

Asia Aerospace City



Penang Sentral



Setia City Mall



Nuclear Power Plant



INTERNATIONAL CONSTRUCTION CONFERENCE 2014

CHALLENGES OF GLOBAL MEGA PROJECTS :

Sustainability - Building A Better Tomorrow

Wednesday 17 September 2014

Putra World Trade Centre, Kuala Lumpur, Malaysia

To promote, impart and enhance knowledge and practices related to sustainability with the aim to improve efficiency, productivity and competitiveness.

Conference Highlights

- Conference Papers On Mega Projects
- Technical Papers
- Mini Exhibition On Courses In Construction & The Built Environment
- Post-Conference Project Visit

CCD & CPD Points Pending Approval

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CHALLENGES OF GLOBAL MEGA PROJECTS

Sustainability - Building A Better Tomorrow

Wednesday, 17 September 2014 - Morning Session

8.15 am **Registration & Exhibition**

8.50 am **Welcome Address by Sr. Ong Bok Siong, President, CIOB Malaysia**

9.00 am **Keynote Address by YBhg. Dato' Sri Ir. Dr. Judin Abdul Karim, Chief Executive, CIDB Malaysia**

9.10 am **Paper 1 : Malaysia's Competitiveness In The Construction Sector – New Challenges For Sustainability by Prof. Roger Flanagan** *Professor of Construction Management, School of Construction Management and Engineering, University of Reading*



Roger Flanagan is Professor of Construction Management, School of Construction Management and Engineering, University of Reading, UK. He is a Visiting Professor at the University of Hong Kong, Tsinghua University, Universiti Teknologi Malaysia, University of New South Wales, Australia, and Chongqing University. Previously Visiting Professor in USA, Sweden, Norway, Kenya, South Africa Turkey and Croatia.

He is Past President of the Chartered Institute of Building. His industrial experience includes being a member of the Board of Directors of numerous companies, including Skanska AB.

He has experience of working in UK, Middle East, USA, Canada, Sweden, Finland, Norway, Australia, New Zealand, South Africa, and has undertaken studies for the development of the construction industry in the UK, China, Canada, South Korea, Sweden, Norway, Libya, and Estonia.

Malaysia's construction industry challenge for both contractors and consultants is to create the conditions for rapid and sustained productivity growth that will shift competitive advantage from low-cost labour and inefficient work practices, to more efficient process that exploit technology to improve performance, and leverage the knowledge capital and innovation of individuals and enterprises. A two-speed model is operating with the big enterprises flourishing and becoming world class, and the micro, small and medium sized enterprises being left behind. What are the new challenges facing Malaysian enterprises in the global construction business? Are low price and profitability the only determinants?

10.10 am **Q & A**

10.30 am **Tea Break & Refreshment**

10.45 am **Paper 2 : Penang Sentral : Transportation Mega-Project In The NCER by Ar. David Mizan Hashim** *Architect, Bachelor of Science in Art and Design; Masters in Architecture, Principal and Chief Executive Officer, VERITAS Design Group*



David holds a Bachelor Degree from the Massachusetts Institute of Technology, a Master in Architecture from the Harvard Graduate School of Design and the award holder of the Aga Khan Travel Fellowship for research in Islamic architecture. He is corporate member of the Malaysian Institute of Architects and the Malaysian Institute of Interior Design; associate member of the American Institute of Architects and the Boston Society of Architects.

David is active and eminent in the local and international architectural arena. He was Principal-in-Charge of numerous award-winning architecture and interior design projects locally and abroad; and has written and presented numerous papers and lectures at conferences and forums.

David is the founding Director and currently the President of VERITAS Design Group with offices in Six (6) countries.

Penang will soon have its own version of KL Sentral. The Penang Sentral project, developed by MRCB, is now rising next to the ferry terminal in Butterworth. This mega transportation project will integrate bus and taxi services combined with a park-and-ride facility and links to the upgraded ferry and train stations. Next to this complex transportation infrastructure will rise a million sq ft retail mall several high-rise commercial, residential and hotel towers. With a total of 6 million sq ft built-up, Penang Sentral is destined to become one of the NCER's largest development and investment projects.

11.45 am **Q & A**

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Wednesday, 17 September 2014 - Afternoon Session

12.05 pm **Technical Presentation 1 by Ir. Pierre A. Favre, SIKA**



Ir. Pierre A. Favre, *M.Sc. Civil Engineering*, graduated from the Swiss Federal Institute of Technology and Colorado State University (USA) in early 1990's. Prior to his current position of Head of Marketing and Product Manager – Sealing & Bonding of Sika Kimia Sdn. Bhd., Pierre was in charge of the Technical Service Unit of the Malaysian branch of this multinational company. He was also a fellow researcher at the Forest Research Institute Malaysia (FRIM, Kepong) and research engineer for a private testing laboratory in Oregon (USA), where he was a registered Professional Engineer. Pierre is a Swiss citizen with more than 15 years of working experience in the construction industry in three continents. His current interests are in understanding the dynamics of the Malaysian building sector and introducing new techniques to improve the productivity and quality of workmanship. Pierre has a keen interest in sustainability and timber structures.

12.35 pm **Presentation 2 on Nuclear Supply Chain by Sheriffah Noor Khamseah Al-Idid Binti Dato' Syed Ahmad Iddid**



Ms Sheriffah Noor Khamseah Al-Idid binti Dato' Syed Ahmad Iddid, a physics graduate of the Imperial College of Science and Technology, University of London had served as Special Officer to the Science Advisor to Malaysia's 4th Prime Minister.

She was instrumental in assisting the Science Advisor in developing strategies and plans for promoting high-technology businesses and high-tech financing for Malaysia.

Ms Sheriffah was Chairman for preparation of the Report on enhancing Venture Capital Financing in Malaysia and was strategist and author for the Report on Enhancing Business Angel Financing for Malaysia. Several recommendations from these reports were adopted and incorporated by Malaysia's Central Bank, Bank Negara Malaysia in its 10-year Financial Sector Masterplan.

12.45 pm Lunch Break

1.45 pm **Paper 3 : Critical Factors And Challenges In The Designing And Construction Of Nuclear Power Plants – The Westinghouse's Experience by Mr. Gary T Urquhart, Vice President of Business & Project Development, Westinghouse Electric Company**



Mr. Urquhart is currently Vice President of Business & Project Development for new power plants in the Asia region for Westinghouse Electric Company. In this role, he is responsible for all business development activities within the Asia region leading to new reactor sales with additional responsibilities for the operations of Westinghouse Electric India Pvt. Ltd. He is located in the Westinghouse Headquarters in Pittsburgh, Pa. (USA). Mr. Urquhart started his career in the nuclear power industry nearly 40 years ago with Babcock & Wilcox and moved to Westinghouse in 2002. He has diverse engineering experience in nuclear primary component design and manufacturing, quality assurance, remote inspection and service equipment design, field services and nuclear fuel. Mr. Urquhart has a BS in Mechanical Engineering from the State University of New York at Buffalo and an MBA from Lynchburg (Virginia) College. He is a licensed registered engineer in Virginia (USA).

The Westinghouse's AP1000® plant are used as reference for the presentation, where various critical factors and challenges that contributed to unparalleled level of design, construction and licensing certainty in new AP1000 Projects will be discussed. Westinghouse and its partners are currently constructing eight reactor is expected to start commercial operation in 2015. In addition, agreements have recently been signed to construct three AP1000 reactors in the UK and one AP1000 reactor in Bulgaria.

2.45 pm Q & A

3.05 pm **Paper 4 : A Sufficient Tomorrow by Dr. Tan Loke Mun** *Director, ArchiCentre Sdn Bhd, Adjunct Professor of Architecture, University Putra Malaysia*



Dr. Tan Loke Mun, is principal of DrTanLM Architect and Director of ArchiCentre Sdn Bhd. The architectural design studio operates out of Kuala Lumpur, Malaysia where they are involved in a large variety of high profile work. He is Past President of the Malaysian Institute of Architects (PAM), Past Chairman of the LAM-PAM Green Building and Sustainability Committee, member of the Board of Architects Malaysia, and also a member of the Board of Engineers Malaysia.

Dr. Tan's architecture embraces and interprets regionalism in a modern social context. Often working from the basis of typologies, he has managed to interpret and translate simple regional metaphors into his increasingly green architecture. Dr. Tan's works are widely published and he has received numerous Architectural Awards for his works.

Increasingly the green transformation is revealing that all we have ever built and created will have to change. Buildings and cities have to come alive as eco-structures that can adapt, adjust and thrive in their environment. They can no longer just stand as structures for shelter or as iconic monuments that suck energy and spit out pollutants.

They must be capable of being tuned to perform and adapt, to recycle waste and water, to generate energy and even to mine for resources.

4.05 pm Q & A

CHALLENGES OF GLOBAL MEGA PROJECTS

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Wednesday, 17 September 2014 - Afternoon Session

4.25 pm **Paper 5 : Asia Aerospace City by Mr. Ian Milne** *Design Director for the Atkins Hong Kong studio*



He has been responsible for the design of various high profile projects for Atkins, ranging from mixed use twin towers in Zhuhai (China) to an office and hotel tower in Western China, both under construction. Prior to joining Atkins, Ian was a Design Director at RMJM and KPF, which collectively give him over 20 years' experience. At these earlier practices his designs including the completed China Merchants Bank HQ in the Pudong of Shanghai and the Amsterdam World Trade centre.

Atkins has won a contract as lead consultant and master planner to develop the Asia Aerospace City (AAC) in Subang, Malaysia into a world class facility for the aerospace industry.

The development will be designed as a smart city with cutting edge research and development facilities, integrated office suites, academic facilities, a convention centre and a hotel. Spread over a 30-acre site the campus is located near Subang Airport in Kuala Lumpur.

5.25 pm Q & A

5.45 pm Tea & Coffee Break

6.00 pm End Of Conference

Thursday, 18 September 2014 - Post Conference Project Visit (Optional) To Pantai 2 Sewage Treatment Plant (P2STP)

Programme:

09.00 am Assembly, Registration & Depart from PWTC to P2STP

10.00 am Arrival at P2STP

10.10 am P2STP Overview Briefing at Public Information Centre

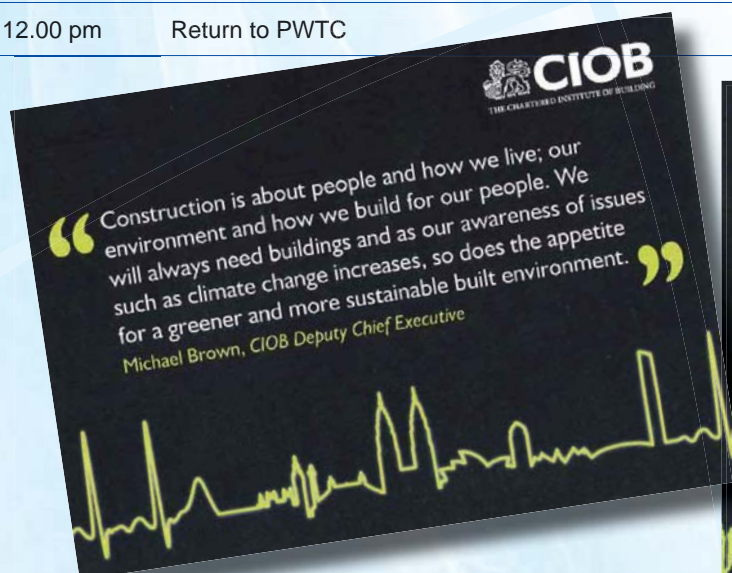
10.20 am P2STP Progress Briefing

10.40 am Q & A Session

10.50 am Light Refreshment

11.00 am Visit to TTF & P2STP Project Viewing Deck (Construction Area)

12.00 pm Return to PWTC



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Registration Form

1-Day International Construction Conference 2014 : - Sustainability-Building A Better Tomorrow (17 September 2014)

ICC2014 1-Day Conference (17 Sept 2014) Category Of Conference Participants & Fees Payable	Early Bird (On/Before 2 Sept 2014) Or Group (≥3) Registration Fee	Standard Registration Fee	Post-conference Project Visit (18 Sept 2014) (Optional)
CIOB members, members of Conference Co-Organiser, Supporting Organisation and Endorsing Organisations	RM380.00	RM480.00	Fees
General Public / Government Agencies / Statutory Bodies	RM480.00	RM580.00	Conference Participant RM80.00
Full-time Academic Students Pursuing Approved Construction Related Courses (Please Attach Letter Of Verification From College / University Authority Concerned)	-	RM380.00	Non Conference Participant RM120.00

Name	Designation	Members Of CIOB and Endorsing Organisations			Post-Conference Project Visit 18 Sept 2014 (Optional)	Amount
		I / C Number	Membership No.	Name of Organisation		
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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.