

# ipS International Power Summit

"Building partnerships for International Power Producers"  
19-21 February 2020, Hamburg, Germany

"Celebrating 17  
years in the Power  
Industry"



<b>Pre-Event – 19 February</b>	
18:00-19:00	<b>Welcome Drinks Reception</b>
<b>Day One – 20 February</b>	
08:00–08:50	<b>Event registration and collection of meeting schedules</b>
08:50–09:00	<b>Chair’s opening remarks: Tom Walsh, CEO, Renetech AB</b>
09:00–09:25	<p><b>Opening Address: How are energy companies making the transition into a low carbon landscape</b></p> <ul style="list-style-type: none"> <li>• Reviewing Europe’s commitments to the adoption of renewable energy</li> <li>• Assessing the strategies and new technologies utilised by conventional power generation companies to work on lower emissions</li> <li>• Current renewable energy projects in execution in Europe and their impact to the region</li> <li>• Role for carbon capture and natural gas</li> <li>• What are the plans to deliver on the renewable energy commitments?</li> </ul> <p><b>Barry K. Worthington, Executive Director, United States Energy Association</b></p>
09:25–09:55	<p><b>Gas – essential to Europe’s energy future</b></p> <ul style="list-style-type: none"> <li>• Europe continues to be the pioneer in the transformation towards a greener energy landscape</li> <li>• Gas-fired power generation fleets remain important assets in the generation mix to support and bolster intermittent renewable energy sources</li> <li>• Gas-fired power plants – with their lower emissions, higher efficiency, high flexibility and back-up capabilities – support renewables as they continue to deploy, and keep the power systems stable.</li> </ul>



	<b>Brice Raisin, Commercial General Manager, Gas Power Europe</b>
09:55-10:20	<p><b>Functional safety in the operation of power plants</b></p> <ul style="list-style-type: none"> <li>• Obligations and challenges on running plants</li> <li>• Experience shows us that systems fail and accidents happen</li> <li>• Staff functional safety awareness – what is that?</li> <li>• Asset management aspects on safety</li> <li>• Handling high integrity instrumented safety systems correctly during operation</li> <li>• Staff education</li> <li>• Planning and execution of proof testing and system validation</li> <li>• Management of change requirements</li> </ul> <p><b>Stefan Lynge Christensen, Senior Chief Consultant &amp; Team Lead, Ramboll</b></p>
10:20-10:30	<b>Morning networking break</b>
10:35-11:05	<b>Business meeting 1</b>
11:10-11:40	<b>Business meeting 2</b>
11:45-12:15	<p><b>How to fix the German energy storage market?</b></p> <ul style="list-style-type: none"> <li>• Energy storage market overview</li> <li>• Energy storage in Germany</li> <li>• What need to change to increase the deployment of energy storage in Germany?</li> </ul>



	<b>Jan Andersson</b> , Senior Analyst, Market Development, <b>Wärtsilä Energy</b>
12:15-12:40	<p><b>The future of gas power generation in Europe</b></p> <ul style="list-style-type: none"> <li>• The European Green Deal and its implications for power generation</li> <li>• Sustainable finance and the stranded assets discussion</li> <li>• The time-horizon challenge of Europe’s decarbonisation approach: Fast coal phase-out vs carbon-neutrality by 2050</li> <li>• The importance of being “renewable-gas ready” and the challenges connected</li> <li>• Consequences for gas power generation in Europe</li> </ul> <p><b>Ralf Wezel</b>, Secretary General, <b>EUGINE &amp; EUturbines</b></p>
12:40-13:30	<b>Lunch</b>
13:30-14:00	<b>Business meeting 3</b>
14:05-14:35	<b>Business meeting 4</b>
14:40-15:05	<p><b>140 MMTH Woodchips fired powerplant ASV6 Kalundborg</b></p> <ul style="list-style-type: none"> <li>• Understanding the different sources of biomass and their potential</li> <li>• Assessing tech developments in biomass power</li> <li>• What are the incentives, from a legal and economic perspective, to develop biomass energy?</li> <li>• Common challenges for biomass projects and strategies to overcome them</li> <li>• Current projects in execution in the region</li> </ul> <p><b>Jesper Staal</b>, Project Director, <b>Ørsted</b></p>



15:05-15:35	<p><b>Increasing plant's availability, performance and production</b></p> <ul style="list-style-type: none"> <li>• Customer problem: unplanned downtime</li> <li>• How machine learning combined with human experience can help customers reducing unplanned downtime</li> <li>• Case studies</li> </ul> <p><b>Stefano Malacrida, Business Development Director, IMI Critical Engineering</b></p>
15:35-16:00	<p><b>An overview of PV projects in Europe</b></p> <ul style="list-style-type: none"> <li>• What drivers are influencing solar development in the region?</li> <li>• Funding: defining the best strategy</li> <li>• Addressing the risks in solar energy financing</li> <li>• PV versus Thermal</li> <li>• Best practices from current PV projects in execution</li> <li>• New technologies that are being applied to increase PV panels efficiency</li> </ul> <p><b>Philipp Leckebusch, CEO, DTEK Renewables</b></p>
16:00-16:15	<i><b>Afternoon Coffee Break</b></i>
16:20-16:50	<i><b>Business Meeting 5</b></i>



16:55-17:20	<p><b>The power of distributed energy systems to solve today's and tomorrow's challenges</b></p> <ul style="list-style-type: none"> <li>• Global trends, opportunities and barriers in Europe</li> <li>• Consumers as generators and its commercial impacts: future transactions using blockchain</li> <li>• Understanding how to effectively integrate renewable energy into microgrids</li> <li>• Resilience and reliability of power in urban settings</li> <li>• Technical and financial optimisation to address critical needs</li> </ul> <p><b>Tony Nyagah, CEO, Strauss Energy</b></p>
17:20-17:45	<p><b>Renewables in energy strategy and national energy and climate plan – the case of Croatia</b></p> <ul style="list-style-type: none"> <li>• Generation portfolio overview – current status</li> <li>• Energy strategy directions until 2030</li> <li>• National and climate plan until 2030</li> <li>• Renewable energy sources in strategic documents</li> <li>• Looking on the regional development</li> </ul> <p><b>Ivan Androcec, Section Head of Investment Strategy and New Technologies, Hrvatska Elektroprivreda</b></p>
17:45-17:50	<p><b>Chair's closing remarks: Tom Walsh, CEO, Renetech AB</b></p>
18:30-19:30	<p><b>Drinks Reception</b></p>
19:30-21:30	<p><b>Dinner</b></p>

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Day Two – 21 February	
08:00–08:50	Event registration and collection of meeting schedules
08:50-09:00	Chair's opening remarks: Abdul Rahim, Former Group CEO, Member of the Board, NUR Power Sdn Bhd
09:00-09:25	<p><b>Implementing a digital solution: the human element in a digital revolution</b></p> <ul style="list-style-type: none"> <li>• "Big brother is watching you" – culture and concerns</li> <li>• Artificial intelligence and machine learning – what does it really mean?</li> <li>• Accepting advice from a robot</li> <li>• Data security from an employee's point of view</li> <li>• Data security from an enterprise's point of view</li> </ul> <p><b>Michael Frank, CEO, Uniper Anlagenservice GmbH</b></p>
09:25-09:55	<b>Systemic innovation for a renewable-powered future</b>



	<ul style="list-style-type: none"> <li>Challenges and solutions for integrating high shares of wind and solar generation in current power systems</li> <li>Electrification, decentralisation and digitalisation trends are defining the power systems transformation</li> <li>Systemic innovation is key: Innovation in all dimensions in the entire system is needed to increase flexibility</li> <li>What are the emerging innovations that enable higher shares of wind and solar integration?</li> <li>How does the role of consumers change? How do utilities change?</li> </ul> <p><b>Arina Anisie</b>, Associate Programme Officer – Renewable Energy Innovation, <b>IRENA</b></p>
09:55-10:25	<p><b>The promise &amp; practicality of gas turbine power plants in the drive for a carbon-neutral power grid</b></p> <ul style="list-style-type: none"> <li>Transformational changes in the way power is being generated today</li> <li>Operational Flexibility of gas turbines in a renewable dominated grid</li> <li>Challenges of hydrogen as a fuel for gas turbines</li> <li>Technology platforms proving safe combustion of hydrogen fuel mixtures</li> <li>Solutions established today and in active development</li> </ul> <p><b>Jeffrey A. Benoit</b>, Vice President – Marketing and Strategy, <b>Ansaldo Energia</b></p>
10:25-10:35	<b>Morning networking break</b>
10:40-11:10	<b>Business meeting 6</b>
11:15-11:45	<b>Business meeting 7</b>
11:50-12:15	<p><b>Challenges and opportunities in O&amp;M of a dedicated power utility in high tech park</b></p> <ul style="list-style-type: none"> <li>Customers are kings and customers’ requirements are sacrosanct. No compromises</li> <li>Availability, reliability and power quality (PQ) required by the customers push the utility to innovative practices in O&amp;M of the plants</li> </ul>



	<ul style="list-style-type: none"> <li>• Rising costs of fuels, spare parts and services challenge the utility to find ways to keep the electricity tariff competitive</li> <li>• Opportunities abound for EPC contractors, service providers, advisors (technical/financial) and OEMs to partner the utility providing high standard of electricity supply in the park. New technologies and practices are welcome</li> </ul> <p><b>Abdul Rahim</b>, Former Group CEO, Member of the Board, <b>NUR Power Sdn Bhd</b></p>
12:15-12:40	<p><b>Energy storage: No more use it or lose it, store it!</b></p> <ul style="list-style-type: none"> <li>• An overview of its applicability, financing and potential evolution</li> <li>• Tap into the latest developments in energy storage technologies</li> <li>• Understanding the costs and ROI of energy storage</li> <li>• How can energy storage integrate renewable energy, and how the different sources impact on its development</li> </ul> <p><b>Hasan Oezdem</b>, Head of Innovation Hubs &amp; Large Energy Storage Program, <b>Siemens Gamesa</b></p>
12:40-13:05	<p><b>The hydrogen market shock</b></p> <ul style="list-style-type: none"> <li>• Mass-scale competitive green hydrogen production: @ GW-scale solar and wind electrolysis at LNG parity</li> <li>• Flooding energy markets via the refurbishing of existing infrastructures: transmission, storage and turbines</li> <li>• Industry and energy usage: feeding the pent-up demand for immediate shift away from oil, gas and coal</li> <li>• Financial tipping point: liquidity flows shift from fossil fuel assets to green hydrogen value chain</li> </ul> <p><b>Thierry Lepercq</b>, Former EVP, R&amp;D and Innovation, <b>ENGIE</b>; CEO, <b>Sunriver Energies</b></p>
13:05-14:00	<b>Lunch</b>
14:00-14:30	<b>Business meeting 8</b>

14:35-15:00	<p><b>The challenge of intermittency: The role of flexibility and storage</b></p> <ul style="list-style-type: none"> <li>• Discussing the importance of flexibility over storage</li> <li>• Hybrid solutions: Providing a viable role for storage</li> <li>• The solution of intermittency through combining storage and renewables</li> </ul> <p><b>Xavier Fischer</b>, Senior Project Manager &amp; Business Developer, <b>EDF</b></p>
15:00-15:25	<p><b>The grid stability challenge: How to handle the new energy sources?</b></p> <ul style="list-style-type: none"> <li>• Understanding the challenges of adding renewable into grids, and how to overcome them</li> <li>• New market model: Regulation (EU) 943/2019 and directive (EU) 944/2019</li> <li>• Virtual power plants, PPAs and e-mobility, a possible solution?</li> <li>• Day ahead market, intraday market and balancing market coupling</li> <li>• How the storage of electricity will help</li> <li>• Disruptive technologies such as blockchain, digitalisation and IoT</li> </ul> <p><b>Aurel Mindrican</b>, Trade Development Manager, <b>CEZ</b></p>
15:25-15:50	<p><b>Driving global energy transition together</b></p> <ul style="list-style-type: none"> <li>• Energy markets changing substantially</li> <li>• Decarbonisation as major driver, supported by digitalisation</li> <li>• Challenges for powerComm utilities to provide affordable, sustainable and reliable power</li> <li>• Investment focus changing significantly in generation and transmission</li> <li>• Ideas for customer-supplier collaboration to master energy transition</li> </ul> <p><b>Alexander Kotschi</b>, VP Account Management Power Utilities, <b>Siemens Energy</b></p>

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15:50-16:15	<b>Renewable power production and distribution in emerging markets</b> <ul style="list-style-type: none"><li>• Outlook and business opportunities</li><li>• Off-grid developments</li><li>• Transmission projects</li></ul> <b>David Bauner, CTO, Renetech AB</b>
16:15-16:20	<b>Chair's closing remarks: Abdul Rahim, Former Group CEO, Member of the Board, NUR Power Sdn Bhd</b>
16:20	<b>Close of International Power Summit 2020</b>