



MarketsandMarkets Middle East District Cooling Stakeholders Conclave

4th – 5th December 2019, Dubai, U.A.E

Event Overview

HH Sheikh Mohammed bin Rashid Al Maktoum, Vice-President and Prime Minister of the UAE and Ruler of Dubai has set the strategic direction towards secure and sustainable energy and has guided the Dubai Integrated Energy Strategy 2030 (DIES2030) deployed in 2011. The UAE Vision 2021 National Agenda focuses on improving the quality of air, preserving water resources, increasing the contribution of clean energy and implementing green growth plans.

District cooling is one of the nine strategic pillars in Dubai Supreme Council of Energy's Demand Side Management strategy, towards achieving 30% power savings in the emirate by 2030. The major steps for enhancing district cooling adoption includes planning and educating the top players in real estate firms on the advantages and guiding on the knowledge of technical know-how.

'The Middle East District Cooling Stakeholders Conclave' to be held on **4th - 5th December 2019 in Dubai, U.A.E**, aiming at providing platform to experts from Government bodies, regulatory authorities, real estate firms, special economic zones, hotel owners and operators, free zones from UAE and rest of GCC and solution providers to discuss the innovations, challenges, and future aspects of DC technology.



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Highlights of the conference

- Exploring innovative tools and approaches to optimize system design
- Green Building Sustainable design considerations
- Chilled water energy storage systems
- Panel Discussion: The Government support and guidelines in Middle East countries
- Addressing low delta T Syndrome at Chiller Plant
- Introduction to Artificial Intelligence systems for flow control and energy efficiency

Who Should Attend

CEOs, Managing Directors, Chief Operating Officers, O&M Directors, Project Directors, Chief Planning Officers, Technical Directors, Procurement Heads, and other decision makers from:

- Government Regulatory Bodies
- District Cooling EPC Contractors
- Real Estate Firms & Land Developers
- Consultants
- Hotel Owners & Operators
- District Cooling Projects
- TSE suppliers
- Power Plant Projects
- Utility Companies

Confirmed Advisors & Speakers



Deepthy K B
Regional Director
GBCI, U.A.E



Tarek Zorba
Deputy General Manager
The Egyptian company for
Energy & Cooling projects
(Gascool), Egypt

Supported by





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Media Partner



The Sustainabilist

Speakers Organizations invited

- Ministry of Energy
- Dubai Electricity & Water Authority (DEWA)
- Dubai Carbon Centre of Excellence (DCCE)
- Dubai Municipality
- EMICOOL, United Arab Emirates
- Empower, United Arab Emirates
- TAS Middle East LLC
- ADC Energy Systems LLC
- Gulf District Cooling
- ADC Energy Systems LLC
- Global Pacific Engineering & Contracting Co LLC
- Allied Consultants, Egypt
- AECOM
- Atkins
- SNC Lavalin Gulf Contractors LLC
- World Green Building Council (GBC), United Arab Emirates
- Nakheel

Note: The agenda is subjected to change till the final agenda of the conference. Topics and speaker availability play important role in agenda.

DAY 1, Wednesday 4th December 2019

08:00 Registration

08:50 Welcome note from Markets and Markets

08:55 Opening Remarks from the Chairman

09:00 Keynote: Understanding the significance of District Cooling in Middle East

Operations & Design

09:30 Exploring innovative tools and approaches to optimize system design

10:00 Global solutions for new design approach for buildings of tomorrow

10:30 Morning Refreshments and Poster Presentation One-to-one Networking Meetings

11:30 Case Study –District cooling overview from Egypt

Tarek Zorba, Deputy General Manager, The Egyptian company for Energy & Cooling projects (Gascool), Egypt

Government Regulations & Finance

12:00 Panel Discussion: The Government support and guidelines in Middle East countries

12:30 Initiatives for integrating district cooling infrastructure in real estate planning

13:00 Lunch | Poster presentation | Networking break

14:00 Steps for cost saving and enhancing profits in the long run

Sustainability & Energy Storage

14:30 Design Criteria for a High Efficiency District Cooling Plant

15:00 Green Building Sustainable design considerations

Deepthy K B, Regional Director, GBCI, U.A.E

15:30 Afternoon refreshments | Poster presentation | Networking break

16:30 Design Challenge: Optimization of OPEX and CAPEX for district cooling

17:00 Chilled water energy storage systems

17:30 Networking Break

17:00 End of Day 1

Day 2, Thursday 5th December 2019

08:15 Registration

08:50 Welcome note from Markets and Markets

08:55 Opening Remarks by the Chairman

Advanced Control Systems

9:00 Saving Energy by advanced flow control systems

09:30 Addressing low delta T Syndrome at Chiller Plant

10:00 Introduction to Artificial Intelligence systems for flow control and energy efficiency

10:30 Morning Refreshments and Poster Presentation | Networking Meetings

Energy Storage

11:30 Thermal energy storage of chilled water systems

12:00 Using direct condensation for enhancing energy efficiency

12:30 Case study – Successful implementation of ice thermal storage

13:00 Lunch | Poster presentation | Networking break

Future Technologies & Solutions

14:00 Use of Water Disinfection Systems in District Cooling Plants

14:30 Enhancing plant operations, audit systems by application of Machine Learning & Artificial Intelligence

15:00 Case Study – Energy efficiency system applied in Europe countries

15:30 Closing Remarks from Chairperson

15:45 End of Conference