



# MYANMAR GREEN ENERGY SUMMIT 2014

5 - 6 August 2014  
Sule Shangri-La, Yangon, Myanmar

(Formerly known as Traders Hotel)



[www.myanmargreenenergysummit.com](http://www.myanmargreenenergysummit.com)

Hosted by:



The Republic of the Union of Myanmar Federation of Chambers of Commerce & Industry

Organised by:



Thought Leader Network Solutions

Supported by:



Myanmar Ministry of Electric Power



Myanmar Engineering Society



Renewable Energy Association Myanmar



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International Network on Offshore Renewable Energy



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Independent Power Producers Forum



Malaysian Photovoltaic Industry Association



Saudi Arabia Solar Industry Association

Saudi Arabia Solar Industry Association



Sino-Spanish Association for Energy and Sustainability

society of energy engineers and managers



Society of Energy Engineers and Managers



Solar Energy Research Institute of Singapore



Solar Energy Society of India



Thai-Finnish Chamber of Commerce



Thai Wind Energy Association



World Alliance for Decentralized Energy

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# GREEN ENERGY AS STRATEGIC DRIVERS FOR SUSTAINABLE GROWTH

Myanmar is a country that has abundant renewable energy potential from hydro, biomass, wind, and solar resources. Among these, only hydropower is being commercially exploited. According to the World Energy Council, in 2007, Myanmar had coal resources estimated at around 2 million tons. The hydropower potential of Myanmar's four main rivers is estimated at 100,000 megawatts (MW), with less than 10% of which has been harnessed. The Myanmar government is undertaking ventures to exploit these renewable energy resources, both as a basis for accelerated overall economic development and for direct social benefit to their residents.

The Myanmar government is broadening their strategic approaches to fully tap the huge potential of Myanmar's energy sector by inviting foreign technical expertise and foreign investment for participation in its hydropower, oil, and gas subsectors; expanding the capacity of existing liquefied petroleum gas plants and implementing new liquefied natural and petroleum gas production projects; and substituting the use of liquid fuel in the transport sector with compressed natural gas.

The Myanmar Green Energy Summit 2014 is designed to provide a platform for international energy industry players and potential investors to gather in Yangon; providing updated on the market potential and development plan of the green energy sector in Myanmar; implication of new economic regulations arising from latest parliamentary decision for the energy sectors.

The Summit will focus on the following areas:

- Market Potential in Green Energy in Myanmar
- Market Potential in Power Transmission Grids in Myanmar
- Latest Power Generation and Transmission Policies in Myanmar
- Recent Trends in Power Generation and Transmission Equipment and Technology
- Socio-Environmental Impact Solution for Energy Projects
- Latest Foreign Investment Laws for The Green Energy Sector
- IPP's Incentives and Taxation Laws
- Financing of Green Energy Projects

SUMMIT HIGHLIGHTS INCLUDE DEDICATED ECONOMIC AND TECHNICAL SESSIONS ON TRANSMISSION GRIDS, HYDROPOWER, SOLAR ENERGY, BIOMASS AND COAL ENERGY

## FACTS ABOUT THE MYANMAR ENERGY SECTOR'S POTENTIAL

- Myanmar is the largest country in mainland South East Asia, with a total land area of 676,000 sq km, just under three times the size of Britain.
- The hydropower potential of the country's rivers, which drain the four main basins of Ayeyarwaddy, Chindwin, Thanlwin, and Sittaung, is estimated to be more than 100,000 megawatts (MW).
- Myanmar has identified 92 potential large hydropower projects with a total installed capacity of 46,101 MW.
- Myanmar Electric Power Enterprise (MEPE), under the MOEP, has so far identified more than 200 locations suitable for hydropower development, with a combined potential capacity of about 40,000 MW. Thirty-six projects have been formed to tap these resources and 14 are under construction.
- Foreign direct investment in 2010/11 was a massive US\$ 20bn, concentrated in the oil and gas, mining and hydroelectric power sectors. Of the extraordinary US\$ 20bn of FDI approvals in Myanmar around US\$ 14bn was from China.



## SUMMIT HIGHLIGHTS

Participants will be able to hear from and discuss with leading industries experts & practitioners on pertinent issues such as:

- Developing Efficient Transmission Grid For Myanmar
- Financing Options For The Green Energy Sector In Myanmar
- Hydropower As Clean Energy Source For Myanmar: The Game Changer
- Powering Urban And Rural Development Through Solar Energy
- Coal's Role In The Global Energy Mix
- The Co-Existence Of Agriculture And Green Energy

## WHO SHOULD ATTEND?

- Hydropower & Water Resources Consultants & Developers
- PV Developers & Installers
- Biomass Consultants and Suppliers
- Coal Energy Developers
- Wind Energy Providers
- Turbines, Generators, Equipment Manufacturers
- Owners, Planners and Service Operators of Power Plants
- Companies Providing Infrastructure-Related Support Including Project Developers, Designers, Mechanical and Electrical engineers To The Green Energy Sector
- Government Agencies / Ministries and Myanmar Electric Power Ministry
- Energy Turnkey / Project Consultants
- Mega Energy Structures Architects / Designers
- Repair / Refurbishing
- Electrical Utilities
- Independent Power Producer
- Safety / OSH
- Inspection / Quality Control / Assessment
- Building / Civil Engineering
- Electrical Contractor
- Strategic and Portfolio Investors
- International Energy Institutions and Academia
- Banks / Financial Asset Managers
- Energy Industry Traders, Analysts and Commentators
- Individual Interested in the Future of Energy Security, Innovation, Investment and Sustainability

## BENEFITS OF ATTENDING

- Unrivalled access to a target audience of energy producers, consultants, engineers, manufacturers, agents, distributors, policy makers, regulators and captains of the industry
- A flagship event to exchange ideas with the industry experts while being updated on the latest policies, regulations and developments of Myanmar's green energy industry
- Explore investment opportunities in Myanmar
- A platform for networking and establishing contacts for future business collaborations

## THE VENUE

Just 30 minutes away from Yangon International Airport, Sule Shangri-La, Yangon sits at the kernel of Burma's economic capital. Blending elegance with gracious Burmese hospitality, it is the perfect base for taking in the city's exotic and distinctive culture.



## PROGRAM

### DAY ONE: 5 AUGUST 2014, TUESDAY

7:30AM	<b>MGES 2014 Registration Begins</b> Venue: Foyer of The Grand Ballroom, Sule Shangri-La, Yangon
8:30AM	<b>Delegates Take Their Seats at Ballroom</b> Venue: Grand Ballroom, Sule Shangri-La, Yangon
8:30AM	<b>Arrival of Distinguished Guests</b>
8:30AM	<b>Arrival of Guest of Honor</b> H.E. U Khin Maung Soe, Union Minister, Ministry of Electric Power
<b>OPENING CEREMONY</b>	
8:50AM	Myanmar Cultural Dances
9:00AM	<b>INTRODUCTORY REMARKS</b> Datuk Dr. Abdul Aziz S.A. Kadir, Chairman, Confexhub Group
9:10AM	<b>SPECIAL ADDRESS</b> U Win Aung, President, The Republic of The Union of Myanmar Federation of Chambers of Commerce & Industry
9:20AM	<b>KEYNOTE ADDRESS AND LAUNCH OF MGES2014 SUMMIT: MYANMAR ENERGY MARKET OUTLOOK AND OPPORTUNITIES</b> H.E. U Khin Maung Soe, Union Minister, Ministry of Electric Power
9:40AM	Networking & Refreshments Break
<b>PLENARY SESSION</b>	
10:10AM	<b>Plenary Address 1: World's Current Status and Development in Green Energy</b>
10:40AM	<b>Plenary Address 2: World's Current Hydropower Resources Development Trends and Directions</b>
11:10AM	<b>Plenary Address 3: Myanmar's Investment Policy &amp; Potential on Renewable Energy</b>
11:40AM	Luncheon for Guest Speakers and Delegates
<b>SESSION ONE: DEVELOPING EFFICIENT TRANSMISSION GRID FOR MYANMAR</b>	
12:40PM	<b>Paper 1: Power Transmission Market in ASEAN: Directions and Opportunities</b>
1:10PM	<b>Paper 2: Myanmar's Policy on Power Transmission Infrastructure and Distribution in Driving Economic Development</b>
1:40PM	<b>Paper 3: Innovative Technologies for Long Distance Power Transmission for Improved Frequency And Voltage Control: A Noble Approach for Myanmar</b>
2:10PM	<b>Paper 4: Development of Renewable Energy Mini-Grids For Rural Electrification</b>
2:40PM	Open Forum: Comments, Questions and Answers
2:55PM	Networking & Refreshments Break
<b>SESSION TWO: HYDROPOWER AS CLEAN ENERGY SOURCE FOR MYANMAR: THE GAME CHANGER</b>	
3:15PM	<b>Paper 5: Hydropower Sustainable Development &amp; Evaluation</b>
3:45PM	<b>Paper 6: Myanmar's Hydropower Development To Meet National Electric Power Demand: From Mega Hydropower Projects Perspective</b>
4:15PM	<b>Paper 7: Reservoirs Facilities Construction for Myanmar National Economic Development</b>
4:45PM	<b>Paper 8: Hydropower Dam Safety &amp; Earthquake</b>
5:15PM	Open Forum: Comments, Questions and Answers
5:30PM	CONFERENCE DAY 1 ENDS

## PROGRAM

### DAY TWO: 6 AUGUST 2014, WEDNESDAY

#### SESSION THREE: FINANCING OPTIONS FOR THE GREEN ENERGY SECTOR IN MYANMAR

8:30AM	<b>Paper 9: The Financing Trends of Mega Energy And Transmission Infrastructure Projects In ASEAN</b>
9:00AM	<b>Paper 10: Financing Green Energy Projects In Myanmar – A Legal Perspective</b>
9:30AM	<b>Paper 11: The Potential of Funding Green Energy: From Private Equity and Commercial Bankers' Perspectives</b>
10:00AM	<b>Paper 12: The Viability of Feed-in-Tariff (FIT) to Fund Green Energy</b>
10:30AM	Open Forum: Comments, Questions and Answers
10:45AM	Networking & Refreshment Break

#### SESSION FOUR: POWERING URBAN AND RURAL DEVELOPMENT THROUGH SOLAR ENERGY

11:15AM	<b>Paper 13: Trends and Prospects of Off-Grid Solar Energy Development: Myanmar</b>
11:45AM	<b>Paper 14: Solar Farms and Grid Connectivity Potentials in Myanmar</b>
12:15PM	<b>Paper 15: Using Solar Energy to Reduce the Need for Firewood in Rural Myanmar</b>
12:45PM	Open Forum: Comments, Questions and Answers
1:00PM	Luncheon for Guest Speakers and Delegates

#### SESSION FIVE: WIND'S ROLE IN THE MYANMAR ENERGY MIX

1:45PM	<b>Paper 16: Wind Power Resources, Potential and Recent Initiatives in Myanmar</b>
2:15PM	<b>Paper 17: Lower Cost of Production: Uncovering Integration and Transmission Costs</b>
2:45PM	<b>Paper 18: Wind Turbine Components and Subsystems Reliability for Sustainable Performance</b>
3:15PM	Open Forum: Comments, Questions and Answers
3:30PM	Networking & Refreshment Break

#### SESSION SIX: ALTERNATIVE RESOURCES OF GREEN ENERGY IN MYANMAR

4:00PM	<b>Paper 19: Bio-diesel - Green Energy from the Jatropha and Oilpalm Industry</b>
4:30PM	<b>Paper 20: Greening the Earth Through Agriculture Biomass: From Paddy Waste</b>
5:00PM	<b>Paper 21: Technology to Turn Coal Into A Green Energy Source</b>
5:30PM	Open Forum: Comments, Questions and Answers
5:45PM	<b>CLOSING ADDRESS</b> U Win Aung, President, The Republic of The Union of Myanmar Federation of Chambers of Commerce & Industry
6:00PM	MYANMAR GREEN ENERGY SUMMIT 2014 ENDS

*\*Invited and awaiting confirmation*

*\*\*This Program is subjected to change and for updated program, please logon on to [www.myanmargreenenergysummit.com](http://www.myanmargreenenergysummit.com)  
Program @ 19 May 2014*

## THE EXHIBITION / SPONSORSHIP OPPORTUNITIES

The MGES 2014 Exhibition runs alongside the summit featuring key companies from the power transmission and distribution, hydropower, solar energy, biomass and coal energy sectors. The sponsorship program has been specially designed to give industry leaders opportunities to increase visibility and enhance corporate profile. Partners and sponsors will enjoy sustained profiling impact through continuous promotion before, during and even after the summit. There are various opportunities to support and be associated with this prestigious and unique event.

### GENERAL SPONSORSHIP

Sponsorship Packages	USD
Titanium Sponsor	30,000
Platinum Sponsor	20,000
Gold Sponsor	15,000
Silver Sponsor	12,000
Cocktail Sponsor	15,000
Luncheon Sponsor	10,000
Refreshment	5,000 per session
Conference Session Sponsor	5,000 per session
Conference Bag	15,000
Conference Kit	15,000
Marketing Brochure	10,000
Name Badge Lanyard	5,000
Advertisement (FPFC)	1,000

### INTENSIVE & TARGETED PUBLICITY CAMPAIGNS

- Advertisements
  - Magazines
  - National & Regional Newspapers
  - Online Banner Advertisements & Event Listings
  - Street Advertising
- Direct Mailing / Mass Publicity
  - Awareness Brochure
  - Postcard
  - Delegate Marketing Brochure
- Monthly e-mail blast to over 1,000,000 gas, petroleum, power utilities, renewable energy, hydropower and water resources companies
- Special dedicated event website
- Telemarketing
- Roadshows
- Personal Invitations
- Public Relations
- Government & Trade Associations Invitations

### EXHIBITOR INCENTIVES

- **Reimbursement under LEAD Grant**
  - Up to 50% of booth rental and setup, 3rd party consulting for business development, industry networking events (if applicable), and secretarial supportive services.
  - Company employees cannot take Double Tax Deduction (DTD) incentive for this same activity.
- **Double Tax Deduction Scheme (DTD)**
  - Eligible companies can apply to IE Singapore for double tax deduction for travel and accommodation costs up to two (2) employees per participating company.

### WHY EXHIBIT IN MGES 2014?

- Generate and establish new sales leads, business contacts and build network
- Proven track record in attracting high level delegates comprising private and public sectors from the America, Europe, Middle-East and Asia
- An ideal platform to project brand image and stay competitive in the Power Transmission, Hydropower, Solar Energy, Biomass and Coal Energy Sectors
- Establish your presence in a new market and source for local agents or distribution networks
- Engage new partners and distribution network from the region
- Support existing clients and local agents

### WHO SHOULD EXHIBIT?

- Hydropower & Water Resources Consultants & Developers
- PV Developers & Installers
- Biomass Consultants and Suppliers
- Coal Energy Developers
- Technology & Services Providers for Power Generation
- Power Transmission & Distribution
- Turbines, Generators, Equipment Manufacturers
- Consulting & Engineering Companies
- Mechanical and Electrical Suppliers
- Transport & Supply Chain
- Quality / Process Management
- Safety & fire
- OSH Equipment
- IT Systems
- Financial Institutions & Energy Exchanges
- Legal Services



# MYANMAR GREEN ENERGY SUMMIT 2014 REGISTRATION FORM



(Closing Date: 10 July 2014)

Title  Mr.  Mrs.  Ms.  Dr.  Others (specify) : \_\_\_\_\_

Name (as per passport) \_\_\_\_\_

Designation: \_\_\_\_\_

Telephone:\* \_\_\_\_\_

\*(Please include country and area code)

Fax:\* \_\_\_\_\_

\*(Please include country and area code)

Email \_\_\_\_\_

Company \_\_\_\_\_

Company RCB No.: \_\_\_\_\_

SEAS Membership #: \_\_\_\_\_  
(if applicable)

Address \_\_\_\_\_

\_\_\_\_\_

City/State \_\_\_\_\_ Postcode \_\_\_\_\_

Country \_\_\_\_\_

**Your registration will only be confirmed upon receipt of Administrative Fees of S\$214 (SEAS Members) or S\$535 (Non-SEAS Members) by SEAS.**

Standard Shell Scheme Booth Rental and Networking (Pre Lead Grant)	9 sqm	USD 4,500	<input type="checkbox"/>
	18 sqm	USD 9,000	<input type="checkbox"/>
	36 sqm	USD 18,000	<input type="checkbox"/>

## Administrative Details, Terms & Conditions (By Submitting This Form You Agree to the Terms & Conditions as Detailed Below)

- A GST inclusive Administrative Fee of S\$214 (SEAS Member) or S\$535 (Non-Member) must be included along with this form to confirm their participation.
- The Administrative Fees are payable by cheques to "SUSTAINABLE ENERGY ASSOCIATION OF SINGAPORE" at **1 Cleantech Loop #02-16 Cleantech One Singapore 637141.**
- Any Fee charged (excluding booth rental) will only be refundable up to 90 days prior to mission travel dates or in the event of mission cancellation.
- Participants will need to book their own airfare tickets and hotel accommodation.
- Grant will be on reimbursement basis after the completion of the mission and submission of necessary documents by exhibiting companies. Please retain original recipients.
- For further enquiries, please contact **SEAS** at **6338 8578** or email: **enterprise@seas.org.sg**

Please email this completed and endorsed registration form to **Mark Netto** at email: **enterprise@seas.org.sg** Or Fax: **(65) 6694 2178**

# MYANMAR GREEN ENERGY SUMMIT 2014 DELEGATES ACCOMMODATION

## SULE SHANGRI-LA, YANGON

### SULE SHANGRI-LA, YANGON

#223 Sule Pagoda Road, G.P.O Box 888, Myanmar

Tel: (951) 242828

Fax: (951) 242800

For Hotel Booking reservation:  
Sule Shangri-La, Yangon

Room Type	Single	Double
Deluxe	USD 258.75 nett	USD 276.00 nett
Traders Club	USD 339.25 nett	USD 362.25 nett

(Room rates are inclusive of breakfast and taxes)



## CENTRAL HOTEL

### CENTRAL HOTEL

No. 335/357, Between 31st & 32nd Street Bogyoke Aung San ST.

Tel: (951) 278472, 241007, 3

Fax: (951) 248003

For Hotel Booking reservation:  
UA Ticketing & Tours

Room Type	Single	Double
Superior	USD 70	USD 70
Deluxe	USD 85	USD 85

(Room rates are inclusive of breakfast and taxes)



## PANORAMA HOTEL YANGON

### PANORAMA HOTEL

No. 294/300. Pansodan Street, Kyauktada Township, Yangon, Myanmar.

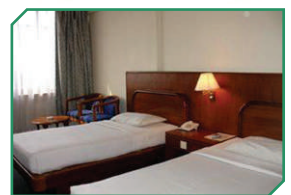
Tel: (951) 253 077

Fax: (951) 251 986

For Hotel Booking reservation:  
UA Ticketing & Tours

Room Type	Single	Double
Superior	USD 90	USD 105
Suite	USD 115	USD 130

(Room rates are inclusive of breakfast and taxes)



## PARK ROYAL HOTEL

### PARK ROYAL HOTEL

No. 33, Alan Pya Phaya Road, Dagon

Tel: (951) 252476

Fax: (951) 252475

For Hotel Booking reservation:  
UA Ticketing & Tours

Room Type	Single	Double
Standard	USD 165	USD 165
Deluxe	USD 260	USD 280
Premier Room	USD 290	USD 310

(Room rates are inclusive of breakfast and taxes)



## THAMADA HOTEL

### THAMADA HOTEL

No. 5, Alan Pya Pagoda Road, Dagon, Yangon, Myanmar.

Tel: (951) 243 639

Fax: (951) 245 001

For Hotel Booking reservation:  
UA Ticketing & Tours

Room Type	Single	Double
Superior	USD 80	USD 85

(Room rates are inclusive of breakfast and taxes)



#### For Sule Shangri-La, Yangon Booking reservation:

Contact Person: Ms. Lily

Email: [wuli.ping@shangri-la.com](mailto:wuli.ping@shangri-la.com)

[thithi.aung@shangri-la.com](mailto:thithi.aung@shangri-la.com)

Tel: (951) 242828

Fax: (951) 242800

Website: <http://www.shangri-la.com>

#### For UA Ticketing & Tours Booking reservation:

Contact Person: Ms. Thuzar/Ms. Eimon

Email: [uatours@uniqueasiatravel.com](mailto:uatours@uniqueasiatravel.com)

Tel: (951) 398400, 398433, 398455, 398477, 398499

Website: <http://www.uniqueasiatravel.com>





## FACTS ABOUT MYANMAR

Area	: 676, 578 sq km
Population	: 60.62 million
Annual Population growth rate	: 1.3
People	: 68% Bamar, 9% Shan, 7% Karen, 4% Rakhine, 3% Chinese, 2% Indian, 2% Mon, 5% Others
Official Language	: Burmese
Adult literacy	: 92%
GDP	: US\$82.7 billion
GDP per capita	: US\$1,324
Annual GDP Growth	: 5.5%
Unemployment Rate	: 5.5%
Inflation	: 7.3%
FDI Flow	: \$756.3million
Agriculture Products	: rice, pulses, beans, sesame, groundnuts, sugarcane; fish and fish products; hardwood
Major Industries	: agricultural processing; wood and wood products; copper, tin, tungsten, iron; cement, construction materials; pharmaceuticals; fertilizer; oil and natural gas; garments, jade and gems

(source: ADB report; World Factbook)

## MYANMAR'S STRENGTHS, CONSTRAINTS, OPPORTUNITIES AND RISKS

<p><b><u>Strengths</u></b></p> <ol style="list-style-type: none"> <li>1. Strong commitment to reform</li> <li>2. Large youthful population, providing a low-cost labor force attractive to foreign investment</li> <li>3. Rich supply of natural resources—land, water, gas, minerals</li> <li>4. Abundant agricultural resources to be exploited for productivity improvement</li> <li>5. Tourism potential</li> </ol>	<p><b><u>Constraints</u></b></p> <ol style="list-style-type: none"> <li>1. Weak macroeconomic management and lack of experience with market mechanisms</li> <li>2. Limited fiscal resource mobilization</li> <li>3. Underdeveloped financial sector</li> <li>4. Inadequate infrastructure, particularly in transport, electricity access, and tele-communications</li> <li>5. Low education and health achievement</li> <li>6. Limited economic diversification</li> </ol>
<p><b><u>Opportunities</u></b></p> <ol style="list-style-type: none"> <li>1. Strategic location</li> <li>2. Potential of renewable energy</li> <li>3. Potential for investment in a range of sectors</li> </ol>	<p><b><u>Risks</u></b></p> <ol style="list-style-type: none"> <li>1. Risks from economic reform and liberalization</li> <li>2. Risks from climate change</li> <li>3. Pollution from economic activities</li> </ol>

(Source: Asian Development Bank)

CONTACT US

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