

ASEAN POWER GRID SUMMIT

ASEAN POWER GRID SUMMIT 2017



www.aseanpowergridsummit.com

23 - 24 May 2017

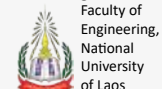
Crowne Plaza, Vientiane, Lao PDR

Enhancing APG Investment Towards Regional Energy
Optimisation

Co-organiser:



Knowledge Partner:



OVERVIEW

Secure and reliable electricity infrastructure is vital to support the regional economic growth and integration process. Southeast Asia countries in particular are forecasted to have high rise of demand in the power sector; is expected to tripling from 789TWh in 2013 to about 2,200TWh in 2040 which doubles the current capacity. To materialise this, calls for investments of USD 618 billion in generation and USD 690 billion in the transmission and distribution of power is needed.

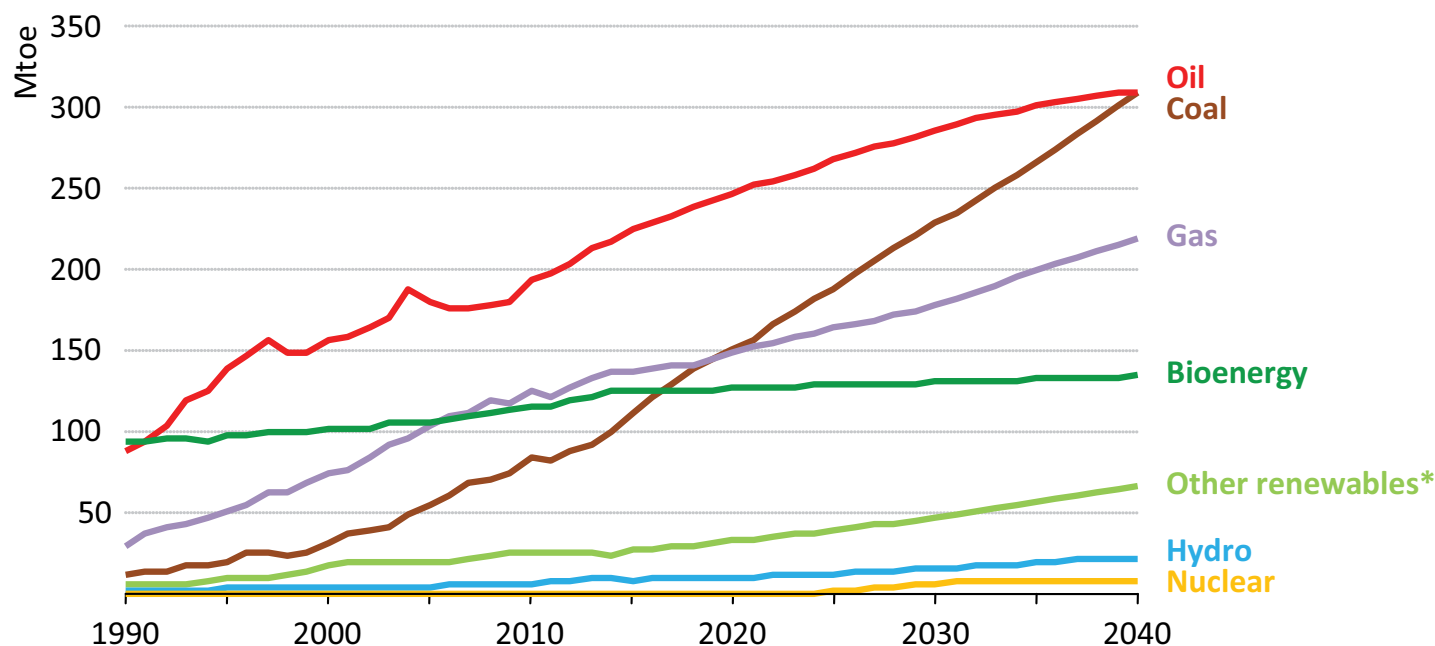
A regional ASEAN Power Grid (APG) would help ASEAN member states to meet the rising energy demand, improve access to energy services and reduce the costs of developing an energy infrastructure. APG is established to connect the countries with surplus power generation capacity to those countries of which facing a deficit. An interconnected power system as such could further enhance the development and integration of variable renewable power generation capacity.

The hosting of Asean Power Grid Summit 2017 (APGS 2017) with its overarching theme, **'Enhancing APG Investment towards Regional Energy Optimisation'** is timely in addressing pertinent and relevant issues in foregrounding the potentials of power sector of ASEAN countries and attracting more Foreign Direct Investments (FDI) into ensuring the success of meeting the rising energy demand and translating that into successful connections of power grids in ASEAN member states.



MARKET INFORMATION ON ASEAN POWER GRID

Primary Energy Demand in Southeast Asia



*Includes solar PV, wind, and geothermal.

Source: IEA (2015), Southeast Asia Energy Outlook

Electricity Generation in Southeast Asia

	1990	2013	2020	2040	Shares		CAAGR*
					2013	2040	2013-2040
Fossil fuels	120	648	925	1 699	82%	77%	3.6%
Coal	28	255	482	1 097	32%	50%	5.6%
Gas	26	349	406	578	44%	26%	1.9%
Oil	66	45	36	24	6%	1%	-2.2%
Nuclear	-	-	-	32	-	1%	n.a.
Renewables	34	141	180	481	18%	22%	4.7%
Hydro	27	110	119	255	14%	12%	3.2%
Geothermal	7	19	27	58	2%	3%	4.2%
Bioenergy	1	10	22	75	1%	3%	7.7%
Other**	-	2	12	93	0%	4%	16.0%
Total	154	789	1 104	2 212	100%	100%	3.9%

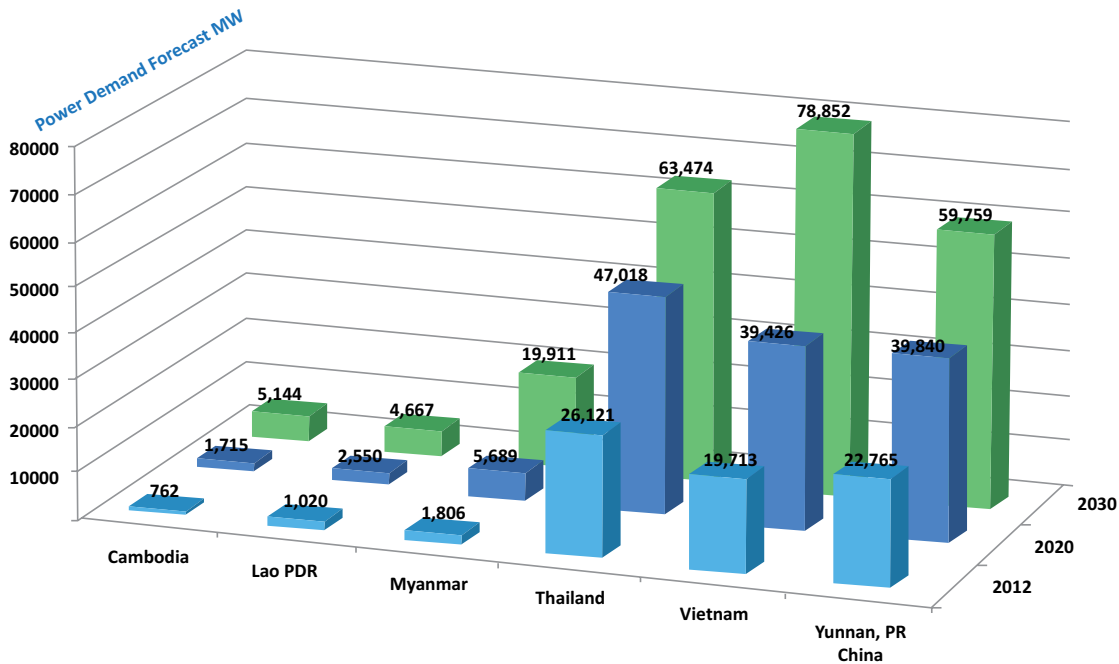
*Compound average annual growth rate. **Includes wind and solar PV.

Unit: TWh

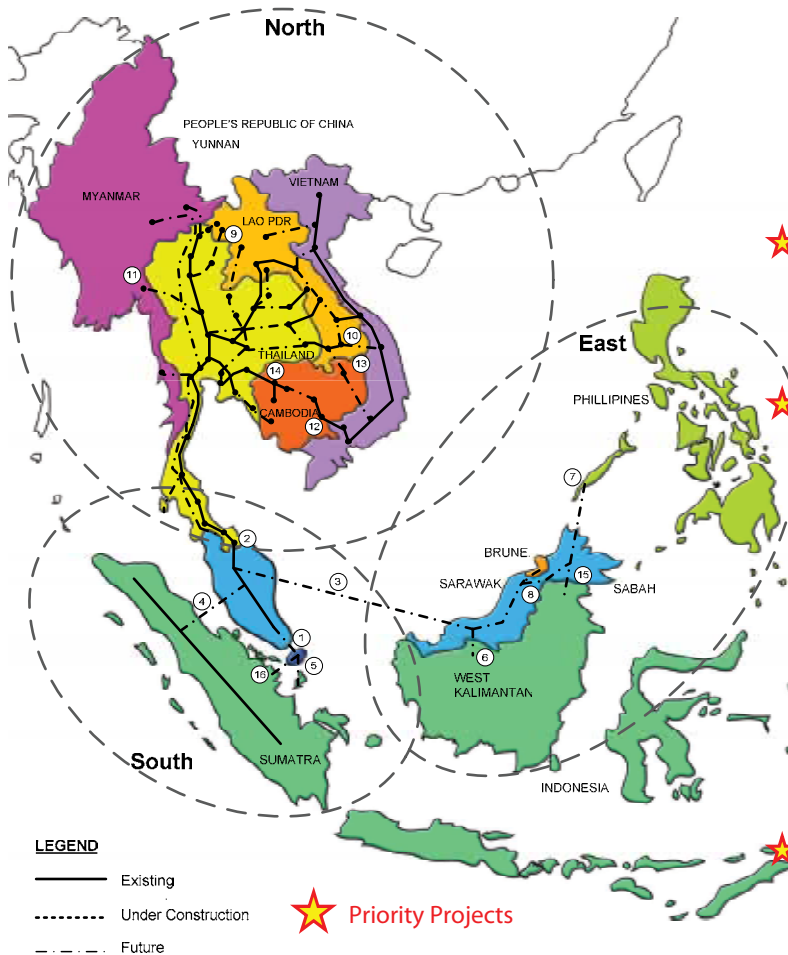
Source: IEA (2015), Southeast Asia Energy Outlook

MARKET INFORMATION ON ASEAN POWER GRID

Power Demand Forecast from 2012-2030



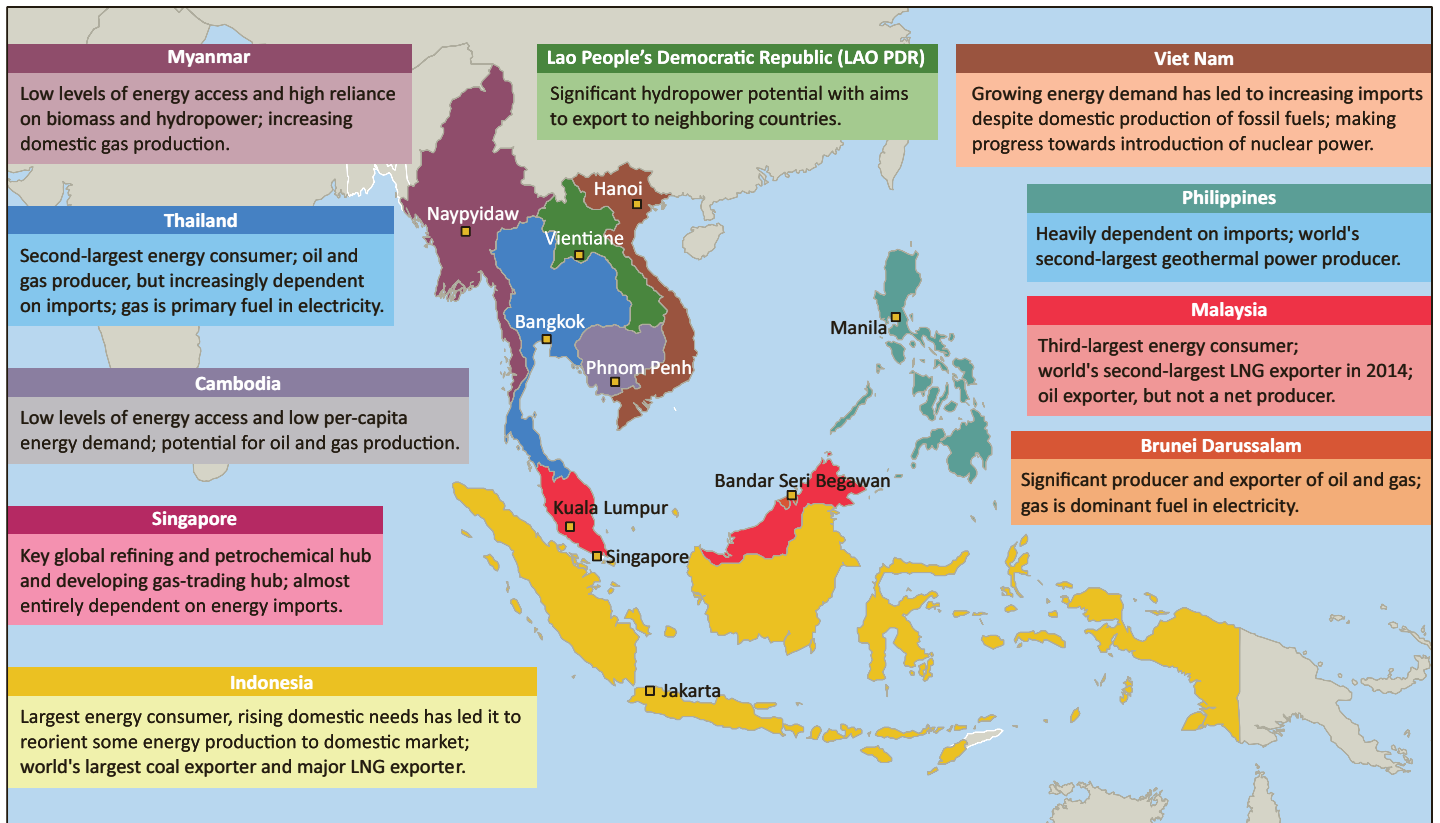
ASEAN Interconnection Projects (Updated in May 2015)



Project Name	Earliest COD
1) P.Malaysia-Singapore	
• Plentong Woodlands	Existing
• P. Malaysia-Singapore	post 2020
2) Thailand-P.Malaysia	
• Sadao-Bukit Keteri	Existing
• Khlong Ngae- Gurun	Existing
• Su Ngai Kolok- Rantau Panjang	TBC
• Khlong Ngae- Gurun (2 nd phase, 300MW)	TBC
3) Sarawak- P.Malaysia	2025
4) P.Malaysia- Sumatra	2020
5) Batam-Singapore	2020
6) Sarawak-West Kalimantan	2015
7) Philippines-Sabah	2020
8) Sarawak-Sabah-Brunei	
• Sarawak-Sabah	2020
• Sarawak-Brunei	2018
9) Thailand-Lao PDR	
• Roi Et 2 – Nam Theun 2	Existing
• Sakon Nakhon 2 – Thakhek – Then Hinboun (Exp.)	Existing
• Mae Moh 3 – Nan – Hong Sa	2015
• Udon Thani 3 – Nabong (converted to 500KV)	2019
• Ubon Ratchathani 3 –Pakse – Xe Pian Xe Namnoy	2019
• Khon Kaen 4 – Loei 2 – Xayaburi	2019
• Nakhon Phanom – Thakhek	2015
• Thailand – Lao PDR (New)	2019-2023
10) Lao PDR – Vietnam	
• Xekaman 3 – Tranhmy	Existing
• Xekaman 1 – Pleiku 2	2016
11) Thailand – Myanmar	2018-2026
12) Vietnam – Cambodia (New)	
• Chau Doc – Takeo – Phnom Penh	Existing
• Tay Ninh – Stung Treng	TBC
13) Lao PDR – Cambodia	2017
14) Thailand – Cambodia (New)	post 2020
• Aranyaprathet – Banteay Meanchey	Existing
• Thailand – Cambodia	post 2020
15) East Sabah – East Kalimantan	post 2020
16) Singapore – Sumatra	post 2020

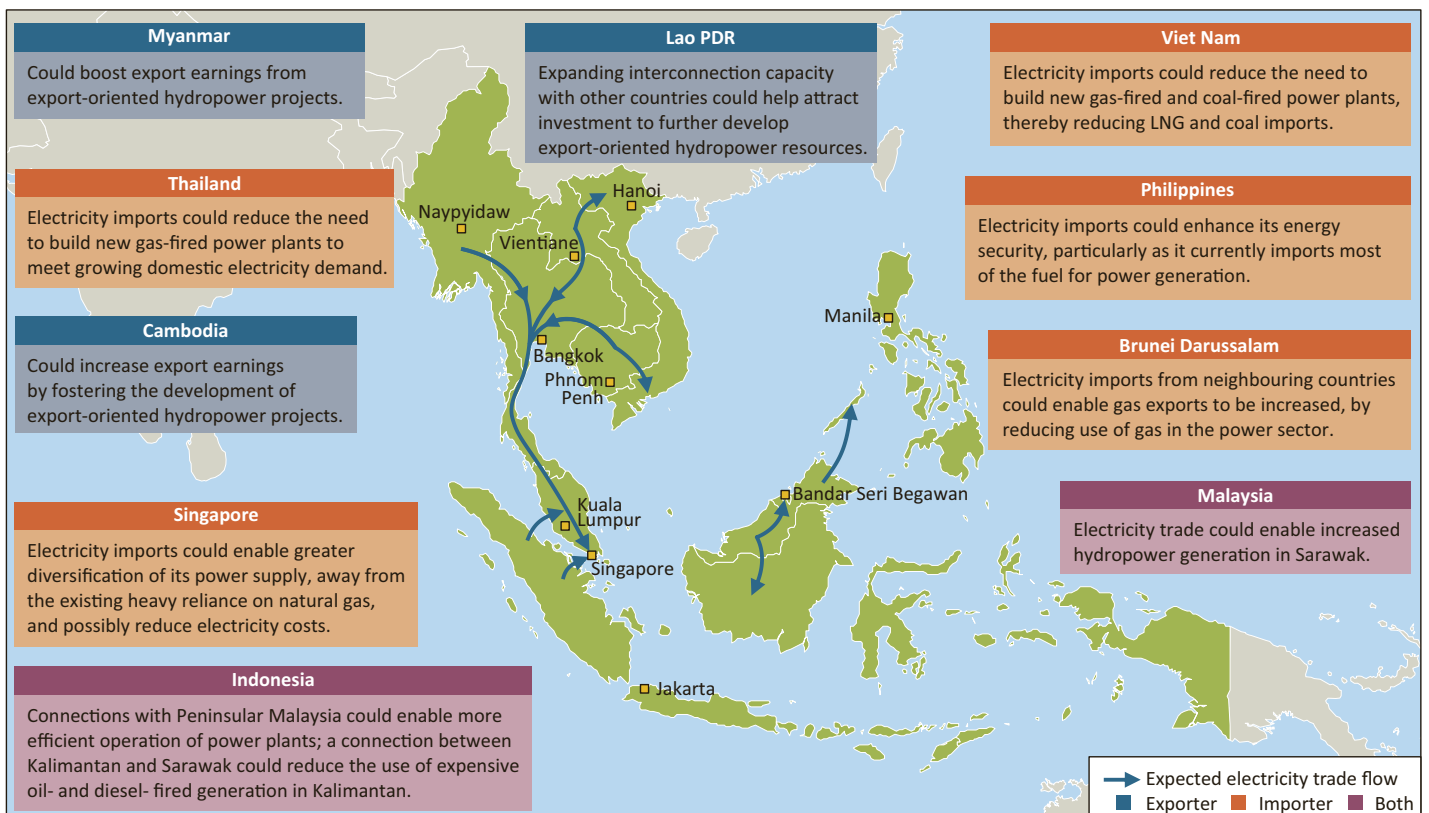
MARKET INFORMATION ON ASEAN POWER GRID

Energy Overview of Southeast Asia



This map is without prejudice to the status of or sovereignty over any territory, to the delimitation of international frontiers and boundaries, and to the name of any territory, city or area.

Eria Findings on The Potential Implications and Benefits of Enhanced Power Grid Interconnections



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PROGRAM

DAY ONE: 23 MAY 2017, TUESDAY

8:30AM	APGS 2017 Registration Begins Venue: Foyer of the Ballroom, Crowne Plaza
9:30AM	Delegates Take Their Seats at Ballroom Venue: Ballroom, Crowne Plaza
8:50AM	Arrival of Distinguished Guests
8:50AM	Arrival of Guest of Honor
9:00AM	ENERGY INVESTMENT MEETING FOR INVESTORS
OPENING CEREMONY	
10:00AM	INTRODUCTORY REMARKS Datuk Dr. Abdul Aziz S.A. Kadir, Chairman, Confexhub Group
10:10AM	WELCOME REMARKS
10:20AM	KEYNOTE ADDRESS AND LAUNCH OF APGS 2017
10:40AM	Networking & Refreshments Break
PLENARY SESSION	
11:10AM	Plenary Address 1: The ASEAN Power Grid Strategic Plan under the APAEC 2016 – 2025 Blueprint: Update and Prospects
11:40AM	Plenary Address 2: The ASEAN Power Grid Connectivity Development: Phase 1 Progress and Challenges
12:10PM	Plenary Address 3: Development Prospects and Opportunities for the Power Generation Sector under APG
12:40PM	Plenary Address 4: Trans-Regional Connectivity between the ASEAN Power Grid and the South-Asia Power Grid: Prospects and Opportunities
1:10PM	Luncheon for Guest Speakers and Delegates
SESSION ONE: POLICY AND PLANNING FOR CROSS-BORDER TRADE	
2:00PM	Paper 1: Regulatory and Standards for an ASEAN Multilateral Interconnectivity and Trade: Direction, Barriers and Strategies
2:25PM	Paper 2: The Heuristic Formula for a Regional Tariff Structure
2:50PM	Paper 3: Regional Environmental and Social Regulatory Standards Framework for APG
3:15PM	Paper 4: Regional Investment Framework and Policy for APG
3:40PM	Open Forum: Comments, Questions and Answers
3:50PM	Networking & Refreshment Break
SESSION TWO: FINANCING MECHANISM FOR ASEAN POWER GRIDS	
4:20PM	Paper 5: Sustainable Financing Mechanisms for APG Projects
4:45PM	Paper 6: Characteristics of a Bankable Energy Project for APG: The Funder's Perspective
5:10PM	Paper 7: Green Climate Funding for Renewable Energy Projects
5:35PM	Open Forum: Comments, Questions and Answers
5:45PM	CONFERENCE DAY 1 ENDS

PROGRAM

DAY TWO: 24 MAY 2017, WEDNESDAY

SESSION THREE: ASEAN INTERCONNECTION INFRASTRUCTURES

9:00AM	Paper 8: Greater Mekong Subregion (GMS) Power Trade and Interconnections Development Treaties: Opportunities and Challenges
9:25AM	Paper 9: The BIMP-EAGA Interconnectivity Energy Plan: The Business Opportunities
9:50AM	Paper 10: The LTMS-PIP Interconnections Project for Energy and Multilateral Trade Agreement: Status and Opportunities
10:15AM	Open Forum: Comments, Questions and Answers
10:30AM	Networking & Refreshment Break

SESSION FOUR: GENERATION RESOURCES FOR THE ASEAN POWER GRID

10:55AM	Paper 11: GAS Powered Generation for ASEAN: Challenges and Prospects
11:20AM	Paper 12: Coal Potential and Clean-Coal Technology Development for ASEAN
11:45AM	Paper 13: Hydropower Potential for ASEAN with Special Focused on Greater Mekong Subregion
12:10PM	Paper 14: Wind Energy Development and Prospects for ASEAN
12:35PM	Paper 15: Solar Energy Prospects and Challenges for ASEAN
1:00PM	Open Forum: Comments, Questions and Answers
1:15PM	Luncheon for Guest Speakers and Delegates

SESSION FIVE: ASEAN POWER GRID BUSINESS AND INVESTMENT OPPORTUNITIES

2:05PM	Paper 16: The Role of Laos Transmission and Power Generation Plan on APG
2:30PM	Paper 17: Thailand Power Grid and Generation Plan for APG through Renewables
2:55PM	Paper 18: Vietnam Transmission and Electricity Generation Masterplan for APG
3:20PM	Paper 19: Indonesia Archipelago Transmission and Power Generation for APG through New and Renewables and Non-Renewable
3:45PM	Paper 20: The Role of Philippines Transmission and Power Generation in Meeting APG's Demand
4:10PM	Open Forum: Comments, Questions and Answers
4:25PM	ASEAN POWER GRID SUMMIT 2017 ENDS

***This Program is subjected to change and for updated program, please logon on to www.aseanpowergridsummit.com
Program @ 3 January 2017*

SPONSORSHIP / EXHIBITION AT A GLANCE

INCREASE YOUR ORGANISATION'S VISIBILITY WITH KEY DECISION MAKERS BEFORE, DURING AND AFTER THE EVENT.

	Titanium	Platinum	Gold	Silver	Cocktail	Luncheon	Refreshment	Conference Speaker	Conference Session	Conference Bag	Conference Kit	Lanyard
Logo on Collateral	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Logo on A&P Material	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Logo on Backdrop & Signage	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Booth	12 sqm	6 sqm	6 sqm	6 sqm								
Bag insertion	✓	✓										
Token by GOH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Special Recognition from Podium					✓	✓	✓	✓	✓		✓	
Conference Pass	5	3	2	2	2	2				2		
Exhibitor Pass	2	2										
Speaking Slot	✓	✓			✓			✓	✓			
Ad in Program Book	✓	✓	✓		✓					✓	✓	
Logo on Website	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Logo & Profile in Program Book	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Web banner on www.confexhub.com	✓	✓	✓		✓							
Closed-door Meeting with GOH	✓	✓	✓		✓					✓	✓	
B2B Meetings	5	5	5	5	5	5	5	5	5	5	5	5

Contact Mr. Paul Yeo @ +603 2771 1668 or email: conference@confexhub.com for your customised sponsor partnership packages

Asean Power Grid Summit 2017 Secretariat c/o: Confexhub Group

Suite 1707, Level 17, Plaza Permata, 6, Jalan Kampar, off Jalan Tun Razak, 50400 Kuala Lumpur, Malaysia

Tel: +603 2771 1668 Fax: +603 2771 1669 Email: conference@confexhub.com

APGS 2017 REGISTRATION FORM

Title Mr. Mrs. Ms. Dr. Others (specify) : _____

Name (as per passport) _____

Name (to be appeared on conference badge) _____

Email _____

Passport No. _____ Date of Issue D D / M M / Y Y Y Y

Country of Issue _____ Expiry Date D D / M M / Y Y Y Y

Job Title _____

Company _____

Address _____

City/State _____ Postcode _____

Country _____

Telephone* _____ Fax* _____

Mobile Number* _____

*(Please include country and area code)

Fee per Delegate	1-2 Delegates	3 & Above
Early Bird Rate (registration with FULL payment received before 1 April 2017)	USD1,350 <input type="checkbox"/>	USD1,100 <input type="checkbox"/>
Normal Rate (registration with FULL payment received before 1 May 2017)	USD1,600 <input type="checkbox"/>	USD1,350 <input type="checkbox"/>
Walk-in Fee (registration with FULL payment received after 1 May 2017)	USD 2,100 <input type="checkbox"/>	

PAYMENT

- Full payment is required with your Registration Form before the Conference day. Tax-Receipt will only be issued upon receipt of full payment.
- Conference registration fee includes lunch and refreshments. The Conference registration fee, however, does not include travel, accommodation and incidental costs.
- All payments should be made in USD (\$) by bank draft, telegraphic transfer or cash only.
- All registrations by fax or post MUST reach us before 1 May 2017, after which late registrations will be considered as "WALK-INS" and subjected to "WALK-IN" fee.

PARTICIPATION TERMS & CONDITIONS

- Delegates may be substituted at any time, in writing, at NO extra charge.
- Cancellations received in writing before 15 April 2017 will be refunded, less a USD100 administrative fee. Cancellations received thereafter are not refundable.
- Confexhub reserves the right to reschedule or cancel the conference, exhibition, cocktail reception, due to circumstances beyond their control and reserves the right to make changes to the conference program or speakers without prior notice.
- Should the event and all its related activities be cancelled, curtailed or adversely affected by any cause not within the reasonable control of Confexhub including but not limited to war, fire, national emergency, labor dispute, strike, lock-out, civil disturbance, Act of God, or non-availability of premises for any reason, Confexhub shall be under no obligation to refund all or part of the sums paid by the delegate in respect of his/her participation in the workshop. Confexhub shall be under no liability to the delegate or any other person in respect of any actions, proceedings, claims, demands, losses (including consequential losses), costs or expenses whatsoever which may be brought against or suffered or incurred by the delegate as the result thereof.

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