



المؤتمر الدولي لتبريد وتدفئة المناطق  
International District Cooling & Heating Conference

24<sup>th</sup> - 25<sup>th</sup> October 2017 | Ritz-Carlton Hotel - Doha, Qatar

www.idchc.qa

FEATURING

5<sup>TH</sup> GLOBAL  
DISTRICT  
ENERGY  
CLIMATE  
AWARDS

www.districtenergyaward.org

## Programme

### Tuesday, 24 October 2017

Time	Activity	Location
09:00 - 09:30	Welcome Coffee & Business Exchange with Partners	Foyer Area
09:30 - 10:30	<b>Opening Ceremony</b>  Keynote address: <ul style="list-style-type: none"> <li>Essa Helal Al Kuwari, KAHRAMAA</li> <li>Ahmed Al Ammari, Marafeq Qatar</li> <li>Paul Voss, Euroheat &amp; Power</li> </ul>	Al Mukhtasar 1 & 2
10:30 - 12:00	<b>District Cooling and Heating: The Solution for a Feverish Planet</b>  Climate change is a challenge for every country on every continent. With the Paris Agreement, all countries have agreed to work together to limit global temperature rise below 2 degrees Celsius. The fight against climate change needs an extraordinary cooperation at the international level and solutions to be shared at the local level. In this panel, key stakeholders from the main International entities will explain and discuss the role District Heating and Cooling will play in helping countries to move toward a low-carbon economy. Join us for this session and discover how DHC will make an impact! <b>Panel Debate - Moderator:</b> Paul Voss, Euroheat & Power <ul style="list-style-type: none"> <li>H.E. Mrs. Ewa Polano, Ambassador of Sweden to Qatar</li> <li>Pär Dalin, Devcco</li> <li>Celia Martínez, UN Environment</li> <li>Esam Elsarrag, GORD</li> <li>John Dulac, International Energy Agency</li> <li>Vinod Kesavannair, Marafeq Qatar</li> </ul> <b>Q&amp;A: Discussion</b>	Al Mukhtasar 1 & 2
12:00 - 14:00	Lunch & Business Exchange	Lagoon Restaurant
14:00 - 15:30	<b>Parallel Sessions</b>	
14:00 - 15:30	<b>Regulation and Practice: Issues, Solutions, Opportunities</b>  Policy & Regulation Session  What are the regulatory challenges in the field of District Heating and Cooling? What is the state-of-art in energy policies? What are the underlying principles of good practices? A series of expert panellists will share their perspectives on these questions and more. From local policy to regional regulations, from European to Middle Eastern best practices, speakers will share their visions and solutions to seize the maximum potential of DHC! Come and let your voice be heard! <b>Moderator:</b> Werner Lutsch, AGFW <ul style="list-style-type: none"> <li>PRESENTATION by Ibrahim Al Sada, Kahra-Maa</li> <li>PRESENTATION by Jonas Cognell, Göteborg Energi</li> <li>PRESENTATION by Monika Kuusela, Fortum Corporation</li> </ul>	Al Mukhtasar 2
14:00 - 15:30	<b>District Heating and Cooling: Fundamental Concepts</b>  Innovation & Development Session  For the last couple of years, many new developments have taken place in the field of DHC and have shaped the understanding of the technology. During this session, key renowned experts in specific areas of District Heating and Cooling will explain the fundamental principles behind DHC technology. Get ready to discover the mechanisms that make this pioneering technology work! <b>Moderator:</b> Saud Ghani, Qatar University <ul style="list-style-type: none"> <li>PRESENTATION by Soma Mohammadi, Nottingham Trent University</li> <li>PRESENTATION by Eric Lindström, Devcco</li> <li>PRESENTATION by Uday Diwakar, Marafeq Qatar</li> </ul>	Fateh Al Khair



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14:00 - 15:30

Operations &  
Technology  
Session

**DHC Best Practices and Benchmarking**

As innovative sector District Heating and Cooling looks to become ever more efficient, renewable and sustainable. The integration of new sources such as recoverable heat and cold, multi-sources systems, smart operation embedded in a wider environment, linking heating and cooling networks to each other, active consumers and many other options shape the future of DHC. In this session two top notch networks will share their secrets – and will be benchmarked using two elaborated benchmarking systems. The question is often how much DHC contributes to the fight against climate change or how good a certain network is compared to others – our benchmarking experts have the answer.

Moderator: **Celia Martínez**, UN Environment

- PRESENTATION by **Robert Miller**, Marafeq Qatar
- PRESENTATION by **Pär Dalin**, Devcco
- PRESENTATION by **Ingo Wagner**, Euroheat & Power
- PRESENTATION by **Srinivasan Rangan**, Carrier Corporation

Al Mukhtasar  
1

15:30 - 16:00

Refreshments & Business Exchange

Foyer Area

16:00 - 17:30

**Global District Energy Climate Awards**

Launched in 2009, the Global District Energy Climate Awards recognise systems that illustrate the overall importance of District Energy (heating & cooling) in providing sustainable energy solutions.

Moderator: **Paul Voss**, Euroheat & Power

- **John Dulac**, International Energy Agency
- **Celia Martínez**, UN Environment
- **Robin Wiltshire**, Chairman of the Global District Energy Climate Awards Evaluation Panel, Chair of International Energy Agency (IEA) DHC/CHP Implementing Agreement

**PRESENTATION OF THE AWARDS OF EXCELLENCE:**

- Winner: EMERGING MARKET
- Winner: NEW SCHEME
- Winner: MODERNIZATION
- Winner: EXPANSION
- Winner: OUT OF THE BOX

Al Mukhtasar  
1 & 2



[www.districtenergyaward.org](http://www.districtenergyaward.org)

Ceremony hosted  
by Marafeq Qatar



Thanks to  
our Major Donor:



19:00 - 23:00

**GALA DINNER and Celebration of Award Winners**

Gala dinner at the Bin Jelmood House, Msheireb Museums.  
Celebrate this evening with us in one of the heritage houses in the heart of downtown Doha.  
Bus will leave at 19:00 from the Ritz Carlton West Bay Doha. The event starts at 19:30

Access only  
with  
voucher!



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Wednesday, 25 October 2017

Time	Activity	Location
08:30 - 09:00	Welcome Coffee & Business Exchange with Partners	Foyer Area
09:00 - 10:30	<b>Parallel Sessions</b>	
09:00 - 10:30	<b>Consumers, Tariffs and Markets</b>	AI Mukhtasar 2
Policy & Regulation Session	<p>In the medium and longer term, projections indicate that the market share of District Heating, and above all, District Cooling, will increase significantly up to 2050. For the current and future energy markets, District Heating and Cooling networks hold an important potential for major savings but, how do markets differ? How are relations with consumers shaped and how is this reflected in the price? In this session, key experts in the field will share their knowledge to draw a clear picture on the current situation and the development of DHC markets and tariffs.</p> <p><b>Moderator:</b> Birger Lauersen, Dansk Fjernvarme</p> <ul style="list-style-type: none"> <li>PRESENTATION by Michael Schack, Engie</li> <li>PRESENTATION by Mikael Jakobsson, Asia Pacific Urban Energy Association</li> <li>PRESENTATION by Celia Martínez, UN Environment</li> </ul>	
09:00 - 10:30	<b>Standardization and Quality Control</b>	AI Mukhtasar 1
Operations & Technology session	<p>District energy systems are - as most systems - complex by nature. On top of this systemic complexity, they are built to run for decades under sometimes extreme conditions but with extreme accuracy. Accordingly devices and installations, be it pipes, substations or pumps, need to fulfil certain requirements. Quality and standards ensuring this quality are essential for a well-functioning system. This session brings together operators and technology suppliers to discuss needs and solutions.</p> <p><b>Moderator:</b> Reed Phillips, Marafeq Qatar</p> <ul style="list-style-type: none"> <li>PRESENTATION by Subhajit Roy, Qatar Cool</li> <li>PRESENTATION by Jørgen Ægidius, Logstor</li> <li>PRESENTATION by Markus Köfinger, Austrian Institute of Technology</li> <li>PRESENTATION by Ayush Dubey, Daikin</li> </ul>	
10:30 - 11:00	Coffee Break & Business Exchange	Foyer Area
11:00 - 12:30	<b>Parallel Sessions</b>	
11:00 - 12:30	<b>Resource Efficiency under Montreal Protocol</b>	AI Mukhtasar 2
Policy & Regulation Session	<p>The Montreal Protocol is a landmark international agreement designed to protect the stratospheric ozone layer. Resource efficiency has already proven to be an effective solution to reduce greenhouse gas emissions. This panel will explore and share best practices, lessons learned and know-how from all over the world through a series of snapshots from various sources that can be used efficiently. Join us and share your vision with our experts!</p> <p><b>Moderator:</b> Ingo Wagner, Euroheat &amp; Power</p> <ul style="list-style-type: none"> <li>PRESENTATION by Mike Thompson, Trane</li> <li>PRESENTATION by Astrid Madsen, City of Rotterdam</li> <li>PRESENTATION by Muhammad Ali, Consultant</li> </ul>	
11:00 - 12:30	<b>Operations &amp; Maintenance: Shared Challenges</b>	AI Mukhtasar 1
Operations & Technology session	<p>While top quality devices and installations are one prerequisite for a well-functioning district energy system, high quality operation and maintenance is the other one. What are the main challenges in the field? How can they be tackled? And what would O&amp;M specialists across the board wish for?</p> <p><b>Moderator:</b> Abobaker Al Hadrami, Marafeq Qatar</p> <ul style="list-style-type: none"> <li>PRESENTATION by Nahar Al Mutawa, Qatar Cool</li> <li>PRESENTATION by Javier Martín, Veolia</li> <li>PRESENTATION by Ravi Kanaan, Marafeq Qatar</li> </ul>	
12:30 - 13:00	<b>Closing Ceremony</b>	AI Mukhtasar 1 & 2
	<p>Closing Keynotes:</p> <ul style="list-style-type: none"> <li>Ahmed Al Ammari, Marafeq Qatar</li> <li>Paul Voss, Euroheat &amp; Power</li> </ul>	



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13:00 - 14:00 Lunch & Business Exchange

Lagoon  
Restaurant

**14:00 - 16:00 Technical Visits: District Cooling Plants at Lusail City**

The Lusail district cooling system is projected to serve over 800 buildings, 800 Energy Transfer Stations (ETs), through 173 km (supply and return) underground piping from four production plants (about 340,000 TR). The capacity of the Marina District Cooling Plant, the first of four plants to be commissioned, ultimately will be 89,850 TR consisting of 78,250 TR compression and 11,600 TR thermal energy storage. Currently, 33,250 TR (compression) are installed. During the tour, delegates will be briefed on the complexity and planning that went into the Lusail City district cooling system, and following that, delegates will have an opportunity to tour the Marina plant.

Find out more [www.marafaq.com.qa](http://www.marafaq.com.qa)

14:05: Departure from the Ritz-Carlton Hotel Doha

16:00: back at the Ritz-Carlton Hotel Doha