

SETA 2017

SUSTAINABLE ENERGY & TECHNOLOGY ASIA 2017

8-10 March 2017

Bangkok, Thailand

Co-Organised by



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Ministry
of Industry



Ministry of Science &
Technology

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SETA
2017

The 2nd Sustainable Energy & Technology Asia

“TOWARDS A
LOW-CARBON
SOCIETY”



SUSTAINABLE ENERGY & TECHNOLOGY ASIA 2017

8-10 March 2017

BITEC: Bangkok International
Trade & Exhibition Centre
Bangkok, Thailand

EVENT PROSPECTUS

The second edition, international Exhibition & Conference

A MUST-ATTEND EVENT FOR CROSS-PLATFORM DISCUSSIONS ON ENERGY
AND TECHNOLOGY IN ASIA WITH FOUR MAIN TOPICS :



SUSTAINABLE ENERGY POLICY AND PLANNING



GREEN TRANSPORT AND LOGISTICS



LOW-CARBON ELECTRICITY GENERATION



SMART CITIES AND GREEN INDUSTRY

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**The Ministry of Energy of Thailand
is delighted to support and co-organise
“Sustainable Energy & Technology Asia 2017”
which is a great energy exhibition
and conference originated in Thailand.**



Thailand has been at the heart of leading implementation in energy efficiency and alternative energy development, especially for CO₂ mitigation from different sectors, such as Transport and Logistics, Electricity and Power Generation, Industries, Residential, etc. And we actively share, discuss and contribute to the interactive discussion on the up-to-date issue, “Low-Carbon”.

A Low-Carbon Society will be achieved by a combination of Technologies and Solutions from both supply and demand sides, and efforts from everyone. This is a Challenge for Thailand, and all the countries in the world.

It is imperative that we discuss and debate how we can work together to improve the efficiency and sustainability of both energy generation and energy consumption. In addition, the development of renewable energy with low CO₂ emission, and demonstration of the reduction in inefficient energy use through the innovative technology policies and solutions are also under focus.

We are looking forward to the productive discussion and constructive sessions. The Ministry of Energy of Thailand would like to invite you to participate in Sustainable Energy & Technology Asia and we look forward to welcoming you to Bangkok, Thailand on 8-10 March 2017.

WELCOME FROM MINISTRY OF ENERGY THAILAND

Mr. Areepong Bhoocha-oom

Permanent Secretary, Ministry of Energy of Thailand

THAILAND ENERGY

The recent outlining of Thailand's power development plan 2015- 2036 (PDP 2015) shows a forecasted decline in electricity demand. This was caused by two factors: an expected decline in economic growth from 4.41% to 3.94%, and as a result of the country's energy conservation plan and alternative energy development plan.

Outlining of PDP 2015 was based on 3 major criteria:

1) Security of National Power System. Its goal is to become less dependent on natural gas with a targeted decline from present figure of 65% to 40% by the year 2036. Also, relying more on alternative/ renewable energy, clean coal, and electricity imported from neighboring countries. At the same time, spare capacity must be no less than 15% of peak load.

2) Ecology. Carbon monoxide is the major cause of global warming. The aim is to decrease the release of said gas by 37% through increased production of renewable power, and full-fledged implementation of energy conservation in 4 key target groups: industry, business buildings, houses, and public sector. This should result in decrease of electricity demand of 89,672 GWh in 2036.

3) Economy. Determine appropriate electricity rate that effectively reflects actual cost, production/transmission/sales systems. Provide the least impact on people's cost of living. It is estimated that average electricity rate throughout PDP 2015 is at 4.587 Baht/1 GWh.

The development of energy efficiency is the key to advance Thailand's overall energy strategy. It is especially significant to enhance energy security when Thailand relies largely on imported energy. This allows other industries to grow and compete in the global scale.

Renewable Energy is relevant for Thailand's long-term future growth. Reference Scenario and Blueprint Scenario suggest that renewable Energy's Market share will increase to 14% and 20% within the next 20 years, respectively. Solar Power and biomass energy (Energy crop, biogas, biofuel, and refuse-derived fuel) are expected to be the alternatives in the next 20 years. Government's support such as competitive bidding process is the main avenue in achieving the desirable shift to alternative energy.

Thailand has faced an increasing trend of dependency on imported energy. The connection with neighboring countries is important for stabilizing Thailand's Energy sector. Strengthening the energy network within the Greater Mekong Subregion (GMS) and ASEAN has a great potential to help Thailand sustain sufficient amount of energy in the future.

Learn more at

**SUSTAINABLE
ENERGY &
TECHNOLOGY
ASIA 2017**

**8-10
March 2017**

See you soon!



The 2nd Sustainable Energy & Technology Asia



WELCOME FROM
CHAIRMAN OF SETA 2017

Dr. Tatchai Sumitra

Former President of Chulalongkorn University

**As the Chairman of the Organizing Committee
I would like to welcome you to SETA 2017
(Sustainable Energy and Technology Asia 2017).
This International Conference and Exhibition is scheduled for
8-10 March 2017 at the BITEC Bang Na, Bangkok, Thailand.**

SETA 2017 will provide an ideal platform for policy makers, energy planners, energy regulators, researchers, engineers, scientists, economists, operators, manufacturers, industry, scholars, etc., to exchange and share their views and experiences in de-carbonizing the power sources. The theme "Towards a Low-Carbon Society" derives from SETA 2016 since experts from almost all continents seemed to agree that we have no choice but to go towards a low-carbon economy in order to mitigate the Global Climate Change and to enhance the quality of life at the same time. The topics of this year Conference will cover the whole spectrum of low-carbon economy and will have four sub-themes as follow,

- Sustainable Energy Policy and Planning
- Low-Carbon Electricity Generation
- Green Transport and Logistics
- Smart Cities and Green Industry

Several important conclusions are expected at the end of SETA 2017 and will be made available to parties concerned.

As for this year Exhibition we expect to have several cutting-edge technologies on display. A large area is devoted to Hybrid and Electric Vehicle Technologies. Several manufacturers from Asia and other continents will be represented. Country pavilions, such as Japan Pavilion, are also scheduled. Technologies concerning Clean Coal, Smart City, Green Industry, Green Transport and logistics will also be on display. I am certain that you will benefit most from SETA 2017. I wish you a good time in Thailand which has many beautiful and diverse things to offer. See you in Bangkok in March 2017.



SETA is an excellent and indispensable platform combined with conferences and exhibition to understand what is happening in the energy and environmental arena in ASEAN now and in the future. As a co-chairman of SETA, I would like to recommend all of you to come, see, hear and discuss with people gathering there, who are distinguished business people, scholars, government officials and politician from all over the world in view of the following three standpoints.

First, it is about Climate Change. At COP 21, held in Paris last December, more than 180 countries submitted their GHG mitigation targets and agreed to reduce GHG collectively. This is a success, but perhaps, to put it accurately, a starting point of great success. More important is the next step, where all the countries will make improve their emission mitigation targets. SETA will give you an exceptional opportunity to think what you need to do next.

Second, it is about technologies to address Climate Change. It is not only zero emission energy technologies, such as renewable and nuclear, but cleaner fossil fuel technologies as well as energy efficient technologies. You could have a lot of chances to digest those various state of the art technologies presented by prominent companies from all over the world.

Third, it is about investment. In order to address Climate Change, investing for new technologies is essential. How much investment need to be made on which technologies and on what conditions, including those in finance. You could find best answers here at SETA 2017, held in Bangkok on March 2017.

SETA 2017 is the second one of this sort, which is evolving rapidly with your participation.

WELCOME FROM CO-CHAIR OF SETA 2017

Mr. Masakazu Toyoda
CEO & Chairman, Institute of Energy Economics, Japan

1.

POWERFUL ASIA ENERGY & TECHNOLOGY PLATFORM

“The full implementation of climate pledges will require the energy sector to invest \$13.5 trillion in energy efficiency and low-carbon technologies from 2015 to 2030, representing almost 40% of total energy sector investment. Around \$8.3 trillion is needed to improve energy efficiency in the transport, buildings and industry sectors, while much of the remaining investment is to decarbonise the power sector. More than 60% of total investment in power generation capacity is projected to be for renewable capacity, at \$4.0 trillion, with one-third of this being for wind power, almost 30% for solar power (mainly solar photovoltaics) and around one-quarter for hydropower. ”

-World Energy Outlook

“In the current situation with the increasing energy demand and global oil price fluctuation, the challenge is for us to realize synergies in the management and use of energy in order to achieve a balance between Security, Prosperity and Sustainability.”

*- General Anantaporn Kanjanarat,
Minister of Energy*

SETA 2017

ASEAN countries project to expand development and investment in Energy and Technology. Thailand is one of the most environmentally conscientious places for energy. The country also has the second-highest primary energy demand in ASEAN. Two reasons why it is an excellent and powerful place to discuss and exchange about the future of Sustainable Energy and Carbon-Fighting Energy Technology.

The premier Asian annual energy and technology event, Sustainable Energy & Technology Asia (SETA), is ongoing. It's aim is to develop an international platform for the value chain of energy, to meet and discuss the latest issues in policy planning and technology advancement, and to support the global low-carbon advocacy.

SETA became a significant emerging Asian event comprised of multi-streamed industries. The conference's program aims to address the latest commercial, technical and specialized issues in policy and planning. The trade show floor features over a hundred exhibitors, altogether hosting 5,000 attendees from 41 countries.

SETA's commitment is to showcase cutting edge projects from energy innovations. SETA believes that in order for the policies to be effective, there should be integration in CEO Forum programs. Thus, the true essence of SETA is the attendance and collaboration of hundreds of high-level executives and government ministers who exclusively represent the Asian Energy direction.

SETA 2017 is a three-day international conference that enables exhibition and networking. It is an appropriate platform for meeting and exchanging of knowledge about Sustainable Energy and Technology between ASEAN and overseas countries. Supported by the Thai government and the private sector association, this must-see event will allow Thailand to be the representative country and the “place to be” for meetings between energy and technology industrial partners. It will provide an appropriate venue for contribution and sharing of information among thousands of prospected delegates over ASEAN countries and around the world.

This is an important first step for the Thai energy sector to collaborate with international corporations. With full support from the Ministry of Energy of Thailand, we can move forward together with the ASEAN and international energy industries.

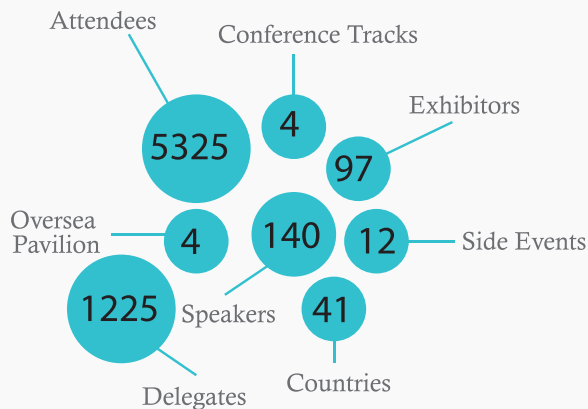
See you at the Bangkok International Trade & Exhibition Centre (BITEC) on 8-10 March 2017!

2.

STATISTICS AT-A-GLANCE

97%

attendees are
satisfied with
SETA2016



Participants Feedback

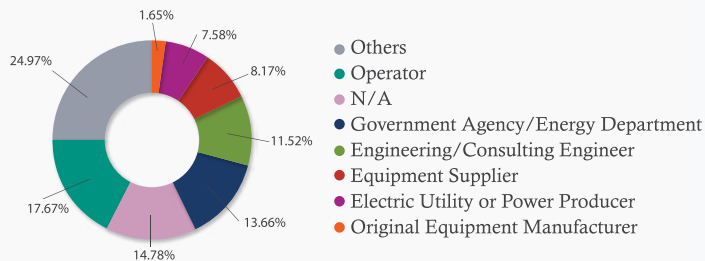
- 97%** of Attendees surveyed considered the Event good to excellent
- 86%** of Exhibitors achieved their objectives and expectation
- 42%** of Exhibitors polled came to showcase new service and products
- 98%** of Delegates rated the quality of speakers above good to excellent
- 93%** of Delegates believe that Asia will remain the world's fastest growing market for power infrastructure in next decade
- 64%** of Visitors attending had final decision authority or were recommenders
- 96%** of Attendees said they will attend SETA again next year

PREVIOUS EXHIBITORS

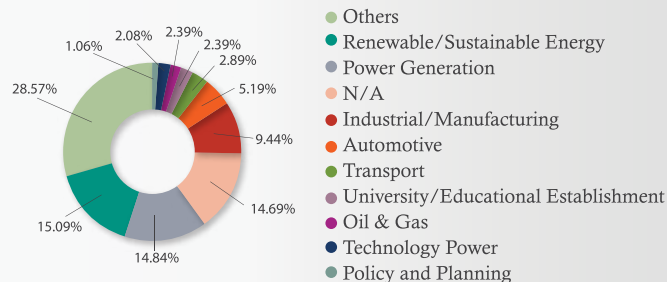


3. STATISTICS AT-A-GLANCE

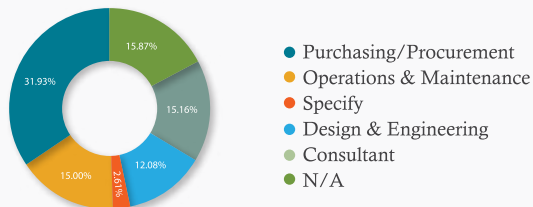
OVERALL ATTENDEES CLASSIFIED BY "TYPE OF ORGANISATION"



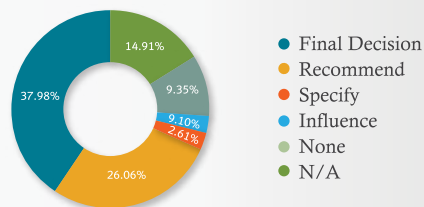
OVERALL ATTENDEES CLASSIFIED BY "ORGANISATIONS INDUSTRY SECTOR"



OVERALL ATTENDEES CLASSIFIED BY "JOB FUNCTION"



OVERALL ATTENDEES CLASSIFIED BY "PURCHASING AUTHORITY"



4. SHOW ACTIVITIES



01

EXHIBITION

02

CONFERENCE

03

WELCOME
RECEPTION &
NETWORKING

04

MULTI
CO-LOCATED
EVENTS

05

BUSINESS
MATCHING

MORE HIGHLIGHTS FOR

SUPPORTED BY:

- The Institute of Energy Economics, Japan (**IEEJ**)
- Asean Centre For Energy (**ACE**)
- Deutsche Gesellschaft für Internationale Zusammenarbeit (**GIZ**) GmbH
- Economic Research Institute for ASEAN and East Asia (**ERIA**)
- Energy Policy & Planning Office, Ministry of Energy Thailand (**EPPO**)
- Department of Alternative Energy Development and Efficiency (**DEDE**)
- Embassy of Japan in Thailand
- European Association for Business and Commerce (**EABC**)
- German-Thai Chamber of Commerce (**GTCC**)
- Thai European Business Association (**TEBA**)
- Chulalongkorn University (**CU**)
- Independent Power Producers Forum (**IPPF**)
- India Energy Storage Alliance (**IESA**)
- Malaysia Green Building Confederation (**MGBC**)
- New Energy and Industrial Technology Development Organization (**NEDO**)
- Taiwan External Trade Development Council (**TAITRA**)
- Nuclear Society of Thailand (**NST**)
- Electric Vehicle Association of Thailand (**EVAT**)
- Thailand Automotive Institute (**TAI**)
- Thailand Greenhouse Gas Management Organization (**TGO**)
- World Alliance for Thai Decentralized Energy (**WADE Thai**)
- The Thai Chamber of Commerce (**TCC**)
- The Federation of Thai Industries (**FTI**)

- National Science and Technology Development Agency (**NSTDA**)
- Asian Institute of Technology (**AIT**)
- Sirindhorn International Institute of Technology (**SIIT**)
- National Institute of Development Administration (**NIDA**)
- King Mongkut's University of Technology Thonburi (**KMUTT**)
- King Mongkut's Institute of Technology Ladkrabang (**KMITL**)
- Prince of Songkla University (**PSU**)
- Chiang Mai University (**CMU**)
- Thailand ESCO Association (**Thai ESCO**)
- Thailand Convention and Exhibition Bureau (**TCEB**)
- Thai Wind Energy Association (**Thai WEA**)
- India Thia Chamber (**ITCC**)
- Office of Natural Resources and Environmental Policy and Planning Association (**ONEP**)
- The Thai Automotive Industry Association (**TAIA**)
- The Joint Grauate School of Energy Environment (**JGSEE**)
- Council of Engineers (**COE**)
- Thai Airways (**THAI**)

and upcoming more

SETA 2017

CEO
Energy
Forum

Financing in
Energy &
CLMVT Forum

Hybrid & EV
Technology
Zone

CLMVT
Energy
Forum

5.

TOPICS OF SETA2017 FOR EXHIBITION & CONFERENCE

1.

Sustainable Energy Policy and Planning

- Energy Planning at a Regional, National and Local Scale
- Energy Pricing
- Fiscal and Regulatory Policies at Supply
- Existing and Emerging Energy Markets and Reforms
- Alternative Energy Market and Policies
- Financing & Investments for Energy Supply
- Energy Integration Plan, Experiences, Challenges and Opportunities
- Regional Energy Supply Infrastructure
- Regional Policy Integration

3.

Green Transport and Logistics

- Novel Hybrid Vehicles
- Electric Vehicles and Infrastructure
- Novel Battery Development and Charging Systems
- Hydrogen and Fuel Cell Vehicles
- Public Transportation and Infrastructure
- Green Transport
- Fuel Pricing and Tax Incentives for Transportation
- Bio fuels for Transportation
- Pipeline Transport and Regional Connectivity
- Green Logistics
- Floating LNG Terminal

2.

Low-Carbon Electricity Generation

- Electricity Generation
- Electricity Transmission
- Electricity Distribution
- Electricity Storage
- Smart Grids in Power System
- Low-Carbon Energy Projects in Asia
- Energy Efficiency and Management
- Clean Coal Technology
- Co-generation
- Nuclear Power in Asia

4.

Smart Cities and Green Industry

- Smart Grid for Smart Cities
- Low Energy and Low-Carbon City
- Smart Waste Management
- Urban Renewable Energy
- Green Buildings and Infrastructures
- Green Urbanization
- Green City
- BEMS & HEMS
- ESCO Approach to Smart Cities
- ICT Application in Smart Cities
- Digital Utilities

6. CONFERENCE PROGRAM

Date	Time	Plenary Session(2nd fl)	Breakout Session (In exhibition hall 103-4)			Exhibition	
		Grand Hall Room	Room 1	Room 2	Room 3	EH 103-4	EH 104
DAY 1.	09.00 - 10.30 Hrs.	GRAND OPENING				SETA 2017 (10.00-18.00 HRS)	HYBRID & EV TECHNOLOGY (10.00-18.00 HRS)
	10.30 - 17.30 Hrs.	CEO ENERGY FORUM	LOW CARBON ELECTRICITY GENERATION	GREEN TRANSPORT AND LOGISTICS	SMART CITIES AND GREEN INDUSTRY		
DAY 2.	09.00 - 17.30 Hrs.		CLMV FORUM	SUSTAINABLE ENERGY POLICY AND PLANNING	GREEN TRANSPORT AND LOGISTICS		
		VIP DINNER		LOW CARBON ELECTRICITY GENERATION	SMART CITIES AND GREEN INDUSTRY		
DAY 3.	09.00 - 17.30 Hrs.		SUSTAINABLE ENERGY POLICY AND PLANNING	LOW CARBON ELECTRICITY GENERATION	GREEN TRANSPORT AND LOGISTICS		
				SMART CITIES AND GREEN INDUSTRY			

7. COST OF EXHIBITING

OPTION
1

Standard Furnished Booth (minimum 9 sq.m.)

Rate: **USD 375** per sq.m.
Extra-charge: the corner booth
will be extra charged of USD 125

Standard Furnished Booth includes:
System wall partition height of 2.5m, Floor Carpet, Fascia
with Company Name with Booth Number (Max 24 Letters),
Fluorescent lights, 1 power socket 5Amp, 1 reception desk
and 2 chairs per booth unit, listing in the official event
guide and website.



OPTION
2

Bare/Raw Space (minimum 18 sq.m. and above)

Rate: **USD 300** per sq.m.

Additional Buying
Conference Fee for Exhibitor
USD 200 / person
(Early Bird USD 150 / person,
on or before 31st January 2017)

CONFERENCE FEE



	<i>Regular</i>	<i>Early-Bird</i>
CEO Forum (1-day)	USD 500	USD 300
SETA conference Fee (3-day conference)	USD 650	USD 300
Supporting Organization	USD 200	USD 150
Student (ID Required)		USD 120
Exhibitor	USD 200	USD 150



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Nop@gat.co.th +66 84 639 2629

8.

FLOOR PLAN



EH 103- 4

Gross Space : 9,600 sq.m



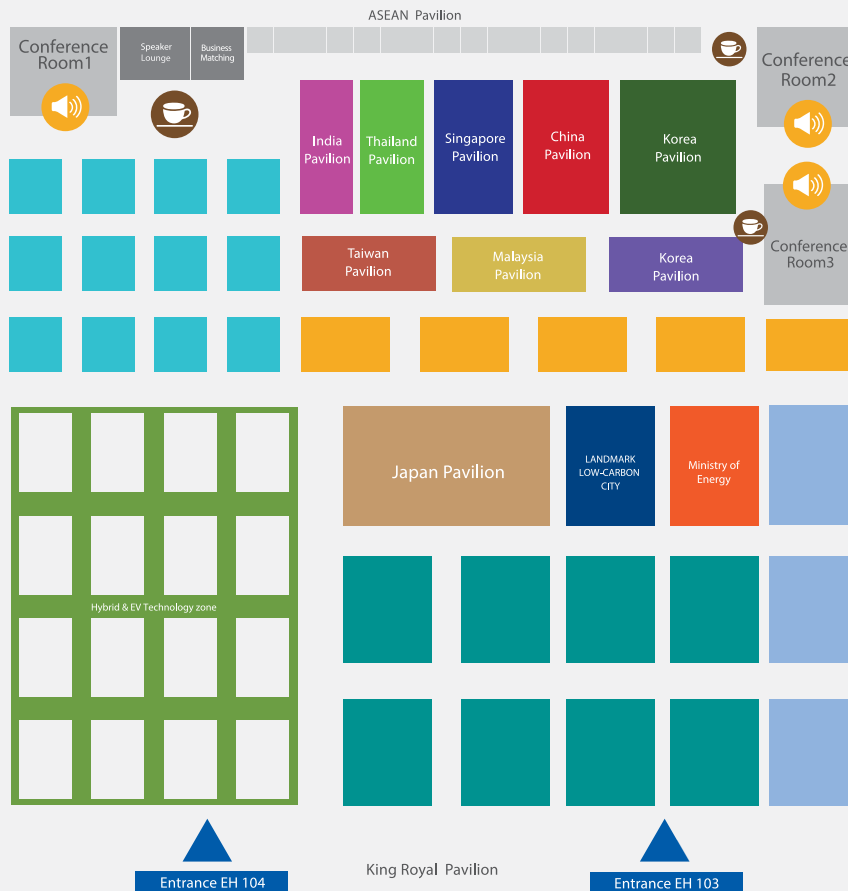
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Other Sponsors



Entrance EH 104

King Royal Pavilion

Entrance EH 103

9.

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Dr.Akarin Suwannarat
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