

CHALLENGES OF GLOBAL MEGA PROJECTS

Sustainability & Green Technology For Project Excellence

2-DAY
2011
INTERNATIONAL
CONSTRUCTION
CONFERENCE

11-12 October 2011

Grand Seasons Hotel, Kuala Lumpur, Malaysia

CCD &
CPD Points
by
CIDB Malaysia &
Professional Boards
Pending
Approval

- Showcase an excellent effective & efficient concept & design development management of construction processes, construction engineering & application of green technology & methodology in sustainable mega projects for human habitat.
- To promote, impart and enhance knowledge & practices related to sustainability & green technology with the aim to improve efficiency, productivity & competitiveness.

In conjunction with the 2011 International Construction Conference, a Construction, Trade, Education, Training & Publication Exhibition will be organised during the conference.

Participants will be able to gather information on the prevailing construction related educational courses & construction continuing professional development training programmes by some local universities & colleges. Books & publications on construction will be on display & available for purchase at special rates to conference participants.



Enquiries :
Conference Secretariat, Miss Audrey Chen
Tel: +603 2284 5754 & 2713 8854 Email: achen@ciob.org.my





Day 1 Tuesday, 11 October 2011

- 08:10 Registration & Breakfast
- 09:00 **WELCOME ADDRESS** By UiTM Malaysia
- 09:10 **OPENING ADDRESS** By CIOB Malaysia
- 09:20 **KEYNOTE ADDRESS & OFFICIAL OPENING** by *Y.Bhg. Datuk Ir. Hamzah Hasan, Chairman of Construction Industry Development Board Malaysia*

SESSION 1

09:30 **PAPER I - CASE STUDIES IN SUSTAINABILITY FOR MAJOR CONSTRUCTION PROJECTS : THE VERITAS EXPERIENCE**
The presentation will focus on best practises for sustainable design from an architect's perspective. while the two projects being featured in detail are not "mega", the principals behind the design process may be scaleable to any size.

By MR. DAVID MIZAN HASHIM
*Architect, Bachelor Of Science In Art And Design, Masters In Architecture
Principal and Chief Executive Officer VERITAS Design Group*

David Mizan Hashim is the founding Principal of VERITAS Design Group, one of the leading architectural and design practices in South-East Asia, having established the firm in 1987 soon after his graduation. Based in Kuala Lumpur, Malaysia, VERITAS has won numerous local and international accolades for its planning, architectural, interior design and landscape projects. Led by David's initiatives, VERITAS has become Malaysia's leading exporter of professional design services, with projects throughout Asia and beyond, and offices in several domestic and international locations. Between 2007 and 2011, VERITAS has been listed among the top 10 design firms in South-east Asia.

10:00 Q & A SESSION

11:00 **PAPER II - BAHRAIN WORLD TRADE CENTRE. USE OF WIND POWER IN MEGA TOWERS**
Twin 240m office towers supporting between them three 29m diameter wind turbines. We believe this is the largest completed example of wind power generation in a high-rise tower globally. As the project is now operational, the first figures are coming back on the actual performance of the turbines in operation. This will be the first time that such a project's success can be confirmed. There are many theoretical towers of this type, but few have been built and (as far as we are aware) none tested in this way.

By MR. IAN MILNE
*ARB (Architectural Registration Board of the UK) BA Hons Dip Arch. Design
Director at Atkins*

- LEAF Award 2006 (best use of technology)
- EDIE Award 2007 (environmental excellence)
- Building Design Magazine 2008 (building of the year)
- BEX 2008 (sustainability award)
- Construction Week 2008 (tower project of the year)
- NOVA 2009 (innovation award)
- PALME 2010 (best use of external lighting)

12:00 Q & A SESSION

12:30 **GREEN TECHNOLOGY & SUSTAINABLE TECHNICAL PAPER PRESENTATION & Q & A SESSION (SPONSOR PRESENTATION)**

13:00 Lunch

SESSION 2

14:00 **PAPER III - CARBON ACTION 2050 AND SUSTAINABILITY – FOR CORPORATE AND MEGA PROJECT EXCELLENCE**
The paper will focus upon corporate effectiveness and efficiency across design, construction, and building operation. It will target what can be done to improve for those organisations involved in megaprojects and the industry at large. Unlock hidden value, increase income, and reduce expenditure.

By MR. KYE GBANGBOLA
*MBA FCIQB MCIH CEnv Dip DEA ACIarb MCIAT
Sustainability, Construction, and Asset Strategy Consultant
Director Total eco Management Limited*

Sustainability is a moving target understanding the dynamics of society and the business environment and triple bottom line principles for decision making serves three purposes it builds trust from stakeholders, drives innovation, and serves long term resilience by understanding corporate material impacts.

We as organisations, a sector, and the government need the data to evidence performance on law. The CIOB fully appreciates the task ahead and are leading by example by reporting to the GRI Standard.

The paper is designed to motivate understand the links between organisational activity and the world around them, whilst improving organisational performance and reputation. Come and develop the confidence to report and become an organisation that leads by example. Learn about:-

- Sustainability Context
- CIOB Carbon Action 2050
- Mega Project 2012: a) Design b) Construction
- Retrofit
- Leadership by Example
- Corporate Sustainability Reporting
- How Much does it Cost
- 'A sustainable business is a good business'

Kye Gbangbola is a Fellow of the Chartered Institute of Building and Founder of Total eco Management (TeM); a Chartered Building Consultancy determined to help organisations change; become sustainable, and improve shareholder value using common, comparable, and rankable standards. TeM are a GRI Certified Training Partner providing accredited GRI masterclasses, and one of the world's first GRI 3.1 Grade A Sustainability Reporters.

Kye worked on CIOB Carbon Action 2050; a fantastic online resource launched in June 2011, to reduce industry carbon, it includes actions for; design, construction, building operation, retrofit, Education and training and corporate leadership.

Kye has an MBA and is further a chartered professional in the fields of Housing, Architectural Design, Construction, Arbitration, and Environmental Sustainability. He has led £100M pa development new build programmes, and set £250M major works strategies in Central London for mass retrofit for energy efficiency and 'quality of life' improvements.

Kye's leadership roles include service as a Trustee of a National Health Care Charity, School Governor, a respected member of the All Party Parliamentary Climate Change Group, and a judge to the Olympic Delivery Authority Outstanding Achievement Awards.

15:00 Q & A SESSION

15:30 **GREEN TECHNOLOGY & SUSTAINABLE TECHNICAL PAPER PRESENTATION & Q & A SESSION (SPONSOR PRESENTATION)**

16:00 Tea & Coffee Break with Light Refreshment

16:20 **PAPER IV - PLANNING, OPERATION AND CONSTRUCTION OF THE WEST ISLAND LINE, MASS TRANSIT RAILWAY CORPORATION, HONG KONG**

By MR. RAYMOND WONG
Raymond Wong is serving as a lecturer at the Division of Building Science and Technology at the City University. Mr Wong is a member of the HKIE and the Chartered Institute of Building.

The mass transit railway Island Line is serving the southern shore of the Hong Kong Island since 1980 except the western portion of the Island due to a number of planning reasons. In view of this, the MTR started the planning and construction of the remaining line in 2007 and 2009 accordingly.

The total length of the line is about 3 km running through a densely populated urban zone. It consists of 3 new underground stations. Besides, the

Since he joined City University in 1992, Mr Wong has undertaken a series of intensive studies of some world-renowned construction projects. These include some major infrastructure projects such as the new airport and the associated core projects, major transportation projects, as well as many mega-size building projects.

alignment also cuts through hilly ground. In order to serve the local users in a more convenient way, very complicated pedestrian linking subway is provided in the station design.

Stringent environmental control and means to mitigate construction nuisances are introduced in the projects. In this respect, the planning, logistic support and technique employed to construct are the key issues to concern in the carrying out of all works. This presentation tries to highlight all these special features for this mega project.

17:20 Q & A SESSION

17:50 **END OF DAY ONE CONFERENCE**

Day 2 Wednesday, 12 October 2011

08:10 Registration & Breakfast

SESSION 3

09:00 **PAPER V - MOVING INTO THE CITY: SUSTAINABLE URBAN OFFICES**

Peter Fisher's presentation will focus on a series of recent office buildings within dense urban location in the UK designed by Bennetts Associates - (i) The New Street Square development in the City of London's financial district, comprising 5 office buildings totaling 100,000 m², (ii) Hampshire County Council's headquarters in Winchester, which is a radical refurbishment of a 1960s concrete-framed office building, (iii) Camden Borough Council's headquarters in London, which is part of the wider Kings Cross regeneration programme. All three projects not only achieve extremely low CO₂ emissions consistent with the UK's long term targets but also aim for architectural quality at the highest level.

10:00 Q & A

10:30 **PAPER VI - ENSURING VALUE FOR MONEY IN LARGE PUBLIC PROJECTS - AN INDOOR RECREATION CENTRE IN HONG KONG**

The speaker will talk about VM studies he has conducted for the Indoor Recreation Centre in Tsing Yi, which links well with the theme of Sustainability, Green Technology for the Human Habitat.

This project proposes the construction of an indoor recreation centre in Tsing Yi. The project site is located at Chung Mei Road in Area 4 and covers an area of about 6610 m². The client department is Leisure and Cultural Services Department. The Architectural Services Department is the works agent. The project team aim to achieve the highest possible rating of the Hong Kong BEAM and the project has adopted a wide range of green technologies. The project is in outline sketch design stage when VM studies were conducted.

11:30 Q & A SESSION

12:00 **GREEN TECHNOLOGY & SUSTAINABLE TECHNICAL PAPER PRESENTATION & Q & A SESSION (SPONSOR PRESENTATION)**

12:30 Lunch

SESSION 4

13:15 **PAPER VII - PROJECT CONCEPT, DESIGN AND IMPLEMENTATION, AND HOW TO MAKE MEGA DEVELOPMENTS REALLY SUSTAINABLE – WITH SPECIFIC REFERENCE TO OMAN AND SAUDI ARABIA**

- Delivery of a mega project in Oman (The Wave Muscat)
- Planning a mega project in Saudi Arabia (King Abdullah Economic City)
- Overcoming construction, project management and governmental challenges in order to provide the optimum delivery strategy
- Creating a master plan to maximise value and to generate a "real place"
- Providing a framework to ensure lasting and real sustainability
- How to identify and execute best practice

14:15 Q & A SESSION

14:45 **PAPER VIII – NEW LCC TERMINAL MALAYSIA**

The new low cost carrier terminal (LCCT), situated next to KLIA airport, is targeting to become a highly sustainable development with certification under LEED (Gold) and the Green Building Index (GBI). IEN Consultants has been engaged by the main contractor, UEM – Bina Puri J.V. to achieve the desired green building design targets under this design and build contract for the Main Terminal Building as a Satellite building.

15:45 Q & A SESSION

16:15 Tea & Coffee Break with Light Refreshment

16:30 **PAPER IX - MASS TRANSIT: SOLUTIONS FOR SUSTAINABLE DEVELOPMENT ENCOURAGING URBAN GROWTH AND URBAN RENEWAL**

Mass Transit has been impacting urban development for well over 100 years. In NYC, Mass transit with its 468 stations has spurred development and renewal to shape one of the greatest cities in the world. NYC's commitment to sustainable design has established the benchmark for continuing to implement visionary solutions for the next 100 years. This presentation discusses how emerging, contemporary design philosophies can be applied to a system that is over 100 years old, as well as to any new system beginning to impact the growth and expansion of neighborhoods, cities and urban renewal while incorporating sustainable design ideals.

Objectives:

- To outline Mass Transit's role in NYC's Urban Growth
- To identify Mass Transit's impact on NYC's Urban Renewal process; and
- To discuss the implications of Mass Transit for a Sustainable Urban Development

17:30 Q & A SESSION

18:00 **END OF DAY TWO CONFERENCE**

In the recent 10 years, Mr Wong has extended his study towards the urban development of some major cities of China, in particular Guangzhou and Shanghai, with focus on the urban planning, infrastructure development and revitalization projects in these cities.

Mr Wong is an active researcher in the areas of large-scale construction projects, tall building construction, industrialised construction systems, long-span structures, transportation projects and other areas related to urban studies.

By MR. PETER FISHER, RIBA

Architect, Associate Director, Bennetts Associates Architects

By PROFESSOR GEOFFREY QIPING SHEN, PhD, CVS, VMF (List A)

Geoffrey has a proven track record of quality research in construction management, supported by information and communication technologies. He has lead a large number of research projects with total funding over HK\$20 million including five Competitive Earmarked Research Grants from the Research Grants Council in a row since 2002/03, and has authored more than 300 publications including refereed papers in academic and professional journals, scholarly books, and research monographs. He has been invited to give keynote presentations in a number of international conferences, has chaired/co-chaired a number of major international conferences, and has served the scientific committee of many international conferences.

Professionally Geoffrey is the President and a Fellow of the Hong Kong Institute of Value Management (HKIVM) and a Fellow of the Chartered Institute of Building. As a certified Value Management Facilitator (List A) recognised by the Hong Kong SAR Government and a Certified Value Specialist (CVS) approved by SAVE International, he has professionally facilitated more than 40 partnering and value management workshops for many large client organisations in both the public and private sectors in Hong Kong.

By MR. NICHOLAS SMITH

Urban Designer – MA, MRTPI, FCIQB

Nick helps organisations to maximise their effectiveness; seize opportunities; achieve objectives; and look after costs. Nick works with entrepreneurs and business leaders to promote projects and concepts that make sound sense, and which can be seen to be socially responsible.

Nick has lived in Oman since 2006 and was CEO of The Wave, Muscat, a mega project, until 2009. Nick also has recent experience of working in Saudi Arabia. From 1983 to 2005, Nick worked for a number of UK and USA based developers, building residential and mixed-use schemes. Nick's professional interests are in creating successful places, the value of design, and learning from best practice. Nick is also an expert witness in his specialist field, and freelance writer.

By MR. GREGERS REIMANN

Associate Director & Engineer of IEN Consultants Sdn Bhd

By MS. PORIE SAIKIA-EAPEN, AIA, FCIQB,

Vice President, CH2MHILL, (Former Chief Architect, MTA-NYC Transit)

**Registration Form
International Construction Conference 2011
Sustainability & Green Technology For Project Excellence (11 - 12 October)**

ICC2011 Two-day Conference (11 & 12 October 2011) Category Of Conference Participants & Fees Payable	Early Bird (On/Before 24 Sep 2011) Or Group (>=3) Registration Fee	Standard Registration Fee
Members Of CIOB, Supporting Organisation, Conference Co-organiser, Or Endorsing Organisations	RM700.00	RM780.00
General Public	RM800.00	RM880.00
CIOB Malaysia Council Members (2011-2013), Or Full-time Academic Students Pursuing Approved Construction Related Courses (Please Attach Letter Of Verification From College/University Authority Concerned)	RM400.00	RM500.00

Hotel Accommodation At Grand Seasons Hotel, Kuala Lumpur With Special Rates For Seminar Participants	Room Type
Participants Wishing To Reserve Rooms From The Seasons Hotel, Kuala Lumpur Are Requested To Contact Miss Norafzan or Mr John Yeo Of Sales Department Of The Hotel At 603 2695 5227 or 603 2695 5225 or email to afzan@grand-seasons.com / johnyeo@grandseasons.com	Superior Single / Twin with Breakfast (per night)
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Please note that registration will only be considered when **full payment** with all necessary documents are received by CIOB Malaysia within the stipulated period on a **"first come first served"** basis. Cancellation of registration is not permitted. However, written request for substitution of similar category of participant will be considered favourably (terms & conditions apply). If warranted by circumstances beyond its control, the organiser reserves the right to the necessary changes or adjustments accordingly. In the event of any cancellation of the seminar, the organiser's liability is limited to a full refund of the fees received only.