and Tools**

- Standards and tools for environmental and social impacts, and sustainability assessment
- How Myanmar's hydropower sector can align with international standards for sustainability.
- A short technical overview of the HPP Baluchaung 3.
- A first limited attempt at adopting international standards regarding EMP preparation for a project already in construction, HPP Baluchaung 3.
- How international standards could be applied when appropriate expertise is involved from the early planning stage of a hydropower project.

**Inger Poveda Bjorklund**, Senior Consultant Environmental Assessment, **AF Hydropower**

**Session 5: Financing and Support for Myanmar's Power Development****1645-1730 PANEL DISCUSSION: Financing for the Power Sector in Myanmar**

- State of Play--what type of deals are in the pipeline?
- Foundation--How can Myanmar best encourage large-scale private sector investment in electricity sector?
- Benchmark--What are realistic terms for Myanmar deals at this stage in the country's development?
- Usual suspects--Are commercial banks ready to follow the lead of multilateral and development banks on project finance?

**Panel Moderator:**

**Kevin Murphy**, Managing Director, **Andaman Capital**

**Panel Members:**

**Kyosuke Inada**, Senior Representative, **Japan International Cooperation Agency (JICA)**

**Vikram Kumar**, Resident Representative, **International Finance Corporation (IFC)**

**Mark Giblett**, Group Head of Project Finance (Asia) Investment Banking Department, **Sumitomo Mitsui Banking Corporation**

**Nathan Dodd**, Partner, **Mayer Brown JSM (Singapore) Pte. Ltd**

**1730-1740 Closing Remarks by Conference Chairman****1800-2000 Delegate Cocktail Party**

### 0800-0850 Registration

### 0850-0900 Welcoming Address by Conference Chairman

Nathan Dodd, Partner, Mayer Brown JSM (Singapore) Pte. Ltd

## Session 6-1: Analyzing of Myanmar's Diversified Fuel-Mix Supply

### 0900-0930 Fuel-Mix Requirement from Government Perspective: Ensuring a Sustainable Coal, Gas Supply in Myanmar

Department of Hydropower Planning (DHPP), MOEP Invited

### 0930-1000 Ensuring Domestic Natural Gas Supply for Myanmar's Power Generation

- Gas production and gas export
- New gas fields for domestic
- Gas pricing
- Gas production outlook up to 2030

Kyaw Kyaw Hlaing, Chairman, SMART Group of Companies

### 1000-1030 Coal Versus Gas: Making Space for Renewables

- Coal – feasible development opportunity?
- Gas – domestic versus export market?
- Renewables – realistic possibility?
- Sorting out the fuel mix alternatives

Thomas Parkinson, Partner, The Lantau Group

### 1030-1100 Morning Refreshment & Networking

## Session 7-1: Development of Myanmar's Power Sector from Private Sector Perspective

### 1100-1130 Emergency Supply Solution for Myanmar's Power Sector from Local Perspective

U Ken Tun, Chairman and Chief Executive Officer, Parami Energy Group of Companies

### 1130-1200 Sharing Experiences of IPP & SPP Business in Thailand

Pongsivapai Volk, Executive Vice President, Glow Group (GDF Suez)



### 1200-1240 INVESTORS' PANEL DISCUSSION: Renewable Energy Investments in Myanmar Market

#### Panel Moderator:

Audray Souche, Partner & Deputy Managing Director Thailand, DFDL Legal and Tax Services

#### Panel Members:

U Aung Myint, General Secretary, Renewable Energy Association Myanmar

U Thoug Win, Chairman, Energy and Renewable Energy Committee

Andy Schroeter, Managing Director, Sunlabob Renewable Energy Ltd

William Byun, Managing Director, Asia Renewables

Aung Thiha, Executive Director, Green Earth Power

### 1240-1400 Delegate Lunch

## Session 8-1: Advanced Technology Implement to Achieve Higher Needs

### 1400-1430 Temporary Power Generation Solution: Contribution to Myanmar's Power Development

- The cost of not having adequate power supply
- The perfect storm in Myanmar
- Why temporary power instead of owning power
- Optimising technology and fuel types

Harry Townshend, Business Development Manager, Aggreko (Singapore) Pte Ltd

### 1430-1500 PLEXOS Long Term Solutions for Master Generation Plan Studies

- Introduction to Australia
- The national electricity market
- Case study description & inputs
- Case study results

Milorad Zecevic, Regional Manager, Asia Pacific, Energy Exemplar Pty Ltd



### 1500-1530 How GE Helps to Play Role for Myanmar's Power Needs

- Capacity & Technical Training on generation, transmission and distribution for future efficiency
- Master Electricity Planning Study: Optimizing the repowering for MOEP.
- Rule of Law
- CSR

Andrew Lee, Chief Country Representative, GE Myanmar

### 1530-1600 Afternoon Refreshment & Networking

## Session 9-1: Investing Power Sector Development in Myanmar

### 1600-1635 Licensing and Regulatory Aspects of Gas, Coal and Hydro Power Projects in Myanmar: a Practical Look at Myanmar's New PPAs

- Key issues on the take or pay
- Different formulas for tariff adjustment
- Definition of and payment rights for types of Force Majeure
- Adjustments for LHV of gas
- Liability in relation to supply of gas

Jean Loi, Managing Partner, VDB Loi



### 1635-1705 Power Trade and Interconnection in Myanmar and Southeast Asia Market

Duy Thanh Bui, Senior Energy Economist, Asian Development Bank

### 1710-1720 Closing Remarks by Conference Chairman



### 0800-0850 Registration

### 0850-0900 Welcoming Address by Conference Chairman

#### Session 6-2: Overview of Power T&D Market in Myanmar

### 0900-0930 Analysis of Power Transmission Market in Myanmar: Opportunities and Challenges

Myanmar Electric Power Enterprise (MEPE), MOEP Invited

### 0930-1000 Ensuring Efficiency Power Distribution for Yangon Region: Existing System and Future Plan

Yangon City Electricity Supply Board (YESB), MOEP Invited

#### Session 7-2: Experience Sharing by Leading Utility Company

### 1000-1030 Advanced Technology Implement in Distribution Network

- Customers appetite of electricity performance changes over time
- The core technology implementation strategy to enhance system performance
- The strategy of technology implementation is governed by the asset management best practice
- Supply areas of TNB are also segregated according to area segmentation criteria

Datuk Ir. Baharin Bin Din, Vice President, Distribution, Tenaga Nasional Berhad (TNB)

### 1030-1100 Morning Refreshment & Networking

#### Session 8-2: T&D Project Showcase

### 1100-1130 Off-Grid Solar Power Project in Myanmar

- Increasing solar to reduce diesel consumption: a win-win, cost-saving proposition
- Examining sector-specific partnerships to facilitate viability of off-grid electrification
- Market-based opportunities for off-grid solar versus projects requiring donor support

Andy Schroeter, Managing Director, Sunlabob Renewable Energy Ltd

### 1130-1200 Developing Large-Scale Grid Connected Power Project in Myanmar

- What are the challenges? Future prospects and opportunities
- Setting common directions and building the blocks to meet future needs
- Myanmar electricity market vs. infrastructure development on large-scale grid connected power projects
- Show case of EGAT's project in Myanmar

Titiporn Sangpetch, Head of Distribution System, Electricity Generating Authority of Thailand

### 1200-1230 Challenges in Building an Efficient Power Supply System in Myanmar

- Generation capacity grows by MEPE, HPGE, IPP
- Efficient and sufficient energy supply system is needed to meet growing generation capacity
- T&D Expansion is directly related to volume of works to MOEP in many factors such as huge amount of budget, Insufficient time, many challenges from public to meet increasing electrical demands in big cities like Yangon and Mandalay (challenges)
- Quality installation is needed and foreign investments are needed.

U Thet San , Managing Director,  
Alpha Power Energy Engineering Co.,Ltd



### 1240-1400 Delegate Lunch

#### Session 9-2: Advanced Technology to Meet Fast-Growing Demands

### 1400-1430 Guidelines on the Determination of Maximum Right of Way (ROW) Width for Overhead Power Transmission Lines

- Right of way (ROW) width need
- Philippines practice of ROW width acquisition
- ROW width determination basis
- Proposed ROW width estimates
- Overall benefits derived

Bienvenido D. Valeros, Manager of Grid Code and Transmission Development Plan Monitoring Department, National Transmission Corporation

### 1430-1500 Integrating Decentralized & Grid Power Systems

David Allan, Managing Director, Spectrum

#### Session 10-2: Improving Energy Efficiency in Myanmar

### 1500-1530 Overview of Energy Efficiency and Energy Management Activities in Myanmar

U Win Khaing, President, Myanmar Engineering Society Chairman, United Engineering

### 1530-1600 Afternoon Refreshment & Networking

### 1600-1630 The Modern HV Transmission Line Design

- Applications of the modern transmission line design software: PLS-CADD
- The application of the software is not limited to the design of new transmission line only, but also coverage the Operation and Maintenance of the power lines.
- The software is developed for easy use and wide range conjunction with other software which run on the Microsoft Windows Operating System.

Wongsathid Seewanna, Managing Director, Powergrid International Limited

### 1630-1640 Closing Remarks by Conference Chairman

