

There can be no doubt that at the forefront of the gains in energy efficiency is the dramatic improvement in the sustainability in buildings, both commercial and residential. This is the primary role of CIBSE. Most of us resident in the UAE can point to notable successes in buildings designed by CIBSE members but you don't have to walk far to find innumerable dismal failures in neighboring buildings particularly those of the design and build variety thrown up in haste to capitalize on the most recent real estate boom. Some are beyond redemption. However the growth in CIBSE membership in this region shows a pleasing change of attitude in the market and the future will be more efficient and brighter if this trend continues. This is an urgent priority if a truly sustainable environment is to be had. I have taken the liberty of producing the foreword to the IEA's Energy Efficiency Market Report 2015 that focuses on this essential need for our planet.

“Mobilizing energy efficiency is an urgent priority. To transition to the sustainable energy system of the future, we need to decouple economic growth from greenhouse gas (GHG) emissions. Energy Efficiency is the most important “arrow in the quiver” to achieve this. For its part, the International Energy Agency (IEA) is pursuing a number of strategies to improve energy efficiency both among its member governments and with partner countries. The Energy Efficiency Market Report builds awareness and understanding about market activity, its drivers and impacts. The ongoing, steady improvement in energy efficiency over the past four decades has been one of the most pronounced and significant changes to the global energy system, yet its impacts go largely unnoticed. Per capita energy consumption in IEA countries has dropped to levels not seen since the 1980s yet income per capita is at its highest level and access to energy services is continually expanding. This is why energy efficiency is so important. It is improving prosperity with a domestic, clean “source” of energy.

Energy efficiency investments across the IEA since 1990 avoided USD 5.7 trillion of energy expenditure. But the benefits of improving energy efficiency extend well beyond financial savings, relating also to improved energy security, higher productivity for businesses and reduced greenhouse gas emissions.

Approximately 40% of the emissions reductions required by 2050 to limit global temperature increase to less than 2 degrees centigrade would potentially come from energy efficiency. In an era that is becoming increasingly framed by the rise of fast-developing countries such as the People's Republic of China and India, their efforts on energy efficiency will have a significant impact on the evolution of the global energy landscape. It is in these countries where energy efficiency markets may have the most promise and greatest importance. With significant unmet energy demand in the developing world, energy efficiency markets offer the opportunity to fundamentally alter the trajectory of energy consumption growth. Many developing countries as well as industrialized economies are looking to energy efficiency to reap the multiple benefits that efficiency can provide, including improved air quality, better access to and improved reliability of their electricity systems, and overall greater prosperity for their citizens.

As this report describes, the breadth, scale and effect of the energy efficiency market is sizeable but it is still only a start; we need more investment, but also more political will and leadership at all levels to grow this market. The potential is there, the benefits are ready to be realized, and the imperative to act is clear; energy efficiency is poised to be a key component of global inclusive growth along the transition to a sustainable energy system.”

Fatih Birol

Executive Director

International Energy Agency

The full edition is available from their website
<http://www.iea.org/publications/freepublications/publication/MediumTermEnergyefficiencyMarketReport2015.pdf>

INCREASE IN MEMBERSHIP IN THE REGION.

There has been a significant increase in CIBSE membership in our region since the UAE Chapter commenced their activities. It would be nice to say that was directly due to these activities but like many things it is much more complex than that. However there is no doubt that our seminars are raising awareness of CIBSE and several of our seminars have been well received.

WOMEN IN CIBSE

In keeping with the aims of best engineering practice in a modern society and with the intention of being all inclusive we will have a Women in Building Services Engineering Network much along the lines of the Young Engineers Network that has proven to be very effective in promoting our profession. We are particularly keen to hear from women engineers based here in the UAE who are interested in helping form the group. Please contact chewpieng.ryan@arup.com

MEMBERSHIP PRESENTATION

“Reid Donovan UAE Group Technical Group Member and Regional MEP Director of Hyder Consulting presented to the final year Heriot Watt University Architectural/Building Services Students the CIBSE formal presentation, “what it means to be a Building Services Engineer”.

He followed with a ‘hands on’ session showing live projects and explaining the stages of the design process from ‘Concept’ through to ‘Construction’ process and what information is essential in the documentation, reports, drawings and specifications.

Further presentations to the first year students are planned along with further in depth clinics to be arranged with the final year’s students.

TECHNICAL SEMINAR

The next technical seminar will be at The NOVOTEL, Al Barsha on 11 Nov, 6-8 pm. It has easy access and parking as well. Presented by Jim Sebastian of ECOVAL, a local specialist supplier of the well know Solahart hot water heater amongst other products. The major topics will be”

- Solar- Over heating & Drain back technology plus types of Collectors and why/how they can be used for various applications (FP, ET, Polypropylene for Pools)
- Heat pumps @ 60C, W2W and A2W
- heat pumps @ 120C on the condenser side and 57C on the evaporator side
- How digital water temperature control systems can be used to reduce ring main losses.

At the conclusion of the presentation, Reid Donovan of Hyder Consulting will wrap up with local examples of different systems used on his projects.

IT'S NOT ALL ABOUT LIGHT LEVELS

Daniel Hodgson Design Director of ACDC, along with the Society of Light and Lighting, offered a convincing argument for not just lighting a space but how, by using optics, colour temperature, colour rendering and luminaries, the whole context of the lit environment can be changed.

It comes as no surprise to building engineers that lighting demands are increasing as developers look for ways and means to make their projects more exciting and consequently more profitable. All very well but lighting is not a sustainable use unless it is used effectively and efficiently.

Dan focused on Residential, Hospitality and Architectural lighting and demonstrated that it's not all about the numbers; it's about layering the type of lighting whether that is a mix of downlight and indirect light such as cove lighting or wall lights. The presentation highlighted the different ways of layering light and then showed a few images of actual installed projects

Despite issues with location and parking the seminar was well attended and, as usual for the Society of Light and lighting, very hospitable.

UAE GROUP NEW COMMITTEE

Chair ChewPieng Ryan

Vice Chair Raef Hammoudeh

Hon Secretary Dr Hasim Altan

Membership Champion Hassan Ali Younes

Technical Officers

Reid Donovan

Issam Hammad

Industry Liaison Officers

Barrie Harmsworth (Newsletter)

Chris Ackers (Suppliers)

Azmi Aboul-Hoda (Local Authority)

Education Liaison Officer Imran Shaikh

Hon member Carl McKenzie (immediate past chair)

Specialist Interest Groups

YEN Elie El Choufani

SLL Chris Ackers

WiBSE network Farah Naz (TBC)

We still have vacancies for Social Secretary, Events Officer and Treasurer and look forward to more applicants who are prepared to put the same effort into our Group as our new committee.

OUTGOING COMMITTEE

As many of you are aware our Group has been emerging over the past couple of years to be an effective network. Several of our members have made a distinguished contribution for which we offer our sincere thanks.

The first is Carl McKenzie from AECOM whose tireless efforts knew no bounds and was already to perform whatever tasks were necessary

The Second is Denny John Daniel from AMBB who fearlessly took on the task of our Social Secretary to organize the first annual dinner that was a resounding success.

AWARDS

Hassan Younes the UAE Group Education Liaison Officer and Technical Director of Griffin Consultants recently received an award from the Association of Energy Engineers in the U.S.



In recognition and appreciation for the outstanding contributions to the energy profession and to his community, the Association of Energy Engineers (AEE) has named Hassan Younes, Consultants Liaison Officer at CIBSE Regional Chapter, as the Young Energy Professional of the Year 2015 for the Middle East Region. The internationally recognized AEE awards are highly regarded within the energy and sustainability fields. They celebrate achievements of those who exemplify the very best in the field of energy. Younes accepted the award during the Annual AEE Awards Banquet on September 29 which was held as part of the World Energy Engineering Congress (WEEC) held in Orlando, Florida. The WEEC is regarded as one of the most important international energy events for end-users and professionals in the energy world. The conference runs a large, multi-track agenda featuring seminars about the most promising new technologies, covering facility energy efficiency and management, renewable and alternative energy, integrated building automation, energy management tools, and more. Established in

1977, the AEE is a non-profit professional society of over 16,000 members in 89 countries dedicated to furthering education in energy and management.

ANNUAL DINNER AND GROUP LICENCE

The Annual Dinner for 2015 has been put off to the beginning of next year. Perhaps not the most auspicious move however the reasons are plausible, we think! Our private group license is nearly complete. The wheels have turned ever so slow but we are nearly there thanks to the sterling efforts of our Chair, ChewPieng Ryan. Having a license opens all sorts of windows of opportunity including having proper control of our funding. Also we envisage that we may have at least a part time staff that can assist in organizing this major event. In addition we will be having a visit from our President so the idea is to make it a celebration of the formal recognition of the UAE Group as well as hopefully a sponsored event. Plainly we will keep you in the picture so that you can make your bookings early. We expect it will be in Thursday 21st April 2016. The President, Nick Mead and CEO, Stephen Matthew will be attending and we are negotiating an entertaining key note speaker.

YEN TECHNICAL SEMINAR

The Young Engineers Network organizes seminars that are both instructive and informative. These are highly suitable for young engineers wanting to expand their engineering development. The next seminar will follow that trend and a separate flyer will be published but briefly it will be presented Duncan McChlery a trainer of over 15 years' experience in Building Management Systems and works for the event sponsor Schneider Electric. It will be held in Schneider Electric's office and will start at 6.30 pm on the 4th Nov. There will be an opportunity to interact with the demonstration BMS, so don't miss it.