



UPDATES, STRATEGIES AND TECHNOLOGIES FOR OPTIMIZING STORMWATER, DRAINAGE AND SEWAGE PROJECTS ACROSS ABU DHABI

ADVISORY BOARD

Sameer Daoud

Group Chief Development Officer and Managing Director,
Drake & Scull International

Dr. Babak Bozorgy

Principal Technical Lead & Team Leader
MWH, now part of Stantec

CONFIRMED SPEAKERS

Eng. Rashid Said AlRashedi

Head of Maintenance Section, Abu Dhabi
City Municipality

Dr. Amr A. El-Agroudy

Technical Advisor, Specialized Studies,
Infrastructure
& Municipal Assets Sector,
Abu Dhabi City Municipality

Alan Thompson

Managing Director, Abu Dhabi Sewerage
Services Company

Nigel A Kent

Innovation and Performance Manager,
Public Works Authority (Ashghal)

Kevin Reid

Principal Programme Manager, Greater
London Authority

Eng. Saleh Nuweea Al Minhali

Senior Project Manager, Infrastructure
Maintenance – Abu Dhabi Islands
Infrastructure Development Group
Abu Dhabi Islands,
Abu Dhabi City Municipality

Eng. Amanullah Muhammad Khalil

Chief Engineer, Design review of storm
water drainage project,
Abu Dhabi City Municipality

Dr. Tayeb Yacine

Regional Technical Director,
MWH, now part of Stantec

Eng. Fatma Rashed Saadi

Senior Stormwater Engineer,
Abu Dhabi City Municipality

Eng. Tareq Awadh Bahaisami

Senior Stormwater Engineer,
Abu Dhabi City Municipality

Prof. Herr Claus Schuster

President,
Fachhochschule Südwestfalen

Charbel Diab

Associate Principal –
Water & Environment Sector,
Khatib & Alami

Sameer Daoud

Global Business Leader for Infrastructure
& Water, Arcadis

Dr. Babak Bozorgy

Principal Technical Lead & Team Leader,
MWH, now part of Stantec

Dr. Zorica Todorovic

Associate Director – Infrastructure,
Atkins Global

Andreas Amft

Managing Director,
Enregis

Francois-Xavier Bassetot

Water Market Director
Atkins

Dr. Anna Grichting Solder

Assistant Professor, Dept. of Architecture
and Urban Planning, Qatar University



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CURRENT AND UPCOMING DRAINAGE AND STORMWATER PROJECTS

THE MEGA PROJECT

Disposal of runoff from South Shamkha, Shamkha and North Wathba

- **USD 2.5 billion** over a 15 years timeframe
- **11,500 Ha project** – bigger than the Abu Dhabi Island
- **Design phase**, soon to be tendered to contractors
- **Opportunities for PPP** on the upcoming projects



WATER PONDS IN NEW RECREATIONAL PARKS

Construction of new recreational Parks with water ponds to serve new isolated developments and communities, which is considered as an added value in the upcoming mega project



STORMWATER SYSTEMS

New Stormwater Systems in Abu Dhabi Main Land Areas to better manage emergencies



KEY TOPICS TO BE DISCUSSED:

- USD 2.5billion Abu Dhabi Stormwater Management Plan
- The new Infrastructure Design Approval System (IDAS) and Infrastructure Material Approval System (IMAS) to approve your designs and materials
- Flood analysis and emergency response
- Groundwater and wastewater management strategies
- PPP opportunities and plans in the infrastructure projects in Abu Dhabi
- Update on the Infrastructure Design Approval System (IDAS) & Infrastructure Material Approval System (IMAS)
- Overview of Maintenance Connection System
- New techniques and solutions

SUPPORTING ORGANISATIONS

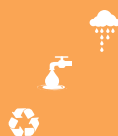


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08:00 **Registration, refreshments and networking** 

08:30 **Chairman's welcome and opening remarks**
Sameer Daoud, Group Chief Development Officer and Managing Director, **Drake & Scull International**

OVERVIEW OF ABU DHABI'S DRAINAGE & STORMWATER NETWORKS MASTERPLAN AND PROJECTS

08:40 **Keynote address:** Overview from Abu Dhabi City Municipality on the projects development and opportunities available

09:00 **Keynote address:** Updates from the Ministry of Infrastructure plans and regulations on the drainage and stormwater networks of buildings

09:10 **Keynote address:** Updates from the Abu Dhabi Sewerage Services Company on the upcoming development in 2017
Alan Thompson, Managing Director, Abu Dhabi Sewerage Services Company

09:20 **Panel Discussion:** Abu Dhabi City Stormwater Master Plan as per Abu Dhabi's vision 2030

- How the stormwater master plan contribute to resolving future challenges?
- What are the timelines and budget of those projects?
- Discussing the project phases and how companies can benefit from it

Panellists:

Dr. Amr A. El-Agroudy, Technical Advisor, Specialized Studies, Infrastructure & Municipal Assets Sector, Abu Dhabi City Municipality
Eng. Amanullah Muhammad Khalil, Chief Engineer, Design review of storm water drainage project, Abu Dhabi City Municipality
Dr. Babak Bozorgy, Principal Technical Lead & Team Leader, MWH, now part of Stantec

10:00 **Morning Coffee and Networking** 

SMART APPLICATIONS ON WATER NETWORKS

10:30 **Decentralized grey water treatment implementations in Europe**

- Overview of technologies
- Reuse for cooling and irrigation
- New modularized treatment system

Prof. Herr Claus Schuster, President, Fachhochschule Südwestfalen

11:00 **Introduction to Innovyze Drainage & Storm Solutions**

- K&A and Innovyze at a glance
- Innovyze water supply/pressurized systems solutions
- Innovyze sewer collection systems solutions

Charbel Diab, Associate Principal - Water & Environment Sector, **Khatib & Alami**

11:30 **Sustainable Drainage: Designing landscapes with TSE and Stormwater**

- Discussing the use of TSE water
- Examining the TSE for District Cooling
- Discussing challenges of water management

Dr. Anna Grichting Solder, Assistant Professor, Dept. of Architecture and Urban Planning, **Qatar University**

12:00 **The idea of sustainable stormwater management solutions**

- Discussing the need for an integrated drainage and stormwater strategy
- Implementing technologies for a better stormwater management
- Understand how to implement those technologies and what are the benefits

Andreas Amft, Managing Director, **Enregis**

12:30 **Mid-day refreshment and networking** 

13:00 **The role of MWH in the Abu Dhabi stormwater drainage project**

- Understand the role and the phases of the project from MWH
- Discuss the key elements that are needed to deliver a successful project
- What are the challenges that can be faced in those projects?

Dr. Babak Bozorgy, Principal Technical Lead & Team Leader, **MWH**, now part of **Stantec**

13:30 **Design, Construction and Maintenance of remote areas with no utility infrastructure**

- Overview of the storm, potable water, TSE & sewage networks
- Examine the mobile plug & play treatment units
- Learn from international case studies

13:50 **Closing comments from the chairman**

14:00 Greeting and Welcoming delegates to Lunch hosted by Aydiner

14:10 **Networking lunch and end of conference day one** 



08:00 **Registration, refreshments and networking**



08:30 **Chairman's Welcome**

Sameer Daoud, Group Chief Development Officer and Managing Director, **Drake & Scull International**

ABU DHABI CITY MUNICIPALITY UPDATES FOR A BETTER FUTURE

08:40 **Overview of the infrastructure support group projects which are related to the stormwater networks**

- Understand the importance of the infrastructure support group
- Examine what are the projects they are working on
- Discuss that challenges and solutions that the team faces in the projects

Eng. Tareq Awadh Bahaisami, Senior Stormwater Engineer, **Abu Dhabi City Municipality**

09:10 **Update on the specification and standards of stormwater manual in the Emirate of Abu Dhabi**

- Learn what are the latest standard specifications and associated documents related to Storm Water Drainage Systems
- Facilitating the requirements for a better approach between different organizations
- Discuss the benefits and the timing of implementation of the updates

Eng. Fatma Rashed Saadi, Senior Stormwater Engineer, **Abu Dhabi City Municipality**

09:40 **Impacts of water treatment prior to discharge to stormwater networks**

- Examining the treatment for discharge to prevent pollution
- Discussing the way to separate blackwater and greywater
- Assessing the latest wastewater treatment technologies



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10:10 **Morning coffee and networking**



EXPLORING PUBLIC-PRIVATE PARTNERSHIP IN THE DRAINAGE AND WATER PROJECTS

10:40 **Examining the Public-Private Partnership in Drainage**

- Understand the role and scope of the private sector once the project is delivered
- Discussing the roles and responsibilities of various stakeholders, robustness of revenue model and operating framework
- International implementation as examples

Francois-Xavier Bassetot, Water Market Director, **Atkins Global**

11:10 **Structuring a successful Public Private Partnership (PPP) to meet Abu Dhabi's infrastructure needs**

- Challenges to comply and needs to support local regulations with detailed guidelines
- International regulations implemented in the PPP projects
- Case study of PPP projects in Abu Dhabi

11:40 **PPP Panel Discussion: Examining the Public-Private Partnership in Drainage**

- What is the role and scope of the private sector once the project is delivered?
- How the roles and responsibilities of various stakeholders, robustness of revenue model and operating framework?
- Discuss International implementation as examples

Panelists

Francois-Xavier Bassetot, Water Market Director, **Atkins Global**

12:30 **Mid-morning refreshment and networking**



OPERATION AND MAINTENANCE STRATEGIES AND SYSTEMS FOR BETTER NETWORKS

13:00 **Organisational requirements of accommodating additional assets in the operation and maintenance of the network**

Nigel A Kent, Innovation and Performance Manager, **Public Works Authority (Ashghal)**

13:30 **Overview on Abu Dhabi Municipality maintenance system (Syanti)**

Eng. Saleh Nuweea Al Minhali, Senior Project Manager, Infrastructure Maintenance – Abu Dhabi Islands Infrastructure Development Group – Abu Dhabi Islands, **Abu Dhabi City Municipality**

14:00 **Panel discussion: O&M strategies to optimize the stormwater networks**

- Discussing how to keep the stormwater network clean and maintained
- How technology helps on monitoring the water flow in the networks?
- What are the benefits of having a good O&M of the networks?
- Explore international projects as examples of successful implementation

Panelists:

Eng. Rashid Said AlRashedi, Head of Maintenance Section, **Abu Dhabi City Municipality**
Nigel A Kent, Innovation and Performance Manager, **Public Works Authority (Ashghal)**

14:30 **Closing comments from the chairman**

14:40 **Networking lunch and end of conference**





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- Pipes – clay pipes/plastic pipes
- Pumps
- Sewage systems
- Water treatment and water storage
- Odor control
- Asset management
- Design and software

WHO WILL YOU MEET?

The Annual Future Drainage and Stormwater Networks Abu Dhabi 2017 will bring together 100+ government officials, consultants and contractors that got awarded the projects and materials and technology providers. Attendees will include the following:

- Project Managers – Drainage
- Floodwater Drainage Engineers
- Drainage and Stormwater Managers
- Civil & Highways Engineers
- Design Engineers
- Utilities Engineers
- Heads of Drainage, Sewage, Infrastructure and Utilities



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Annual Future Drainage and Stormwater Networks Abu Dhabi 2017	Standard Price	Onsite Price
Delegate fees	US\$ 1999	US\$ 2199

A limited number of VIP places are available for qualifying UAE government officials and authorities.

The Conference Fee includes the following:

- Access to all presentations and conference networking breaks
- All food and refreshments during the conference sessions (excludes evening meals and only applies to refreshments served in the dedicated conference networking area)
- Access to international subject matter experts

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Name: _____

Family Name: _____

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Address: _____ PO Box: _____

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ACM conference days, using the Interface+ format, have an earlier start than conventional agendas and conclude with a late lunch. The conference sessions are regularly punctuated

by refreshment and networking breaks to allow for unhurried face-to-face interaction between peers, colleagues and business prospects. The mid-afternoon conclusion of our formal conference agenda allows for government representatives and busy executives to adjourn earlier in the day, having still enjoyed a full and rich program of content. Post-lunch, ACM will offer additional, optional learning and networking opportunities in the shape of workshops, product demonstrations, technology launches, site visits, pre-arranged 1-2-1 business meetings and hosted receptions.

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