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# MENA Water Resource World

19-20 JAN 2010  
Radisson Blu Hotel  
Dubai Deira Creek

SONEDE (Tunisia)  
ILF Consulting  
Hatch Water  
Public Authority for Electricity & Water (Oman)  
Ministry of Regional Municipalities & Water Resources (Oman)  
CH2M Hill  
Instrata capital  
Black & Veatch  
Electricity & Co-Generation Regulatory Authority (Saudi Arabia)  
Utileco  
CDM  
Holding Company for Water & Wastewater (Egypt)

*Policies, Investments, Technologies & Case Studies  
- Strategies in securing water efficiently & effectively*



*Held under the patronage of His Excellency  
Dr Rashid Ahmad Bin Fahad, Minister,  
Ministry of Environment & Water (UAE)*

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## Day 1 - Tuesday, 19 Jan 2010

8:00 Morning Registration & Coffee

9:00 Chairman's Welcome Remarks & Introduction

### 9:10 Keynote Speech: Water Policies, Opportunities & Challenges in the UAE

H.E. Dr Rashid Ahmad Bin Fahad, Minister  
Ministry of Environment & Water (UAE)

### 9:40 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 R. Witherspoon, BCEE, Technology Director  
CH2M Hill

10:15 Discussion followed by Refreshments

### 10:45 Latest Developments in the Water Sector in Saudi Arabia

- Potential for privatization & investments in the water sector
- Regulatory regimes and their impact on private players
- Setting suitable water tariff mechanisms

Dr Abdullah M. Al Shehri, Vice-Governor for Regulatory Affairs  
Electricity & Co-Generation Regulatory Authority (ECRA)  
Kingdom of Saudi Arabia

### 11:20 Water Investments and Plans in:

- Bahrain
- Qatar

### 12:00 Opportunities & Challenges for Investments in Oman's Water Sector for the Next 5 Years

- Investment frameworks for participating in water projects
- Privatisation drive in Oman's water sector
- How are water tariffs set and determined?

Zaher K. Al-Suleimani, Director of Projects  
Public Authority for Electricity & Water

12:35 Discussion followed by Lunch

### 14:00 Financing Water Projects in the MENA Region

- Balancing the risks & return quotient in water investments
- Strategies to attract funding for water projects
- Potential for Islamic financing in water projects
- Securitisation as a way to raise capital

Patrick Townsend, Executive Director  
Instrata capital

### 14:30 New Advances in Water Reuse Strategies

- Can water scarce areas consider just any source of water including properly treated storm water and wastewater effluent as potential portable water supplies?
- Latest technologies available to reuse water effectively and safely:
  - ultrafiltration and microfiltration for suspended solids and pathogens removal
  - reverse osmosis methods for emerging contaminants of concerns (EOCs), total dissolved solids (TDS) including toxic metals removal
  - advanced oxidation processes (AOPs) for organic carbon modification and ECOC destruction
- Cost-benefit analysis of water reuse vs desalination strategies
- Deciding which treatment process is best depending on applications of water usage (eg. Irrigation quality vs industrial cooling water vs indirect potable reuse)
- Treatment and ultimate disposal of treatment by products and residuals should be considered early in project planning to ensure success of water reuse strategy

Dr Don Thompson, Senior Vice President  
CDM: Camp Dresser & Mckee Inc.

### 15:05 Strategies to Successfully Implement an Integrated Water Resource Management

- Overview of water resource situation
- Water resource consumption
- Managing water balance
- Challenges faced in the water resource sector
- Strategies in water resource management
- Regulation and laws
- Future water resource development

Eng Suleiman Al Obedani, Assistant Director General of  
Water Assessment and Monitoring  
Ministry of Regional Municipalities and Water Resources (Oman)

15:40 Discussion followed by Afternoon Tea

### 16:10 Desalination Developments and its Sustainability as a Viable Water Resource Solution

- Latest technology advances
- Is it a sustainable solution in the long haul for the MENA region?
- Cost Vs effectiveness
- Future direction

Dr. Corrado Sommariva, Managing Director, Middle East  
ILF Consulting Engineers Abu Dhabi

### 16:45 Strategies for Private-Public Partnership Success

- Project delivery model options- alliance, vs EPC vs BOT vs others
- Financing & legal considerations in project delivery
- Case study for success in the MENA region
- Lessons learnt

Dr Hu Fleming, Global Director  
Hatch Water

### 17:20 Optimal Water Harvesting Systems & Storage in the MENA Region

17:50 Discussion followed by End of Day 1

## Day 2 - Wednesday, 20 Jan 2010

9:00 Chairman's Remarks

### 9:05 Water Infrastructure Plans and Developments in Libya

### 9:40 Investment Potential & Challenges in Tunisia's Water Sector

- Overview of current water challenges & situation
  - Strategy to meet the water demand for the future
    - Conventional water mobilization
    - National water desalination program
    - Wastewater treatment, water reuse
  - Investment level required to meet the water demand
  - Financing issues & considerations
  - Potential of private-public ownership investments
- Mohammed Zaara, Directeur du Dessalement et de l'Environnement  
Societe Nationale d'Exploitation and Distribution of Water (SONEDE)

### 10:15 Investments in Algeria's Water Sector

10:50 Discussion followed by Refreshments

11:15 **Strategies to Manage Leakage in Water Distribution Systems Effectively and Efficiently & Wastewater Management Strategies in Egypt**

- Overview of water leakage challenges in Egypt
- Wastewater management strategies in Egypt & investment level required for this sector
- How to manage without disrupting the whole water distribution network system?
- Case study
- Future outlook

Eng. Mamdouh Raslan, Deputy Chairman  
**Holding Company for Water & Wastewater**

11:45 **New Trends in Waste Water Management & Sludge Management**

- How can municipalities & governments maximize their returns with such strategies?
- Case study

Dr Aymn Dahya, P. Eng. CEO  
**UtilEco**

12:15 **Water Reuse & Waste Water Treatment Growth Potential in the MENA Region**

- New technological advances
- Growth potential in the MENA region
- Case study
- Future outlook

Ian D Barrett, Director of Client Services – Middle East  
**Black & Veatch**

12:50 Final Discussion followed by Closing Lunch

14:35 End of Conference

**You will network with**

Key Officials & Executives from

- Water utilities and authorities • Water Boards • Regulators
- Chemical treatment companies • Water service & solution providers, including operators & equipment manufacturers
- Technology companies • Monitoring equipment companies
- Plant designers • Environmental and municipal organizations
  - Real estate developers • Irrigation companies
    - Dam and pipeline construction
    - Infrastructure project management firms
  - EPC contractors • Banks, financiers & investors
  - Bulk water and wastewater management companies

## Focusing on Policies, Investments, Technologies & Case Studies - Strategies in securing water resources efficiently & effectively

*"Saudi Arabia awarded water contracts worth SR9 billion in May 2009 which will help address the water problems of over 5.5 million people who live and work in the city." – May 2009, Arab News*

*"Tripoli is planning a series of new desalination plants and the expansion of existing facilities to increase the country's water production capacity almost tenfold by 2015." – August 2009, MEED*

*"Saudi Arabia require 2.2 million cm/d in extra wastewater capacity, followed by the UAE , which is predicted to need 1.3million cm/d more and Kuwait with 795000 cm/d." – Sept 2009, MEED*

The Middle East North African region is known to be one of the most arid places in the world. The issue of securing and maintaining water supplies often remain a challenge. Coupled with rising demand due to population growth, agricultural use and increasing industrialization and urbanisation, the region is facing a water crisis. (Reuters, Mar 20, 2009) Regulators and municipal bodies in each of countries (Saudi Arabia, UAE, Oman, Egypt, Libya, Tunisia, Algeria, Qatar, Bahrain) needs to review its water needs, policies, plans , investments and strategies to resolve water issues in their countries. What role can private companies and investors play when working with government and municipal bodies to resolve the crisis?

The financial crisis has no doubt influenced decision makers in their choice of investment frameworks in water infrastructure projects and also financing options available. **What are the options and strategies available to ensure the success of private-public partnership in water investments ?**

Technology advances and improvements are constantly required in the water sector, be it in securing or managing water supplies. Some of these options for renewing and managing water supplies have become commonplace in the MENA region. **Desalination** is not new to the region, but the **sustainability of this in the long haul will be a vital issue to look into**. Other options: **wastewater reuse, wastewater treatment , sludge management are also gaining more importance**. It is vital to assess the latest technology advances and growth potential of the solutions in the MENA region.

Another often neglected part in managing water supplies is **leakage management**. Managing pipelines with minimal disruption to the entire network is also important if cost efficiency in water and wastewater management is required. Weigh the strategies available and options to minimize leakage.

Explore these vital issues at **CMT's MENA Water Resource World Conference** on 19-20 January in Dubai.

### Key Reasons to Attend :

- Gain a global perspective on water resource sustainability dynamics & challenges
- Review the latest water policies, development needs and plans in the water sector in: **UAE, Saudi Arabia, Bahrain, Qatar ,Oman, Tunisia, Libya, Algeria**
- Assess optimal financing options for water projects
- Latest in desalination developments and its sustainability potential in the long run
- Managing private-public partnership success in the water sector: case study& lessons learnt
- Latest insight and case study on **leakage management** and water distribution systems in **Egypt**
- Find out how governments and municipalities can maximize their returns with the latest sludge management and waste water treatment strategies
- Overview of water reuse & waste water treatment growth in the MENA region
- Review optimal water harvesting systems & storage solutions
- Network with industry leaders ,regulators, government bodies to exchange useful insights in the water sector in the MENA region

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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)
<b>EUR1,195</b>	<b>EUR1,095</b> <b>(MIN SAVINGS OF EUR300)</b>

\* 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.

## PAYMENT

**By Credit Card** (Visa/Mastercard only) - please request for credit card form

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## CONFERENCE VENUE

CMT has arranged special discounted room rate at AED 750 / AED 800 (Single / Double Standard) + 10% Municipality Tax + 10% Service Charge per room per night inclusive of daily Buffet Breakfast (subject to room and rate availability) for delegates at **Radisson Blu Hotel, Dubai Deira Creek**. Please reserve your room with the hotel directly, providing full credit card number and expiry date to:

Gincy Varghese, Room Reservations Supervisor  
**Radisson Blu Hotel, Dubai Deira Creek**  
 PO Box 476  
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 Tel: 971 4 2057122  
 Fax: 971 4 2234698  
 Email: [reservations.dxbza@radissonblu.com](mailto:reservations.dxbza@radissonblu.com)  
 Cut-off date: 17 December 2009

CMT'S UPCOMING EVENTS

## 3<sup>rd</sup> Global Stainless/ Special Steel Trade SUMMIT

DUBAI | 2-3 Feb 2010

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

- Global stainless & special steel market dynamics & trading patterns
- Raw material outlook & developments : nickel, molybdenum, chrome, scrap
- Country focus sessions : **China, SEA, India, Europe, America, Middle East, Africa**
- Stainless steel tubes , pipes & sheets market
- Trends in green construction and its impact on stainless / special steel consumption
- Assessing impact of oil & gas, petrochemical, desalination projects on stainless/special steel demand

## Sustainable City Development

ABU DHABI | 22-23 Feb 2010

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

- Update on Estidama accredited pilot projects and how they will affect project economics
- Analysis of the cost-benefits and availability of green materials and technologies
- Identifying viable projects in MENA
- Discover the latest financing options
- Learn best practices on building management and apply environmental strategies to enhance sustainability
- Case study from MENA and abroad

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