

## AQUATECH INDUSTRIAL USER EXPERIENCE

Programme overview of seminar sessions (Programme is subject to change)

31 October		Oil & Gas industry
10:30hrs		Reception & registration
11:00 - 12:30hrs		<p><b>Solving water restrictions in down stream processing:</b> Secure access to sufficient water is increasingly a challenge for down streaming processing of oil in refinery complexes. Alternative water sources and re-use of water can therefore provide solutions to ensure continued production.</p> <ul style="list-style-type: none"> <li>– Shell: MBR treatment of effluent from Gas-to-Liquid plants*</li> <li>– Repsol: Re-use of sewage effluent in a refinery*</li> <li>– Susanne Glaser, Total Refinery, Germany: Pilot results of water reuse through combined flotation and ceramic membranes</li> <li>– Sneha Verma, Fluor Process Engineering: selecting wastewater technologies for water reuse and zero liquid discharge*</li> </ul>
15:00 - 16:30hrs		<p><b>Challenges in produced water:</b> In certain area's availability of water is becoming a limiting factor for production. In this session we explore new examples of water treatment for water reuse and possibilities to approach zero liquid discharge.</p> <ul style="list-style-type: none"> <li>– Arian Nijmeijer, Shell: From produced water to boiler feed water: first experiences with water reuse in oil sands mining</li> <li>– Statoil: Experiences with biocides to control membrane fouling*</li> <li>– Supriyo Das, Dow water &amp; process solutions</li> </ul>
1 November		Food, Beverage & Paper
10:30hrs		Reception & registration
11:00 - 12:30hrs		<p><b>Treating concentrated waste waters:</b> Water reduction and water reuse has the advantage that waste water volumes are reduced and concentrated. Such high loaded waste water present both opportunities (biogas production, resource recovery) and challenges for a reliable and stable treatment. High salt contents or oils and fats may complicate the treatment.</p> <ul style="list-style-type: none"> <li>– Rainbow Chicken, South Africa: Experiences with an anaerobic flotation reactor for treatment of fat and oil containing wastewater</li> <li>– Westfort, The Netherlands: Compact aerobic granular sludge treatment for slaughter house waste water</li> <li>– John Durkan, ABP Ireland: Global water stewardship at ABP Ireland</li> <li>– Water authority De Dommel: Innovative green houses to treat Koningshoeve brewery waste water*</li> </ul>
15:00 - 16:30hrs		<p><b>Water reuse in the Food, Beverage &amp; Paper industry:</b> This session explores the limits and possibilities of water reuse in the Food &amp; Beverage industry. The "food-grade" quality and nutrient content of such wastewaters may harness interesting potential for other industries or agriculture. Re-use in the own industry may also be interesting, but control of impurities and biological growth can be challenging.</p> <ul style="list-style-type: none"> <li>– Michael Corkery Nestlé: Drinking water from dairy waste water, Mexico</li> <li>– Gert-Jan van Veen, Holland Malt</li> <li>– Metsa, water reduction in the paper industry*</li> <li>– Mars: Anaerobic MBR treatment as an enabler for water reuse in Poland &amp; the Netherlands*</li> </ul>
2 November		Chemicals & Pharma
10:30hrs		Reception & registration
11:00 - 12:30hrs		<p><b>Water reduction and re-use: opportunities and downsides</b> Increased pressures on water resources requires industries to reduce water consumption and reuse water. This sets increasing demands to water treatment in the chemical industry. Reuse may accumulate trace components, but purer water may also have negative effects. This session explores challenges in water treatment to minimize water and energy use.</p> <ul style="list-style-type: none"> <li>– Jordi Bacarit, DOW: Water re-use at Tarragona Dow facility</li> <li>– Solvay: Water (re)-use at Solvay, Belgium*</li> <li>– USG Company: Controlling membrane fouling in water treatment at Chemelot chemical complex*</li> </ul>
15:00 - 16:30hrs		<p><b>Pharmaceutical water</b> This session explores the demands and challenges for water treatment in the pharmaceutical industry. What is the importance of ultra-pure water and how can active pharmaceutical ingredients be effectively addressed in wastewater treatment.</p> <ul style="list-style-type: none"> <li>– Paul O'Callaghan, BlueTech Research: How water risk is being viewed and managed by Pharmachem plants with a global footprint</li> <li>– Herman Sijkhuis, DSM Sinochem – sustainable production of antibiotics</li> <li>– SIWI: Tackling pharmaceutical manufacturing emissions, a shared responsibility*</li> <li>– Henk van Buuren, Synthon: High-quality water for injection for reliable active pharmaceutical ingredient production</li> </ul>

\*= invited but not yet confirmed

Powered by



Sponsored by

