



<b>5 November</b>	<b>Oil &amp; Gas industry</b>
<b>10:30</b>	<b>Welcome &amp; registration</b>
<b>11:00 - 12:30hrs</b>	<p><b>Solving water restrictions</b>  <i>Access to sufficient water as well as discharge of water is becoming increasingly restricted. This session explores these challenges and shows approaches to find new water sources, reuse water and zero liquid discharge options</i></p> <ul style="list-style-type: none"> <li>• <i>Divya Inna, Bluetech Research: Trends &amp; developments in produced water discharge &amp; ZLD.</i></li> <li>• <i>Ektarina Kremleva, Aramco: Produced water treatment technologies in oil and gas operations</i></li> <li>• <i>Georg Stockinger, Shell: Water management in Shell.</i></li> <li>• <i>Marc Slagt, Dupont: Aspropyrgos Refinery: Smart Resin Solution to Increase Site Demin Water supply Reliability.</i></li> </ul>
<b>14:30 - 16:00hrs</b>	<p><b>Innovations in the Oil &amp; Gas sector</b>  <i>This session explores the role of upcoming technologies that can support the Oil &amp; Gas industry to solve the challenges of the future.</i></p> <ul style="list-style-type: none"> <li>• <i>Sneha Verma, Fluor: benefits and bottlenecks of digitization for utilities and environmental compliance.</i></li> <li>• <i>Daryl Briggs, Aquafortus: non-thermal ZLD technology.</i></li> <li>• <i>Lei Fan, Cool Separations: Valorize effluent streams from sulfur recovery units.</i></li> </ul>

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<b>6 November</b>	<b>Food, Beverage and Paper industry</b>
<b>10:30</b>	<b>Welcome &amp; registration</b>
<b>11:00 - 12:30hrs</b>	<p><b>Resource recovery from organic loaded wastewater</b> Water reduction and water reuse has the advantage that wastewater volumes are reduced and concentrated. Such COD rich wastewater presents both opportunities (biogas production, resource recovery) and challenges for a reliable and stable treatment.</p> <ul style="list-style-type: none"> <li>• Jelena Brown, DS Smith: Anaerobic digestion of paper mill water to reduce site energy use.</li> <li>• Maarten Schaafsma, Waterschap Rijn &amp; IJssel: Kaumera biopolymer production from dairy wastewater.</li> <li>• Maurice Oltheten, ChainCraft: Producing biobased chemicals from organic waste from the food industry via open mixed culture fermentation.</li> <li>• Martine Klaver, Waterstromen on behalf of Aviko: Fat recovery from wastewater in the fried potato production industry.</li> </ul>
<b>14:30 - 16:00hrs</b>	<p><b>Water security in the Food, Beverage &amp; Paper industry</b> Water is a critical resource for the Food, Beverage and Paper industry. Increasingly water stress can threaten the production and therefore new water sources need to be found and developed.</p> <ul style="list-style-type: none"> <li>• Paul Bruijn, Heineken: implementation of a drastic water reuse strategy.</li> <li>• Johan Raap, Cosun: Recovery of energy, water and nutrients in agro crop processing.</li> <li>• Reinder de Valk, North Water: Kosher water production for the potato starch industry.</li> <li>• Marcin Wielgopolan and Thijs Wolbrink, Nijhuis Industries: Breakthrough in the meat industry: turning wastewater into water reuse for production processes.</li> </ul>
<b>7 November</b>	<b>Chemicals &amp; Energy</b>
<b>10:30</b>	<b>Welcome &amp; registration</b>
<b>11:00 - 12:30hrs</b>	<p><b>Water use and re-use: opportunities and constraints</b> Increased pressures on water resources require industries to reduce water consumption, find other sources and reuse water. This sets increasing demands to water treatment in the chemical industry.</p> <ul style="list-style-type: none"> <li>– Tim Finley, DOW: Water management related Issues, trends and opportunities in the petrochemical industry.</li> <li>– Steven Meul, BASF Antwerpen: The importance of water at a large chemical production site and how it could be managed.</li> <li>– Joerg Mennicken, LyondellBasel: Circular Steam project.</li> <li>– Arjen van Nieuwenhuijzen, Witteveen+Bos: JTC Singapore: industrial symbiosis on Jurong Island Chemical Estate.</li> </ul>
<b>14:30 - 16:00hrs</b>	<p><b>Greening water conditioning for heat &amp; power generation</b> Chemicals are widely used to condition cooling water and boiler feed water in the chemical and energy sector. This sector explores how the use of chemicals can be minimized and if green alternatives are available.</p> <ul style="list-style-type: none"> <li>– Ewoud Van den Brande, Yara &amp; Marjolein Vanoppen, Ghent University: IMPROVED @ Yara: Reuse and recovery from condensates.</li> <li>– Daniela Galla, Enel: Materials &amp; technologies for improved performance of cooling water systems.</li> <li>– Hans Huiting, KWR: Influence of condition chemicals on steam and condensate quality and performance</li> <li>– Mike Platt, Nijhuis Deba: Green alternative (EcoCatalyst) reduces organic loading and fouling of a cooling tower for an UK food plant.</li> </ul>

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