

CIBSE UAE Newsletter No.7 April 2016

As February 2016 smashed records to become the warmest seasonally adjusted month in more than a century of records and Dubai had its wettest day for many a year causing flooding and probably many millions of dollars of damage it reminds us that perhaps man made globally warming is for real. And, again, there is no doubt that global carbon dioxide levels continue to rise as at an unprecedented rate.

Whether all of this is entirely due to anthropomorphic activities is still hotly debated but what is not open to debate is the need for sustainable energy use. Despite the recent drop in oil prices and the even more drastic drop in coal prices there is still a strong need and demand for renewable energy.

But it is energy usage that is clearly in the ball park of Building Services engineers. Unseen and unnoticed almost is the amount of energy used in buildings. Generally it is estimated that nearly fifty percent of all generated power is used to either cool, warm, light or provide other services in our built environment.

Most likely nearly all these services have been designed and installed by engineers either qualified or unqualified the latter in the majority. And, the overall result to date by conservative estimates is that up to fifty percent of the energy consumed is wasted. Hardly a ringing endorsement for the industry.

Of course massive improvements have been made in the current new stock of buildings mainly due to the insistence by developers and regulators that qualified professionals be responsible for the implementation of building services. But the old stock of buildings is a nightmare. Leaky, poorly maintained, dingy, no longer fit for purpose are just a few of the epithets leveled at a large majority of these. In the UAE many are connected to District Cooling plants that are still underutilized and tariffs are on a slab basis that leads to abuse of the air conditioning systems.

CIBSE members are fortunate to be in a learned body with a knowledge portal that is leading the way. CIBSE Guides F, H and M along with Technical Manuals and the Knowledge Series address many of the issues involved in poor build services performances. It is worth noting that both Dubai Municipality and Estidama include the CIBSE Commissioning Manual in their Sustainable Energy codes. Use your CIBSE Membership to be in the forefront of sustainable energy knowledge.

License to be a Legal Entity

The ongoing saga continues. We have been verbally advised by the Dubai Associations Center that the process is complete and we are now just waiting for the final documents. It is quite frustrating as many of our plans are focused on having a permanent secretariat and I admire ChewPieng Ryan our Chair for her patience and fortitude. I couldn't do it without blowing a safety valve.

Inaugural Annual Dinner

By now I guess you are all getting your suits cleaned and pressed for the dinner on the 21st. You will have received your invitations and it promises to be a gala event with Saeed Alabbar Chairman of EGBC the guest speaker. Saeed is an entertaining character with a wide range of experiences particularly in the government circles. We will also have the CIBSE President Nick Mead and CEO Stephen Matthews along with a host of other VIP'S and of course your industrious committee. See you there.

If you are interested in attending, you can find further details and a booking form at www.cibse.org/uae

Note: Due to circumstances beyond CIBSE's control the venue for the CIBSE UAE Dinner will now be held at The Westin Dubai, Mina Seyahi, Jumeirah Beach Rd.

CIBSE UK Membership Visits to Dubai & Abu Dhabi

Leaving behind the grey and wet London, Carilyn Burman, Director of Membership and Nick Everitt, International & Regions coordinator visited Dubai and Abu Dhabi in January to further promote membership and registration in the region and build links with local companies. CIBSE's international members currently make up approx. 30% of the total membership figures with the United Arab Emirates contributing the 5th greatest membership figures for an international country after Hong Kong, Ireland, Australia and China.

It was a tough assignment as the below picture clearly indicates:



Nick is almost in the back ground as some committee members like to feature very prominently particularly the grey haired old guy that resembles very closely the editor of this newsletter.

Carilyn and Nick visited 8 companies and held an open briefing at the Change Initiative in Dubai to help individuals understand the routes to membership as well as gain registration with the Engineering Council at the IEng and CEng level. Many were keen to gain registration alongside CIBSE membership and although many held qualifications that were not accredited they are still likely to be able to apply and gain registration by having their qualifications assessed.

They were also pleased to be able to visit 2 universities, Herriot Watt where they accredited the BSc (Hons) Architectural Engineering course which meets the requirements in part for CEng registration and Amity University where they met with senior representatives.

At Amity University, Carilyn and Nick along with Education liaison, Imran Shaikh discussed course accreditation from UK Engineering Council via CIBSE. The university will establish a student group to promote CIBSE activities and encourage attendances at YEN Technical Events.



HWUD AE-Industry Advisory Panel

The CIBSE Committee continue to provide support to the Heriot-Watt AE-IAP work with providing expert sessions to their final year students under the module “Sustainable & Intelligent Buildings”. The first session was by Ghaith Tibi, Sustainability Consultant from Arup, who delivered a presentation on Estidama Pearl Building Rating System. The second session, Energy Modelling for Design and Operation of Buildings, was presented by Hassan Younes, Technical Director at Griffin Consultants. The third session, Energy Optimization in Existing Buildings, which was presented by Azmi S. Aboul-Hoda, Managing Director at EMergy LLC. These sessions are tailored by Dr. Kirk Shanks, Director of Studies, who commented that “it was great for students to see how and what they are studying fits into being a professional in industry”.

Technical Sub Group

In a landmark decision the UAE Group has established this group led by our Technical Officers Reid Donovan and Issam Hammad. With a plethora of regulations in this region along with a paucity of technical information, the importance of this group cannot be under stated.

The members of the group kindly agreed to be photographed for this auspicious occasion:



The Technical Sub Group aims for the following objectives:

- To be familiar with the technical groups that operate within CIBSE and to disseminate to the UAE members an overview of the activities undertaken by these groups and to highlight any areas that are particularly relevant to the UAE.
- To execute an annual review of design codes used in the UAE and to draw to the committee's attention any areas that provide an opportunity for more involvement of existing and forthcoming CIBSE guidelines and codes.
- To identify any technical areas that would warrant the generation by CIBSE of UAE or Middle specific technical literature.
- To convene technical groups to investigate specific issues that has been previously agreed by the Committee.
- To organize the technical judging of any competitions that are organized by the Events Officer.

WiBSE (Women in Building Services)

We try and include an update on one or the other sub groups in the newsletter. This time it is WiBSE. This is a highly active group led by Farah Naz. They intend 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. In Spring WiBSE members joined the Arup Connect Women event on Blended Leadership, which was well attended by 40+ industry professionals. WiBSE extends a big thank you to Arup Connect Women.

WiBSE will work with Clean Energy Business Council (CEBC) to promote events on their network, members and platform. Farah attended the WICE Leadership series, Role of Woman in the Solar Industry on 2nd March 2016.

On the 15th March, WiBSE joined an initial meeting of a large group of women in the construction industry representing their various networking groups from Atkins, Faith & Gould, WSP Parsons Brinckerhoff, Emrill, Association of Architects, Arup, Aecom and MEED to discuss opportunities for collaboration.



WiBSE aims to hold a second Role Model to celebrate Woman in Engineering Day in May. Date to be confirmed and circulated soon.

SLL

We have been in touch with SLL UK and Acoulite, as a sustaining member of SLL, are contributing to the latest guide LG14 which is about Lighting Controls and will be available in the next few months. Companies in the GCC can become Sustaining Members, this provides you with a full set of lighting guides, contribution to guides in draft, access to the learning portal and support from the SLL the cost is 750.00 GBP/annum.

SLL are one of the sponsors for a two day LuxLive Middle East lighting event to be held on 13-14 April 2016 at ADNEC Abu Dhabi. Members who wish to attend should register online at <http://luxlive.ae>

CIBSE ASHRAE Collaboration in the UAE

ChewPieng Ryan and Hassan Ali Younes met with Dr Ahmed Alaa Eldin Mohamed, ASHRAE Falcon Chapter Regional Vice Chair – Region At Large – Grassroots Government Affairs on Wednesday 24th February 2016 to discuss potential collaboration between our UAE chapters.

The co-operation between the two local organizations will be an extension of the work done between the UK-USA main organizations to date and will focus around sharing meeting programmes and publicizing events with the local memberships where the theme/topics are aligned.

HOT OFF THE PRESS!!!! – see flyer attached to register

CIBSE Technical Symposium 2016

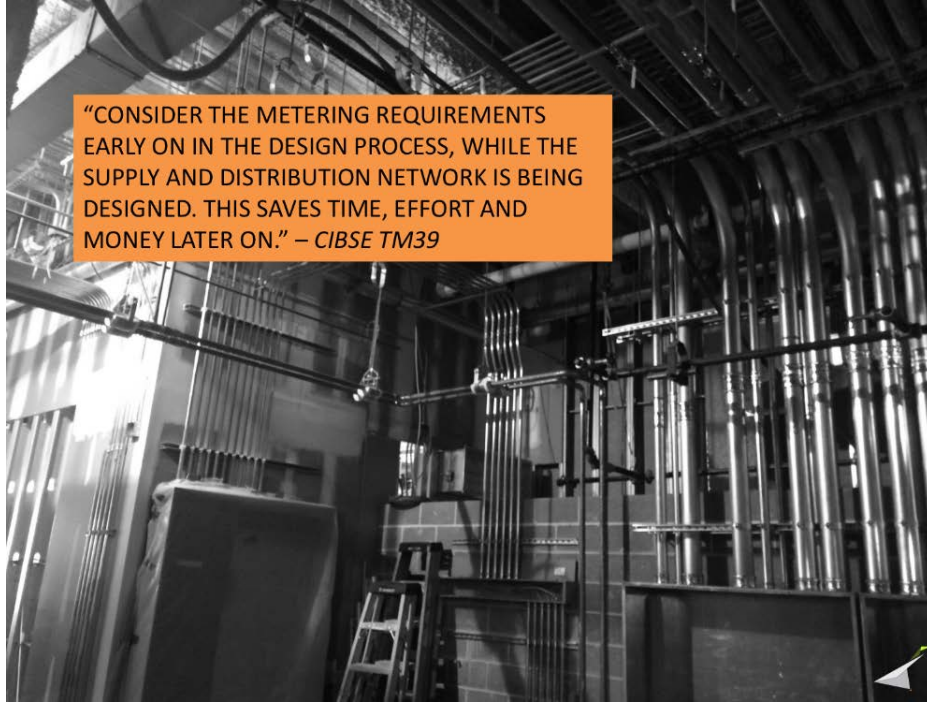
Edinburgh – Dubai Live Link!

Integration for whole life building performance

Thursday 14th April 2016, 11:30am – 4:30pm (approx.)

Architectural Engineering Studio (CR 01),
Heriot Watt University Dubai Campus,
International Academic City, Dubai
Tel: 04-435-8700

And finally, I think this says it all, the photo sent in by our committee member Hassan Younes from his presentation at Retrofit Tech UAE 2016:



“CONSIDER THE METERING REQUIREMENTS EARLY ON IN THE DESIGN PROCESS, WHILE THE SUPPLY AND DISTRIBUTION NETWORK IS BEING DESIGNED. THIS SAVES TIME, EFFORT AND MONEY LATER ON.” – CIBSE TM39

And properly used saves a bundle of energy.

Editor: Barrie Harmsworth, Green Energy Solutions, Dubai

CIBSE UAE Committee

www.cibse.org/uae