



Under the patronage of
H.E. Dr. Abdul Hussain bin Ali Mirza
Minister of Energy
Kingdom of Bahrain

2nd ENERGY MANAGEMENT CONFERENCE & EXHIBITION 2015



6 - 8 December, 2015
Gulf Hotel, Kingdom of Bahrain

Sustainable Energy for Developing Countries



Organized by



الهيئة الوطنية للنفط والغاز
NATIONAL OIL & GAS AUTHORITY



جمعية المهندسين البحرينيين
BAHRAIN SOCIETY OF ENGINEERS

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Ministry of Finance



www.energymanagement.bh



Organizing Committee Message

It is our great pleasure to welcome you to the Second Energy Management Conference & Exhibition 2015. We are honored to hold this reputable event under the patronage of H.E. Dr. Abdul Hussain bin Ali Mirza, Minister of Energy, Kingdom of Bahrain.

Energy management is a vital area to investigate, which requires special attention due to the evolving field. The topic of energy management may be summed up in the planning and operation of energy-related production and consumption units. The main purpose for studying energy management is to conserve resources, protect the climate and reduce costs. By fulfilling these purposes, the consumers of energy will ultimately have permanent access to the required energy.

The 2015 Conference and Exhibition will be dedicated to examining exciting topics in the related field, such as policy framework, energy security, energy efficiency, renewable energies, private sector and financing institutions, and climate change.

We invite local, regional and international organizations to participate in the energy management exhibition being held in parallel to the conference which will showcase the latest trends and technologies.

We look forward to meeting you all at this premier international gathering.

Thank you.

Introduction

Energy security is a core element in any national development plan and energy management is the vehicle for attaining and ensuring the long-term sustainable supply of energy to fuel the national prosperity. This is particularly true in our region as energy security affects all aspects of development, including access to water, which represent the biggest challenge to almost all nations.

Conventional energy sources are normally associated with undesirable effluents that if not managed well, can have detrimental impact on our planet earth including global climate change. Therefore, environmental compliance plans should always be an integral part of any national development plan. The ultimate objective of energy management systems is to ensure the availability of the needed energy sources for fueling the present without compromising the ability of the future generation to meet their energy needs. This noble objective must be fulfilled with minimum impact on the environment.

Energy management is a top down instrument that enables government institutions to foster collaboration and benefit from the synergy between all stakeholders, including producers, consumers and investors. Energy security over the medium to long terms can only be effectively managed by an integrated plan that addresses the following four pillars:

1. Technologies that enhance energy sustainability such as renewable sources and bio-energy.
2. Generation efficiency to produce more useable energy from unit input sources.
3. Energy efficiency measures to minimize waste and improve energy utilization.

The conference will address these important topics specially from the policy and management perspectives and will provide attendees with professional insights of the industry leaders and experts. We are confident that you will find the conference and exhibition rewarding and enjoyable.

We look forward to seeing you in Bahrain.



Advisory Committee



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Advisor – Minister's Office
National Oil & Gas Authority
Bahrain

Conference Committees

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Bahrain Society of Engineers

Mr. Jameel Khalaf Al Alawi
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Bahrain Society of Engineers

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Ms. Walaa Al Malki
Ms. Balqees Janahi
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National Oil & Gas Authority, Bahrain
National Oil & Gas Authority, Bahrain

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Kuwait University – ASHRAE
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EPFL, Switzerland
Chinese Society for Electrical Engineering, China
EDESA, Argentina
Energy Commission, Nigeria
Institution of Engineers, India
Jadehochschule, Germany
South African Federation of Engineering Organisation, Zimbabwe

Topics

Policy Framework

- Energy Policies
- Harmonized Regional Energy Policies
- Supply / Demand Side Management
- Role of Energy Regulators
- Policy Options for Sustainable Transport
- Policies for Energy Efficiency Improvement
- Policies for Up-Scaling Renewable Energy (RE)
- Feed-in Tariff
- ISO 50001
- Energy – Water Nexus

Energy Security

- Gas Shortage Challenges
- LNG and Energy Security
- Impact of Shale Gas on LNG market
- Cross- boundary Energy Transport
- GCC Energy Market
- ERM and Resilience – Governing Policy
- Oil Security Index
- Role of Nuclear Energy

Energy Efficiency

- Industrial Energy Efficiency
- Energy Efficiency technologies
- Waste Heat Recovery in industrial Processes
- Green Building
- District Cooling
- Standards and Labels
- Refrigeration & Air Conditioning Applications
- Hybrid Energy Systems Performance

Energy & Environment

- Environmental impacts of Energy Industries
- Air quality in Gulf Cities
- Oil spill contingency plans
- Hazardous wastes management from oil industries
- ISO 14000
- Indoor Air Quality

Renewable Energies

- Challenges and opportunities
- Markets and Technologies
- Concentrated Solar Power (CSP)
- Photovoltaic (PV)
- Wind Energy
- Hydrogen Fuel
- Waste to Energy
- Bio - Energy
- Smart Grids
- Energy Storage
- Renewable Energy Systems Integration

Private Sector and Financing Institutions

- Energy Sector Reforms
- Independent Power and Water Producers
- Consulting Services
- Technology Providers
- Energy Services Companies (ESCOs)
- The Role of Financial Institutions
- Energy Financial Schemes
- Public - Private Partnership (PPP)

Energy & Climate Change

- The New Climate Change Agreement
- Global Carbon Market
- National Appropriate Mitigation Actions (NAMAs)
- Future of the Clean Development Mechanism (CDM)
- Carbon Capture and Storage (CCS)
- Vulnerability of the Energy Sector to Climate Change



Call for Papers

Technical papers are invited on the topics outlined above and other subjects related to the theme of the conference. Abstracts should be submitted to the Chairman of the Technical Committee using our online portal on www.energymanagement.bh. Abstracts should clearly state the subject matter, the objectives, and the important conclusions to be presented in the full paper. The abstract should include the title of the paper, the author's name and the affiliation including the mailing and the e-mail addresses. Selection of papers will take into account the originality, relevance and likely interest to delegates. Theoretical papers are expected to include experiments or practical validation and/or detail of likely application. Guidelines for the submission of manuscript for review and for the preparation of final draft will be communicated upon the acceptance of the abstract. Abstracts should not exceed 400 words. Paper manuscript or power point presentations are both accepted. Speakers whose abstracts have been accepted will be exempted from the registration fee.



Prize/s will be awarded
to the author(s) of the
Best Technical Papers
presented at the conference
in two categories – Bahraini & Non-Bahraini

Important Dates

Submission of Abstract	: 31 st March 2015
Abstract Acceptance Notification	: 15 th April 2015
Submission of Final Paper/ Presentation	: 15 th August 2015
Acceptance of Final Paper/ Presentation	: 31 st August 2015

Conference Language

The official language will be English.



Conference Registration Fees

Category	Full Registration			
	Early Bird Before 31st October 2015			
Delegates	<input type="checkbox"/> BD 190	US\$ 500	<input type="checkbox"/> BD 230	<input type="checkbox"/> US\$ 610
Authors	<input type="checkbox"/> BD 100	US\$ 265	<input type="checkbox"/> BD 100	<input type="checkbox"/> US\$ 265
Students*	<input type="checkbox"/> BD 80	US\$ 215	<input type="checkbox"/> BD 80	<input type="checkbox"/> US\$ 215

*Should provide proper authentication



Exhibition Information

An exhibition will be held on 6 to 8 December 2015, intended to provide an opportunity for companies, consulting and research organizations to display and demonstrate their products and services related to the subject of electricity and water conservations and other associated services. Interested organizations are encouraged to participate either by sponsoring the event or by taking part in the exhibition (see the exhibition form).

The exhibition stands are 3m wide, 2m deep and 2.4 m height. In addition to the stand, two florescent lights will be provided. Moreover, each exhibitor is entitled for the following benefits:

- 1) Exhibitors names will be published in the conference web site.
- 2) Exhibitors profile and logo will be included in the Conference Proceedings.
- 3) Advertising space will be available in the Exhibition Guide at a nominal cost, details will be provided on request.
- 4) A brief resume (8 - 10 lines) of each exhibitor will be included in the official exhibition guide, which will be circulated to all invited government officials, VIPs, visitors and participating delegates.
- 5) Wide publicity will be given in the gulf region about the exhibition to attract regional and international Industrial Companies and Government officials to visit the exhibition booths during the conference period.
- 6) Each exhibitor is entitled to one full conference package one person allowed to attend all the technical sessions free of charge during the 3 days conference period.

Full Exhibition space - BD. 800 or US\$ 2160 with fittings (3x2 m)

For further details about the Exhibition, please contact the Conference Secretariat.

Conference Secretariat

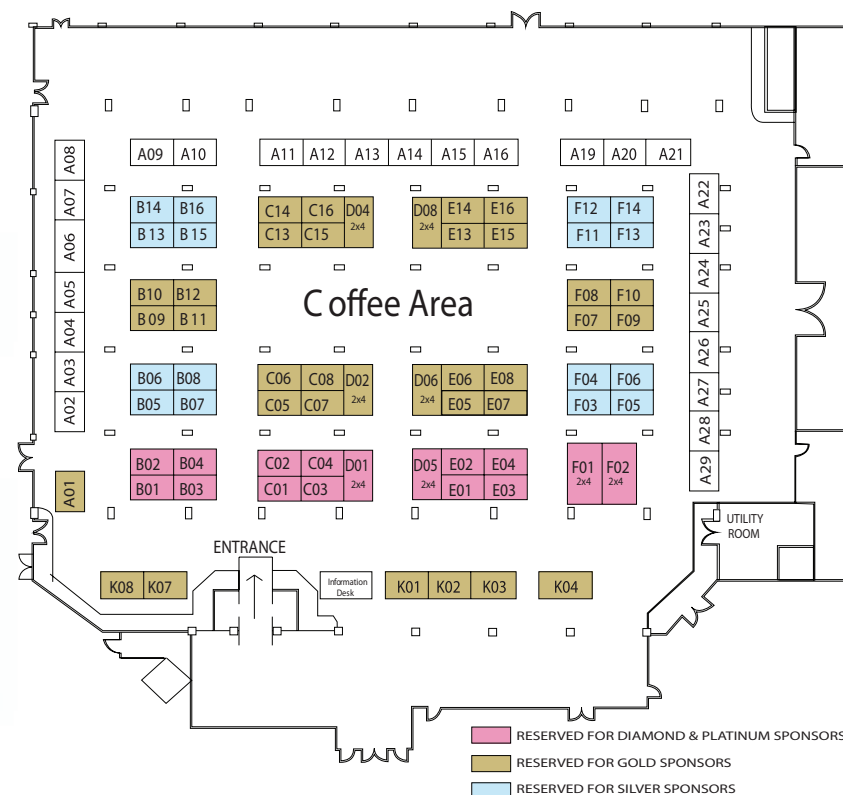
Bahrain Society of Engineers, P O Box 835, Manama, Kingdom of Bahrain

Tel: +973 17 810733 Fax: +973 17 827475 Email: vivek@mohandis.org

Cancellation Policy:

A Sponsor / exhibitor may cancel their participation in the conference by giving conference organisers notice in writing. If the organizers receives notice of cancellation by 1st October 2015 or before the issue of the last conference brochure, there will only be a service charge of 20% of the sponsorship / exhibition fee as cancellation charges.

If notice of cancellation is received after the issue of the last conference brochure or 1st October 2015 the Sponsor / exhibitor shall be obligated and must pay a cancellation charge of 50% of the total sponsorship / exhibition fee. If notice of cancellation is received after 1st November 2015, the entire sponsorship / exhibition fee is due as cancellation charges. In the event of cancellation, organisers has the full right to use the space for their own convenience, including selling the space to another exhibitor, without rebate or allowance to the cancelled exhibitor. The organiser assumes no responsibility for having included the name or description of the cancelled exhibitor in programmes, news releases, publicity or other materials.



Note:

Organisers have the right to modify / change the floor plan as and when required.

Exhibition Stand height is 2.4m.

Exhibition Stand Booking Form

2nd Energy Management Conference & Exhibition 2015

6 - 8 December 2015, GICC, Gulf Hotel, Kingdom of Bahrain

Organization:

Name of Representative:

Position:

Mailing Address:

City:

Country:

Postal Code:

Telephone:

Mobile:

Fax:

Email:

Products or services to be displayed:

Signature:

Date

Select the desired stand options

Option A ☐

Shell Scheme Package

Participation fees: BD 800 or US\$ 2160 (per 6m²)

No. of Stands Required

Booked Shell Space

Participation includes:

White wall panels 2.4m height, Carpet Floor, 2 Tables with three chairs, two fluorescent lights, one 240 volt power socket.

Stand Nos.

Select desired stand Nos. from the exhibition stand layout

Option B ☐

☐ Stand Space Only (min. 6m²)

Participation fees: BD 125 or US\$ 340 per m²

Stand Nos.

Select desired stand numbers from exhibition stand layout

Booked Shell Space

Participation does not include any stand construction except one 240 volt power supply. (It is not permitted to use wall partitions of adjacent stands.)

Note: All efforts will be made to accommodate your stand location request based on availability

Please forward your booking form to:

The Forum Secretariat,

Bahrain Society of Engineers

P O Box 835, Manama, Kingdom of Bahrain.

Tel: +973 17 810727, Fax: +973 17 827475

Email: sumam@mohandis.org or bseng@batelco.com.bh

Terms and Conditions

- 1) Payment in full should be paid by Credit Card mail order, bank transfer or banker's draft payable to :
Account Name - Bahrain Society of Engineers
Account No. - 99065991
Bank Name - National Bank of Bahrain
Swift Code - NBOBBHBM, IBAN No: BH47-NBOB-0000-0099-0659-91
- 2) In case of cancellation of Exhibition Space before 31st October 2015, the exhibitor will be refunded the stand / space cost after deduction of a nominal administration charge borne by the conference secretariat.



Sponsorship Benefits

2nd Energy Management Conference & Exhibition 2015

6 - 8 December 2015, GICC, Gulf Hotel, Kingdom of Bahrain



Benefits	Diamond BD 20,000 or US\$ 53,500	Platinum BD 7,000 or US\$ 18,600	Gold BD 5,000 or US\$ 13,500	Conference Dinner BD 4,500 or US\$ 12,000	Silver BD 4,000 or US\$ 10,700
Company name and logo of appropriate sizes will be published in all the conference publicity materials.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Entitled for free exhibition stand space with stand fittings at the exhibition hall.	<input checked="" type="checkbox"/> 32 Sq.M	<input checked="" type="checkbox"/> 18 Sq.M	<input checked="" type="checkbox"/> 12 Sq.M	<input checked="" type="checkbox"/> 6 Sq.M	<input checked="" type="checkbox"/> 6 Sq.M
Delegates from the sponsoring company may attend the conference with full package free of charge.	<input checked="" type="checkbox"/> 6 Delegates	<input checked="" type="checkbox"/> 4 Delegates	<input checked="" type="checkbox"/> 3 Delegates	<input checked="" type="checkbox"/> 2 Delegates	<input checked="" type="checkbox"/> 2 Delegates
Publicity materials can be included in the conference pack.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Company name and logo will be published in the conference website which shall be linked to the Sponsor's website.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Advertisement shall be provided in the Conference Guide free of cost.	<input checked="" type="checkbox"/> 2 Full Pages	<input checked="" type="checkbox"/> 1 Full Page	<input checked="" type="checkbox"/> 1 Full Page	<input checked="" type="checkbox"/> Half Page	<input checked="" type="checkbox"/> Half Page
Company will be honored with a Plaque by the Conference Patron at the Opening Ceremony.	<input checked="" type="checkbox"/> 1st	<input checked="" type="checkbox"/> 2nd	<input checked="" type="checkbox"/> 3rd	<input checked="" type="checkbox"/> 4th	<input checked="" type="checkbox"/> 5th
Executive Officers will be treated as VIPs during the opening ceremony.	<input checked="" type="checkbox"/> 4 Nos	<input checked="" type="checkbox"/> 3 Nos	<input checked="" type="checkbox"/> 2 Nos	<input checked="" type="checkbox"/> 1 Nos	<input checked="" type="checkbox"/> 1 Nos
Company logo will be displayed in the conference hall along with the conference banner in appropriate size.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Company logo will be displayed in the pre-function lobby in appropriate size.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Company name, logo and profile will be published in the conference proceedings.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



Sponsorship Form

2nd Energy Management Conference & Exhibition 2015

6 - 8 December 2015, GICC, Gulf Hotel, Kingdom of Bahrain

To Co-sponsor the Conference & Exhibition

Kindly send the completed form by fax to +973 17 827475 addressed to the attention of
The Conference Secretariat or via Email: bseng@batelco.com.bh

<input type="checkbox"/>	Diamond Sponsor	BD 20,000	USD 53,500
<input type="checkbox"/>	Platinum Sponsor	BD 7,000	USD 18,600
<input type="checkbox"/>	Gold Sponsor	BD 5,000	USD 13,500
<input type="checkbox"/>	Conference Dinner	BD 4,500	USD 12,000
<input type="checkbox"/>	Silver Sponsor	BD 4,000	USD 10,700
<input type="checkbox"/>	Luncheon	BD 4,500	USD 12,000
<input type="checkbox"/>	Publication	BD 3,500	USD 9,300

Company Name:

Contact Person:

Title:

Mailing Address:

City:

Country:

Postal Code:

Telephone:

Fax:

Email:

Signature:

Date:

Company Seal

☐ Banker's draft/ Cheque payable to The Bahrain Society of Engineers

☐ By Bank Transfer -

A/c Name - Bahrain Society of Engineers
IBAN A/C - BH47-NBOB-0000-0099-0659-91
Bank Name - National Bank of Bahrain, Manama Main Branch
Swift Code - NBOBBHBM

Sponsorship Coordinator

Bahrain Society of Engineers
P.O. Box 835, Manama, Kingdom of Bahrain
Tel: +973 1781 0727 Fax: +973 17827475
Email: sumam@mohandis.org or
bseng@batelco.com.bh



Conference Venue & Accommodation

The conference and exhibition will be held at the Gulf Hotel, Kingdom of Bahrain. The Gulf Hotel is a five star facility and a landmark in Manama, just 10 minutes away from the Bahrain International Airport and 5 minutes from City Centre. The Gulf Hotel offers 366 well-appointed rooms of gracious style, uncompromising efficiency and thoughtful technology. The Bahrain Conference & Exhibition Centre offers exhibition, meeting and pre-function areas with state of the art facilities. The hotel houses many of Bahrain's leading restaurants.

Please mention "2nd Energy Management Conference 2015" during reservation to get the special rates or please use the following link for reservation www.gulfhotehbahrain.com

A block booking of rooms at the Gulf Hotel has been made for the participants during the conference period. Following are the special rates. Please specify the conference name to get the special rate.

Conference Room Rates

Details	BHD	US\$
Superior single room	60	160
Deluxe single room	70	185
Deluxe double/twin room	75	200
Luxury single room	75	200
Luxury double/twin room	80	215
Grand Deluxe single room	80	215
Grand Deluxe double/twin room	85	226
Platinum single room	100	265
Platinum double/ twin room	110	290

The above room rates are on a per room per night basis exclusive of breakfast. The above room rates are subject to 15% Service Charge and 5% Government Levy. Airport pickup will be charged extra by the hotel.

Please visit our website: www.energymanagement.bh

Entry Visa Information

For a short-term visa, please visit Website

<https://www.evisa.gov.bh/>

Should you need any assistance in obtaining your visa please contact the conference secretariat:

Mr. Vivek, Bahrain Society of Engineers,
Tel: +973 1781 0733 Fax: +973 17827475 Email: vivek@mohandis.org





About Bahrain

Bahrain, an archipelago of 33 islands, is rich in history ancient civilizations and is situated in the Arabian Gulf, off the east coast of Saudi Arabia. The country offers a fascinating blend of Eastern and Western cultures. The capital Manama is a quite modern cosmopolitan city, which boasts world class restaurants, shopping centers, and tourist attractions. The climate is hot in summer and mild in winter. From November to April the weather is very pleasant, with temperatures ranging from 15 to 24 degree centigrade. Arabic is the official language, but English is widely used by most businesses.



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