



WITH **QWi**
WATER IS OUR CONCERN

PRODUCED WATER MIDDLE EAST

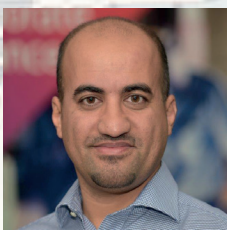
SUNDAY 12TH & MONDAY 13TH NOVEMBER 2017
ST. REGIS HOTEL | ABU DHABI, UAE

A MESSAGE FROM THE PRESIDENT

I am honored to have been appointed as the first President of the new Middle East Chapter of the Produced Water Society. The Society has met annually in Houston for the past 27 years, discussing the latest technologies, case studies and challenges facing the industry.

Produced water is becoming an increasing challenge for operators in the GCC so this is the perfect time for an expansion into the region. The inaugural Produced Water Society Middle East conference brings together regional operators, technology providers and researchers for two days of strategic and technical discussion, as well as opportunities to build your business network throughout the GCC and further afield.

Thank you for joining us, and we look forward to a stimulating event.



Hani Al-Khalifa,
Senior Process Engineer, *Saudi Aramco*
President, *Produced Water Society Middle East*



ADVISORY BOARD

Steve Coffee, *Enerscope Systems*

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Daniel Shannon, *Schlumberger*

Saada Al-Shukaili, *Petroleum Development Oman*


Jay Weatherman, *Shell*

Dr. Ming Yang, *TUV NEL*



CONFERENCE AGENDA

Day 0 NOVEMBER 11

19:30 - 21:00	Icebreaker Drinks in the St Regis Azura Panoramic Lounge	Sponsored by 
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Day 1 NOVEMBER 12

7:00 - 8:30	Registration, Coffee & Exhibition Al Mudhaif Ballroom
8:30-8:45	Welcome & Opening Remarks by Hani Al-Khalifa, Saudi Aramco & Steve Coffee, Enerscope Systems
8:45 - 9:15	KEYNOTE ADDRESS Yann Bigno, Manager / IRM Leader & Bu Hasa Production Optimization Manager, ADNOC
9:15 - 10:15	SESSION 1 Chairs: Hani Al-Khalifa, Saudi Aramco & Dr. Cheng Chen, Chevron Expanding Usage of Treated Produced Water - Providing Solutions for Crude Desalters Lisa Henthorne, Water Standard New Process Scheme for Treatment and Reuse of Desalter Effluent Diego Carrasco Torrecilla, Veolia Water
10:15 - 11:00	Coffee Break & Exhibition
11:00 - 12:30	SESSION 2 Chairs: Dr. Yasmeen Al-Lawati, Institute for Advanced Technology Integration & Steve Coffee, Enerscope Systems Which Deoiling Technologies to Choose for Upstream Oil and Gas Applications? A Multi-Criteria Approach Camille Sagne & Michael Cavill, Suez Case Study: A Technical Audit of the Nutshell Filters at Effluent Water Disposal Plants EWDPs Imad Al-Maheimid, Kuwait Oil Company Water Management using Constructed Surface Flow Wetland System in ASP Flooding Projects Mahendran Srinivasan, Petroleum Development Oman & Stephane Prigent, Bauer
12:30 - 13:30	Networking Lunch & Exhibition Al Mudhaif Ballroom Sponsored by 
13:30 - 15:00	SESSION 3 Chairs: Lisa Henthorne, Water Standard & Dr. Mouloud Hendou, Veolia Oil & Gas Clathrate Desalination Method Applied to Produced Waters: Methodology & Results Matthieu Jacob, Total & Pascal Le Melinaire, BGH Ceramic Membrane Ultrafiltration Demonstrates Performance for Produced Water Reuse Dr Cheng Chen, Chevron & Andrea Larson, Siemens Case Study- CPI system at Qarn Alam Saada Al-Shukaili, Petroleum Development Oman
15:00 - 15:45	Coffee Break & Exhibition

15:45 - 16:45	<h3>Roundtable Sessions 1: (2 rounds)</h3> <p>Our most popular format. Excellent for networking and identifying which delegates have similar interests and challenges. Each table is hosted by an industry leader who makes an opening presentation before opening up the table for questions. After 25 minutes a bell rings and delegates move onto the next table. Delegates can pick two presentations per round. Make sure you have a lot of business cards.</p>		
	<table border="0"> <tr> <td style="vertical-align: top;"> <ol style="list-style-type: none"> 1. Development of a Spectroscopic Technique for Continuous On-Line Monitoring of Light Oils in Produced Water - Andy McClernon, <i>Advanced Sensors</i> 2. Water Balance Optimization at an Enhanced Oil Recovery Facility - Daniel Bjorklund, <i>Aquatech</i> 3. Oxygen Removal in Offshore Water Injection: Comparison Between Vacuum Degassing and Membrane Deaeration Technologies - Alessio Liati, <i>Artes Ingegneria S.p.A.</i> 4. Produced Water Treatment: Traditional is Expensive - Todd Kirk, <i>Exterran</i> 5. Integrated PWT Debottlenecking & Retrofitting - Jeroen Bergman, <i>Frames</i> 6. Securing Today's Water for Tomorrows Production: Cost Effective Water Treatment for EOR - a Global Perspective - Matthew Goysich, <i>MyCelx</i> 7. Next Generation Compact Flotation Unit for Produced Water Treatment - Prof. Matteo Chiesa, <i>Masdar Institute of Science & Technology</i> & Rune G. Nilssen, <i>Stauper Offshore</i> </td> <td style="vertical-align: top;"> <ol style="list-style-type: none"> 8. Pure Pack - Produced Water Treatment - Kyle Jenkins, <i>Pentair</i> 9. Carrier Gas Extraction for Oil Field Water Management - Prakash Govindan, <i>Gradiant Corporation</i> 10. Chlorine Dioxide Treatment Enhances Oil Recovery and Suspended Solids Removal from Produced Water - Zack Li, <i>Pureline</i> 11. The Use of Oil Removal Media to Treat Produced Water from Polymer Flooding for Re-Injection - Chris Catalanotto, <i>Siemens</i> 12. Quick Laboratory Analysis of Gas Condensate in Produced Water - Chip Westaby, <i>Turner Designs</i> 13. Improving Effluent Water Quality, Debottlenecking, and Reducing OPEX with Brownfield Implementation of Modified Nutshell Media - Jay Keener, <i>Xedia Process Solutions</i> 14. Mercury Removal by Macro Porous Polymer Extraction - Jeroen Boom, <i>Veolia Water Solutions</i> </td> </tr> </table>	<ol style="list-style-type: none"> 1. Development of a Spectroscopic Technique for Continuous On-Line Monitoring of Light Oils in Produced Water - Andy McClernon, <i>Advanced Sensors</i> 2. Water Balance Optimization at an Enhanced Oil Recovery Facility - Daniel Bjorklund, <i>Aquatech</i> 3. Oxygen Removal in Offshore Water Injection: Comparison Between Vacuum Degassing and Membrane Deaeration Technologies - Alessio Liati, <i>Artes Ingegneria S.p.A.</i> 4. Produced Water Treatment: Traditional is Expensive - Todd Kirk, <i>Exterran</i> 5. Integrated PWT Debottlenecking & Retrofitting - Jeroen Bergman, <i>Frames</i> 6. Securing Today's Water for Tomorrows Production: Cost Effective Water Treatment for EOR - a Global Perspective - Matthew Goysich, <i>MyCelx</i> 7. Next Generation Compact Flotation Unit for Produced Water Treatment - Prof. Matteo Chiesa, <i>Masdar Institute of Science & Technology</i> & Rune G. Nilssen, <i>Stauper Offshore</i> 	<ol style="list-style-type: none"> 8. Pure Pack - Produced Water Treatment - Kyle Jenkins, <i>Pentair</i> 9. Carrier Gas Extraction for Oil Field Water Management - Prakash Govindan, <i>Gradiant Corporation</i> 10. Chlorine Dioxide Treatment Enhances Oil Recovery and Suspended Solids Removal from Produced Water - Zack Li, <i>Pureline</i> 11. The Use of Oil Removal Media to Treat Produced Water from Polymer Flooding for Re-Injection - Chris Catalanotto, <i>Siemens</i> 12. Quick Laboratory Analysis of Gas Condensate in Produced Water - Chip Westaby, <i>Turner Designs</i> 13. Improving Effluent Water Quality, Debottlenecking, and Reducing OPEX with Brownfield Implementation of Modified Nutshell Media - Jay Keener, <i>Xedia Process Solutions</i> 14. Mercury Removal by Macro Porous Polymer Extraction - Jeroen Boom, <i>Veolia Water Solutions</i>
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Day 2 **NOVEMBER 13**

7:00 - 8:15	Coffee & Exhibition		
8:15 - 9:15	<p>Session 4</p> <p>Chairs: Saada Al-Shukaili, <i>Petroleum Development Oman</i> & Imad Al-Maheimid, <i>Kuwait Oil Company</i></p> <p>Case Study: Laggan & Tormore Gas Plant: 18 Months of Operation Results of a New Produced Water Treatment Patrick Baldoni-Andrey, <i>Total</i> & Cathy Fuchs, <i>Suez</i></p> <p>Low Frequency Electromagnetic Treatment of Produced Water For Reuse in Agriculture: Effect on Water Quality, Germination, and Plant Growth Emily Sappington, <i>The University of Houston</i></p>		
9:15 - 10:00	Coffee Break & Exhibition		
10:00 - 11:00	<p>Session 5</p> <p>Chairs: Sayed Farahat, <i>Occidental Oman</i> & Sayed Mohammed Mustafa, <i>Kuwait Oil Company</i></p> <p>A Successful Field Demonstration of Removing Oil in Water by A Novel Regenerable Media Saada Al-Shukaili, <i>Petroleum Development Oman</i> & Caleb Smathers, <i>ProSep</i></p> <p>Application of Flotation for Removing Fine Particles From Iron-Containing Produced Water Nattawin Chawaloesphonsiya, <i>PTTEP</i></p>		
11:15 - 12:15	Roundtable Sessions 3: (2 rounds)		
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12:15 - 12:30	Closing Discussion		
12:30 - 13:30	Lunch & Exhibition		



<p>13:30 - 16:30</p>	<p>Workshop: Optimizing Produced Water Injection Systems Chair: Hani Al-Khalifa, Saudi Aramco This half day workshop will provide hands on experience in how to analyze and improve produced water reinjection systems from treatment to injection wells. The workshop will provide expert insight into:</p> <ul style="list-style-type: none"> • Integrated methodology for analyzing and optimizing injection systems • Balancing energy efficiency and system capacity • Surface and Subsurface issues • Centrifugal pumps and their behavior • Debottlenecking of produced water injection systems with minimum investment • Excel based simulation techniques and calculation tools
<p>16:30 - 18:00</p>	<p>Young Professionals Drinks Reception The St Regis Bar</p>

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