



December 9, 2020 | Online Event

8:15 am EST	<p>Neste Case Study: Applying Machine Learning to Support Predictive Asset Maintenance of Heat Exchangers</p> <p>In his presentation Markko Rajatora, VP Business Processes, Neste Corporation, explains how Neste applies machine learning to support predictive asset maintenance of heat exchangers in one of Neste's refineries. The presentation addresses the underlying business requirements, approaches to refinery data, related IT systems and applied machine learning solution aspects. Markko shares insight to the results and discusses the usability aspects related to the predictive asset maintenance solution.</p> <p><i>Markko Rajatora, VP Business Processes, Neste Corporation</i></p>
9:00 am EST	<p>Scaling Predictive Asset Analytics to Fit Your Business</p> <p>Post pandemic, oil and gas companies are focusing their efforts and resources on controlling costs and maximizing value from their assets. Predictive analytics provides the opportunity to transform operational practices by creating early warning notification and diagnosis of equipment issues days, weeks, or months before failure. This helps asset-intensive organizations reduce equipment downtime, increase reliability, and improve performance while reducing operations and maintenance costs.</p> <p>AVEVA™ Predictive Analytics experts will share how PAA can help you:</p> <ul style="list-style-type: none"> - Unlock your operational data from the control room and make it accessible when and where your people need it - Improve reliability and performance by accessing real-time critical data in the field and reducing downtime - Empower people to become active participants in real-time work streams and enhance collaboration between teams - Leverage data to enable the creation of rich dashboards (including mobile), process and asset-centric visualization, and alerting <p><i>Drew Bowen, Global Technical Sales Lead, Artificial Intelligence, AVEVA</i></p>
9:45 am EST	<p>Making your Operations More Predictive: Integrating Your Asset Management and Predictive Maintenance Strategies</p> <ul style="list-style-type: none"> • Defining success: Not all asset performance management programs are created equal • Asset performance management powered by machine learning: extracting value from decades of data to perform prescriptive maintenance and optimize asset performance • From starting out to scaling up: scaling predictive analytics solutions • Providing earlier prediction of asset failures while reducing or eliminating false positives <p><i>Usman Iftikhar, Data Analytics Engineer, Trendminer</i></p>



<p>10:30 am EST</p>	<p>Human Expertise vs Artificial Intelligence: How Can I Optimise my Operations Using Both Machine Learning AND Years of Experience?</p> <ul style="list-style-type: none"> • Separating the hype of Artificial Intelligence from the measurable benefits • The “brain drain” being caused by an ageing workforce • How to capture and digitize organisational expertise • Extracting the value in what you already know about your assets • How to augment human intelligence to improve uptime, through “machine learning” • Choosing the right technology for Critical and non-Critical assets: where should I begin? • Achieving “world-class” - developments that will bring additional gains <p><i>Terry Siggins, Regional Sales (EMEA) and Corporate Marketing Director, BK Vibro</i></p>
<p>11:15 am EST</p>	<p>The Need for Performance Twins: Predict, Diagnose and Forecast</p> <ul style="list-style-type: none"> • Implementing Digital Twins is becoming a strategic necessity for many industrial companies. Although demand has increased, requirements and expectations have eroded, especially those of Digital Twin models • Learn the basics of how Digital Twin models should be built, how to scale & implement these models on assets and systems to create a twin and discover best practices for how to leverage these twins operationally to Predict, Diagnose and Forecast performance degradation as a part of your reliability work processes. • From building a 300+ asset blueprint catalog, an installed software base of over 420 customers globally and remotely monitoring 7000 assets around the world with quantified loss avoidance of over 1.5 Billion dollars, GE is working directly with customers to build and operationalize Digital Twins in harmony with their business processes and asset management functions. <p><i>Jared Hartness, Director Industry Solutions, GE Digital</i></p>
<p>12:45 pm EST</p>	<p>The Evolution of Maintenance and Reliability Towards Prescriptive Maintenance</p> <ul style="list-style-type: none"> • How has maintenance and reliability evolved over time • Prescriptive maintenance vs. predictive maintenance • Why we need to get to predictive maintenance • How do we get there in the most efficient way? • Reliability process execution <p><i>Randy Pound, Global Manufacturing Director Maintenance and Reliability, Olin</i></p>
<p>1:20 pm EST</p>	<p>Predictive Asset Analytics Concludes</p>