

CIBSE UAE Newsletter No 6

I have unashamedly copied this from the IEA website. There is much more and it is all interesting reading. CIBSE remains in the forefront of energy conservation and sustainability in the built environment and these passages highlight the importance of CIBSE members in this urgent and compelling task.

“Energy Technology Perspectives 2015 - Mobilizing Innovation to Accelerate Climate Action

Energy technology innovation is central to meeting climate mitigation goals while also supporting economic and energy security objectives. Ultimately, deploying proven, cost-effective technologies is what will make the energy system transformation possible. Continued dependence on fossil fuels and recent trends such as unexpected energy market fluctuations reinforce the role of governments, individually and collectively, to stimulate targeted action to ensure that resources are optimally aligned to accelerate progress. Establishing policy and market frameworks that support innovation and build investor confidence over the long term is a first-order task to deliver

Among energy end uses, heating and cooling systems offer substantial potential for decarbonisation that so far has been largely untapped. Today, heating and cooling in buildings and industry accounts for approximately 40% of final energy consumption – a larger share than transportation (27%). With 70% of heating and cooling demand relying on fossil energy sources, these end uses are estimated to have been responsible for 30% of global carbon dioxide (CO₂) emissions in 2012. Broad application of energy efficiency and switching to low-carbon final energy carriers (including decarbonised electricity) can push the fossil share to below 50% by 2050 with renewables (including renewable electricity) covering more than 40% of heating and cooling needs. Direct and indirect CO₂ emissions linked to heating and cooling would fall by more than one-third by 2050. Decarbonising electricity supply and increasing electricity end-use efficiency remain.”

For those who are not familiar with the IEA here is a very brief history.

Founded in 1974, the IEA was initially designed to help countries co-ordinate a collective response to major disruptions in the supply of oil such as the crisis of 1973/4. An autonomous organization, the IEA examines the full spectrum of energy issues and advocates policies that will enhance the reliability, affordability and sustainability of energy in its 29 member’s countries and beyond.

COP 21

“The Paris Agreement is nothing less than a historic milestone for the global energy sector. It will speed up the transformation of the energy sector by accelerating investments in cleaner technologies and energy efficiency”

Possibly very true but what is to be done with the world as we know it today? Currently the Dubai Municipality is preparing a system to monitor and classify existing buildings, as are many other cities and

regions. But the question remains “how will this be carried, where are the engineers and technologists to carry out the necessary audits, checks and make recommendations?”

The CIBSE Commissioning guides lead the world in providing the framework to ensure that buildings that are designed to be sustainable actually do perform in the manner as to what should be expected. However over the years, the set points are altered, essential maintenance is not carried out in a professional manner, and much of this work is done by one or other of the lowest price facility management companies using virtually unskilled labour with nothing more than a carrier bag containing a screw driver, pliers and a hammer.

CIBSE’s role in providing highly skilled and professional engineers for the world’s urgent need to reduce energy waste cannot be underestimated. But we need to do a lot more to let the world know we are here. This is where your local chapter comes in, close to the ground, a date base of influential decision makers and the ability to get in where others can’t, that is what we are all about.

ANNUAL DINNER AND GROUP LICENCE

The ongoing saga of our license continues and continues to grey the hair of our Chairperson ChewPieng Ryan. We believe that it is close to being finalized and we have faith in the system, after all this is the season of faith and goodwill to all men. Irrespective, our plans for the inaugural Annual Dinner remain afoot. It is still on for the 21st April and we are expecting the President of CIBSE to be present alongside a number of distinguished guest and prominent personalities in our profession. We will have Saeed Alabbar the Chairman of the Emirates Green Building Council as the keynote speaker. Saeed is a dynamic young promoter of Green Energy and Sustainability as well as a highly entertaining speaker. Our venue will be the fabulous Fairmount Palm in Jumeriah and we look forward to you booking your tables, particularly the better known manufacturers and consultants. Gary McKeown has stepped into the breach as Social Secretary and is already planning a night not to be forgotten.

SOCIETY OF LIGHT AND LIGHTING

Light and lighting are one of the main components in giving our lives quality along with its more utilitarian aspects. Chris Ackers, our Committee’s Society of Light man in Dubai, invites members to join. Any CIBSE member can join SLL for free and get the benefit of all the latest Lighting guides in PDF format for free. The New LG7 was released in the last quarter of 2015 and is available from www.sll.org

EVENTS

Our events are planned to provide not just a networking platform but an opportunity to fulfill the requirements of CPD. Although not formally certified as a CPD event the content is usually technical enough to meet that role. It is in your interest to attend these events most of which are highly entertaining.

Ecoval stimulated the seventy odd guests at their presentation at the Novatel in Barsha on the 11th November. Solar hot water and heat pumps were the topics and they covered comparisons between direct solar and PV panels, drain back and fully flooded systems, a comparison of different

types of collectors, hot water and gas fired heat pump solutions, special high temperature heat pumps and digital mixing valves. All that and a fine supper as well. This set the bar even a little bit higher for future events

Held in an Art Gallery, Zumtobel went in a different direction to promote passion for engineering and design. This was a combined event with Association of Professional Interior Designers although CIBSE members seemed to outnumber the others by a factor of at least two. Often forgotten is the role of building services to provide not just a comfortable environment but also a “cool” one. The art gallery reminded us of the need to keep the art pieces in a protected environment but also to provide a lighting system that set the mood and showed off the pieces in their best “light”

Our next event will be Data Centre Dynamics. Organized by Colin McNally it has been deferred until next February but it is likely to be very fascinating window into a specialized field.

MEMBERSHIP

In January end, CIBSE HQ are leaping into the unknown and sending out the membership Secretary Carilyn Clements along with Nick Everrit (is that so?) to conduct membership seminars and surgeries in both Dubai and Abu Dhabi. It highlights the importance of our region to CIBSE and we are pleased that such a move is being made to encourage more membership in this region. AECOM will be hosting CIBSE in their Abu Dhabi office, and already they have a high level of interest with 30+ staff already signed up to attend

YEN,

Imran Sheik and Elie El Choufani, our two YEN Committee members’ risked life and limb to attend the YEN Hong Kong Conference. Below is a brief summary of what they saw and did. It is quite remarkable that they visited some of the most notorious gambling venues in the world and spent most of their time in the plant rooms!

YEN Hong Kong Conference – YEN conference in Hong Kong truly had global representation with representatives from UK, Ireland, New Zealand, Australia, UAE and Hong Kong. It was very interesting to share our industry knowledge and learn about the MEP industry in their respective countries.

Conference included several interesting technical visits like

- ICC tower (7th tallest building in the world) – Cooling Capacity 14000 TR
- EMSD District Cooling Plant – Cooling Capacity 40,000 TR
- Venetian hotel and resort in Macau - Cooling Capacity 52000 TR (Second largest single cooling plant room in Asia)
- Studio City Hotel and Resort in Macau – Cooling Capacity 18000 TR

Please follow the link below to download the presentations created by us on the last day of Hong Kong Conference for your reference.

Download link

<http://we.tl/26cXG098go>



YEN MEMBERS STUDYING THE SUSTAINABILITY OF XMAS DINNERS

WOMEN ENGINEERS IN CIBSE

I will have to be careful here I have a turn of phrase that from time to time has lead me into dangerous waters with women. To avoid any shallow reefs I will reproduce exactly what was sent to me.

WIBSE UAE

WIBSE UAE has been set up from winter of 2015. The WiBSE network aims to support and encourage women joining, working, staying and progressing in the building services industry. WIBSE UAE already had very two successful events in Dubai.

The WIBSE VISION

To inspire the next generation and create the support network that will enable more women to join, stay and progress within our industry and Institution.

Women in Building Services Engineering (WIBSE) was established in 2012 in UK, as a platform to support, celebrate and inspire next generation of women engineers. WiBSE UK is a formal CIBSE

network with a micro site (www.cibse.org/wibse), a Twitter account (@CIBSEWomen with over 1000 followers and counting), and a LinkedIn group (circa 850 members). WIBSE works with other organizations and provides access to the wide range of support and information that already exists but not always accessible, generate more resource specific to the industry, and encourage more connections between CIBSE members, and the wider construction industry engaged in championing gender diversity.

Events are all inclusive and will be based around topics that affect women, progression or the gender imbalance in the industry. WIBSE events will provide a forum to meet, network and share experiences with inspirational people.

The UAE WIBSE will aim to run a minimum of four events a year with a focus on gathering the members for networking. There will also be additional scope for joint events with affiliated groups such as Women in Architecture, Women in FM, Arup Connect Women and with CIBSE regional groups etc.

Aims

- Increase and retain the number of women in the Building Services Industry.
- Improve life for those women already working in the sector by providing advice, encouragement, support, mentoring and training.
- Address the gender imbalance issues.
- Provide networking events for members.

WIBSE Events 2015

- 17th November, at 7:00pm at the Change Initiative- Meet up
- 9th December- "Where passion for engineering and design come together"

2016 WIBSE Event 2016

- 26th January, Topic: Blended Leadership, Speaker Rana Askoul in collaboration with Arup Women connect/
- April 2016 TBC
- August 2016 TBC
- Dec 2016 TBC

Membership

- Membership is free and you don't have to be a CIBSE member.

- Men as well as women are welcome to join.

WIBSE Links

- WIBSE Main Page: <http://www.cibse.org/wibse-women-in-building-services-engineering/about-wibse>
- If you want to know more please email: UAE@cibse.org
- Join our LinkedIn group and stay updated.