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Building a sustainable city in the current economic climate: trends, opportunities and challenges

Sustainable City Development

22-23 FEB 2010 | UAE
Le Meridien Abu Dhabi

Dubai International Financial Centre Authority
Masdar City
KEO International
Mayor's Office - Jeddah

Fraunhofer
LAVA
Faithful & Gould
Aldar

X-architects
Energy Management Services, Int.
Meinhardt Façade Technology
Orascom Construction Industries

Waitakere Ecocity, New Zealand
CH2M HILL International
Pure Middle East for Environmental Solutions

promotion partners



Day 1 - Monday, 22 Feb 2010

8:00 Registration and Coffee

9:00 Chairman's Welcome and Remarks

9:10 Economic Outlook in GCC and MENA Region

- Macroeconomic outlook
- Policy measures & Key Outcomes
- Lessons for the region post-crisis

Aathira Prasad, Economist

Dubai International Financial Centre Authority

9:40 Abu Dhabi 2030 – Revitalizing the City with Focus on Sustainability, Land Use Policies, Investment Framework, Cultural Uniqueness

10:10 Building a Sustainable City: Emerging Trends, Opportunities and Challenges

- What will future cities look like?
- Government policies and initiatives driving sustainable city planning
- What are the new directions in sustainable architecture?
- Impact of climate change policies on city development

10:40 Discussion followed by Coffee

11:10 The Challenges and Opportunities in Building the World's First Carbon Neutral, Zero Waste, Clean Technology Cluster

- The challenges of building the city sustainability
- Analyzing Masdar City development plan on how it fits into Masdar initiative
- Accessing the design features of this project, materials and technologies for sustainable construction

*Sanad Humaid Ahmed, Senior Project Manager
Masdar City*

11:40 Developing Green Solution for the Energy City Qatar Development

- Integration of Master Development, 3rd Party Developers, Designers, and Builders requirements
- Creation of Project Development Manual
- Sustainability of Energy City Qatar

*Samuel Keehn, Environmental and Sustainability Manager
Energy Management Services, Int.*

12:10 Master Planning a New Community Using Estidama Pearls Principles to Achieve UPC Form E Compliance

*Peter Cottingham, Lead Urban Designer of the Strategy,
Planning and Urban Development Unit
KEO International*

12:40 Discussion followed by Lunch

14:00 Saudi Arabia's Jeddah Masterplan: Latest Development and Project Opportunities

*Eng. Ibrahim Khalil Ismaeel Kutubkhanah
Deputy Mayor for Constructions & Projects
Mayor's Office - Jeddah*

14:30 Sustainable design on Future Hotels and Masdar City

*Alexander Rieck, Head of Corporate Projects, Fraunhofer
Director of LAVA*

15:00 Evaluating Sustainability within the Built Environment

- What green building ratings systems are and how they differ to regulations?
- Factors to consider when selecting an appropriate green building rating system
- Why certification should be pursued?

*Abdel Khan, Sustainability Consultant
Faithful & Gould*

15:30 Discussion followed by Afternoon Tea

16:00 Case Study on Al Raha Beach Development: Reviewing How to Balance Priorities on Large Scale Developments

- How the precincts will be complimentary while offering their own distinct personality and appeal
- Balancing the needs of quality of life and ease of transport accessibility
- Reviewing elements of the project to see what is the right mix and balance

*George A. Kenich, Infrastructure Manager
Aldar*

16:30 An Update on Sustainability Case Studies:

a) Al Naseem Project, Al Ain- Estidama Pilot Project

b) Xeritown – a Sustainable City in Dubai Land

- Analysing the architectural practices, high ecological quality and energy conservation, and socio economic sustainability
- The challenges we are facing and how we are overcoming them

*Ahmed Al-Ali Executive Chairman
X-architects*

17:00 Financing & Investing in a Sustainable City Project

- Criteria for financing & project feasibility
- Challenges & Risk management

17:30 End of Day One

Day 2 - Tuesday, 23 Feb 2010

9:00 Chairman's Remarks

9:05 Building Tall Building Facades with an Environmentally Responsible Approach

- The embodied energy associated with building envelopes and habitation
- Local climatic conditions
- Thermal transfer through facades: solar radiation, conduction and air infiltration
- Advanced façade systems: double skin, solar collectors and dynamic facades
- Material usage and efficiencies in the design of facades
- The process of designing Cost effective facades with improved environmental performance

*Robert Stephens, Regional Director – Middle East
Meinhardt Façade Technology*

9:35 Waitakere-New Zealand's First Eco City

- Combining growth & sustainability for an eco city
- Twin streams project
- Future expansion plans

*Councillor Judy Lawley
Waitakere Ecocity, New Zealand*

- 10:05 **Regional Challenges to Green the Power Sector in Egypt**
- Highlights on the El Kuraymat Solar Power Plant - Egypt
 - An important solution to save and produce energy
 - The challenges and long term plan
- Tamer Shafik, Deputy Commercial Director
Orascom Construction Industries
- 10:35 Discussion followed by Coffee
- 11:10 **Sustainable Road Transportation & Infrastructure**
- 11:40 **Global Water Resource Sustainability Dynamics & Challenges**
- Current water situation worldwide
 - Focus on MENA region: challenges & investment required
 - Sustainability of solutions so far
 - Future ahead
- Jay Witherspoon, Technology Director
CH2M HILL International
- 12:10 **Improving Air Quality in Your Sustainable Project**
- Yahya Al Rayyes, CEO
Pure Middle East for Environmental Solutions
- 12:40 Final Discussion followed by Closing Lunch
- 14:00 End of Conference

You will network with

- Director Generals • MDs / Directors / CEOs / CFOs / VPs
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 - Construction and engineering firm
- Banking and financial industry including investment bank
- Institutional investors • Leisure and hospitalities industries
 - Transport industry • Real Estate Developers
 - Legal Firms – Environmental, Contract Lawyers
 - Environmental Consultants

“Sustainability must remain high on the agenda for developers during the global downturn, or they could find themselves lagging behind once markets begin to improve, says Limitless, the Dubai-based global master developer.”
~ April 2009 MENAFN press.

There has been a lot of emphasis in MENA about sustainable development. Policies are being implemented on energy consumption, green buildings, renewable energy production, green transportation systems, waste recycling and water management. Governments are beginning to realize the impact of global warming and rapid urbanization on the environment. The urgency for cities to become fully sustainable is extremely important to ensure that the effects of climate change are reduced. What are the constraints and opportunities for designing cities today?

Abu Dhabi's Masdar City has created an economic city that was truly sustainable. When completed, it will be the world's first zero-carbon, zero-waste city, powered entirely by renewable energy sources. What should developers and contractors take away from this initiative? There are also a number of sustainable projects embarked on its green building standards. What are the progresses of these projects and where are the opportunities?

Saudi Green Building Council has been formed to promote sustainability in construction. Some Saudi clients are already requiring green building standards. A total of 31 buildings being built the King Abdullah Financial District near Riyadh are being designed to conform with LEED
~ November 2009 MEED

Abu Dhabi's new building code, regulations that make sustainability compulsory in all buildings and major retro-fits throughout the emirate, come into force on 1 January 2010.
~ November 2009 MEED

The emirate is creating its own green-building rating system through the Estidama initiative. Although its ratings are not compulsory, Estidama is one of several initiatives that are increasing the pressure on developers and contractors. The variety of green building rating systems in the UAE has been the source of some confusion for developers. Will developers, who already achieved the Abu Dhabi building regulations and development codes, sign up to achieve Estidama rating or others? Why certification should be pursued? What green building ratings systems are and how they differ with existing regulations?

Several equipment and building materials manufacturers claim that their product allows a project to obtain additional credits toward its green building rating. What are the factors to consider when selecting an appropriate green building material?

Attend CMT's **Sustainable City Development** conference to find out the sustainable strategies and technologies that can help you maximising ROI and minimising environmental footprint.

Key reasons to attend

- Global climate change policy and regulations driving sustainable city development
- Government initiatives driving sustainable city planning
- Sustainability case studies presentation: **Masdar City, Al Naseem Project -Al Ain, Al Raha Beach development, Xeritown, Energy City, Waitakere-New Zealand's First Eco City Qatar**
- Financing, risk management & investment opportunities for sustainable city
- An overview of the Al-Naseem Project and meeting criteria of Estidama guidelines
- Analyzing Masdar city development plan and how it fits into Masdar initiative – solar energy and carbon capture
- Estidama guideline update: Its policies, planning & the key role construction professionals play
- Analysing the cost-benefits and availability of green materials and technologies
- Learn architectural practices, high ecological quality and energy conservation, and socio economic sustainability
- Reviewing how to balance priorities on large scale developments
- What green building ratings systems are and how they differ to regulations?
- Review the latest water development needs and plans in the MENA region
- Building tall building facades with an environmentally responsible approach

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Sustainable City Development

22-23 FEB 2010 | Abu Dhabi, UAE

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FEES

The full Registration Fee includes cost of all sessions, luncheon, coffee/tea & documentation.

Conference Fee for 1 Person	Conference Fee for 3 or more* (from the same company)
EUR1,095	EUR895 (MIN SAVINGS OF EUR600)

* Terms and conditions apply.

Cancellations, Refunds & Transfers: A full refund will be promptly made for all written cancellations 3 weeks before the meeting. Thereafter, cancellations are not refundable. A substitute may be made at any time.

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Cut-off date: 21-01-2010

Photocopy Registration Form to Preserve Brochure Copy. Feb 2010

CMT'S UPCOMING EVENTS

3rd Global Stainless/ Special Steel Trade SUMMIT

DUBAI | 2-3 Feb 2010

Green Initiatives & its opportunities for the stainless/ special steel industry

Confirmed Speakers:

- JSL Limited (Formerly Jindal Stainless)
- Thomson Creek Metals Company
- CRU Strategies • IKEA • Stencor
- Eti Krom • Marcegaglia SpA
- Nippon Steel & Sumikin Stainless Steel Corporation • Italinor Vietnam
- Ministry of Industry and Minerals (Iraq)
- UAE Contractors Association • Jiuli Group
- DMCC • Franke • Ni-Met Metals & Minerals

2nd Africa CemenTrade

DAKAR, SENEGAL | 3-4 Mar 2010

"Meeting cement demand & investments in Sub-Sahara Africa"

Key Issues

- Global cement market trends & trade flow
- Africa's infrastructure development & housing projects update
- Cement demand, prospect & investment challenges in : North, West, East & South Africa
- Power supply & cost structure in Africa
- Supply chain management challenges
- Alternative fuels & raw materials issues
- Financing options

12th Asia CemenTrade

SINGAPORE | 24-25 Mar 2010

"Will Cement Demand Keep Pace with Economic Recovery?"

Key Highlights:

- Global cement industry landscape - A year after the financial crisis
- Bullish or bear markets: China, India, Pakistan, South East Asia, Oceania
- Emerging trading partners for Asia - Supplying into Africa & Middle East
- Logistics challenges & freight market outlook
- High performance concrete & cementitious options

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