












Revised:
Wednesday, September 4, 2024

TUESDAY, OCTOBER 1, 2024




9:00 – 9:45 a.m.	Tour Registration/Badge pickup
10:00 a.m. – 3:00 p.m.	<p>Exclusive Tour of LyondellBasell's PO/TBA plant</p> <p><i>Join us for a tour of the largest propylene oxide (PO) and tertiary butyl alcohol (TBA) plant in the world. The Houston-based facility represented the single-largest investment in the company's history, to date. The products produced at the plant are sold to domestic and global customers, with a majority of the products being exported via the Houston Ship Channel. The PO/TBA Project was part of LyondellBasell's \$5-B organic growth program taking place on the U.S. Gulf Coast.</i></p> <p><i>The tour will depart promptly at 10:00 a.m. Details on motorcoach pick up will be forwarded to tour participants. Lunch will be provided, and buses will return to the hotel between 2:30 and 3:00 p.m. depending on traffic. Space is limited, register early.</i></p> <p><i>*Sponsorships of pre-departure coffee and breakfast are available</i></p>









WEDNESDAY, OCTOBER 2, 2024

7:30 a.m. – 6:00 p.m.	Registration/Badge pickup
8:30 – 8:35 a.m.	<p>Welcome Remarks: Lee Nichols, <i>Vice President, Content</i></p> <div style="text-align: right;"></div>
8:35 – 9:05 a.m.	<p>Keynote: Various Options for a Bottomless Refinery.</p> <p>Ujjal Mukherjee, <i>Chief Technology Officer</i></p> <div style="text-align: right;"></div>

	TRACK ONE <i>(Greenway Ballroom)</i> Session One: Refining – Process Optimization <i>(FCC, Alkylation, Coking, Treating, Hydrocracking)</i>	TRACK TWO <i>(Bluebonnet Room)</i> Session Two: Digital Transformation/Evolution <i>(Predictive Analytics, IIoT, Cybersecurity, AR/VR, AI, etc.)</i>
9:10 – 9:40 a.m.	<p>Off-gas treatment to mitigate environmental impact:</p> <p>Suma Ninan, <i>Senior Technical Professional Leader – Process, KBR</i>, Khalid Alshamrani, <i>Project Engineer, Saudi Aramco</i> and Abdul Rahman Habib, <i>Project Management – Lead, Saudi Aramco</i></p> <div style="text-align: center;">    </div>	<p>Driving Value Maximization with Process Digital Twins and Data Analytics:</p> <p>Sathiyarayanan Arunachalam, <i>Vice President</i></p> <div style="text-align: center;">  </div>
9:40 - 10:10 a.m.	<p>Fire Heater Debottlenecking and Optimization Strategies:</p> <p>Simbarashe Mambiri, <i>Process Engineer</i></p> <div style="text-align: center;">  </div>	<p>Unified power and process paves the path to net zero:</p> <p>Constantine Lau, <i>Global Director</i></p> <div style="text-align: center;">   </div>
10:10 – 10:40 a.m.	<p>Needle Coke & Synthetic Graphite: Advancing Performance through Technology Application: Al Faegh, <i>Director Delayed Coking Technology</i></p> <div style="text-align: center;">  <p><small>Chevron Lummus Global</small></p> </div>	<p>AI for valve predictive maintenance:</p> <p>Boris Volavicius, <i>Director, Digitalization Sales</i></p> <div style="text-align: center;">  </div>
10:40 – 11:10 a.m.	<p>Networking Refreshment Break</p> <p><i>*Sponsorship available*</i></p>	

	Session Three: Emerging Process Technologies (Refining and/or Petrochemicals)	Session Four: Catalyst Technologies
11:10 – 11:40 a.m.	<p>Breezon R1270: Pertamina's Natural Refrigerant Revolutionizing Energy Efficiency and Environmental Sustainability: Andrie Prasetyo <i>Polypropylene Process Engineer, Ari Fajar Riyanto, Sr. Specialist III Downstream Research, and Fahmy Thoriqul Haq, Analyst I Technology Incubation</i></p> 	<p>Affordable superior hydrocracking catalysts through strategic zeolite modifications: Kurt Du Mong, <i>Chief Executive Officer</i></p> 
11:40 a.m. – 12:10 p.m.	<p>An innovative process for simultaneously producing high-purity benzene and U.S.-grade gasoline from FCC C6 hearcut: Rahul Patil, <i>Sr. General Manager</i></p> 	<p>Sinopec non-oil route for light olefins production -The Integration of S-MTO and OCC Process: Dr. Hongxing Liu, <i>Senior Engineer</i></p> 
12:10 – 12:40 p.m.	<p>Sulfur Removal: A pathway for Energy Reduction and Decarbonization: Rahul Khandelwal, <i>Business Director</i></p> 	<p>Enhancing Refinery Profitability and Sustainability; Advanced Catalyst Systems for Renewable Fuels: Marc Schreier, <i>Principal Engineer</i></p> 
12:40 – 1:40 p.m.	<p>Lunch <i>*Sponsorship available*</i></p>	
	Session Five: Green Petrochemicals	Session Six: Energy Efficiency/Plant Optimization
1:40 – 2:10 p.m.	<p>Charting decarbonization pathways for key primary petchem production routes: Joseph Fallurin, <i>Manager - Oil and Gas Climate Solutions</i> and Catherine Huyett, <i>Senior Associate</i></p> 	<p>Sustainable Furnace Technologies – a Transformational Pathway to Net Zero: Peter Armstrong, <i>Vice President of Business Development</i></p> 
2:10 – 2:40 p.m.	<p>Ethylbenzene Production Technology with Diversified Feedstock: Dr. Darui Wang, <i>Vice Director. R&D Division</i></p> 	<p>Sustainable Process Development and Refinery Integration: Vishal Venkat, <i>Research Engineer</i></p> 

2:40 – 3:10 p.m.	<p>The expansion of a green technology portfolio: Acquisitions, partnerships and investment: Ajay Gami, <i>Chief Development Officer</i></p> 	<p>Optimization & Sustainability by Effective Concept And Detail Design Of Gas Plant: Saravanavel Muthiah Ponnusamy, <i>Process Engineering Manager</i></p> 
3:10 – 3:40 p.m.	<p>Networking Refreshment Break <i>*Sponsorship available*</i></p>	
	<p>Session Seven: Hydrogen (Methanol/Ammonia – non-grey hydrogen)</p>	<p>Session Eight: Refining/Petrochemical Feedstocks Moderator: Karl Rufener Sr. Technology Manager, Low Carbon Olefin Production LyondellBasell</p>
3:40 – 4:10 p.m.	<p>Natural Gas (NG) savings in Hydrogen (H2) production: Marcelo Tagliabue, <i>Operations Manager</i></p> 	<p>Innovating around Fischer Tropsch Technology: Breakthrough Technology Enabling Scalable, Feedstock Flexible, and Economical Sustainable Fuels: Sanjiv Dabee, <i>VP of Engineering</i></p> 
4:10 – 4:40 p.m.	<p>Presenter: TBA</p> 	<p>Exploring the Use of Advanced Modulated Electrostatic Dehydration Technology in Bio-Oils and Renewable Feedstock Applications: Prabhu Elumali, <i>Subject Matter Expert, Crude Oil Treatment</i></p> 
4:40 – 5:10 p.m.	<p>Dynamic Simulation for Green Hydrogen Production: A Novel, Collaborative Approach by ABB and CORYS: Graham Provost, <i>Vice President of Strategy and Business Development</i></p> 	<p>Plastic pyrolysis oils as feedstock for steam crackers: Opportunities and challenges: Dr. Harald Schmaderer, <i>Head of Chemical Technology Services</i></p> 
5:10 – 6:10	<p>Drinks Reception <i>*Sponsorship available*</i></p>	
THURSDAY, OCTOBER 3, 2024		
7:30 a.m. – 4:00 p.m.	<p>Registration/Badge pickup</p>	
8:30 – 8:35 a.m.	<p>Welcome Remarks</p>	
8:35 – 9:05 a.m.	<p>Keynote: CATALYST SAFETY ASSESSMENT: Making catalyst and adsorbent start-ups safer. Adrienne van Kooperen, <i>Hydrocracking Technical Services</i></p> <p>An unease around potential high temperature and pressures during fresh Catalyst and adsorbent start-ups, leading to situations where design pressure and temperature are exceeded, made Shell create the Catalyst Safety Assessment (CSA) methodology.</p> <p>The objective is to increase focus on risks during transient phases of start-ups with fresh catalysts and adsorbents within and from Shell. Conducting the CSA, which is a team exercise involving cross-functional technical experts (the CSA team), enables Shell to learn from upsets during start-ups and reduces the risk of safety incidents.</p>	
9:05 – 9:35 a.m.	<p>Keynote: Solutions for a Circular Plastic Economy Mariane Maximous, <i>Vice President, Feedstock and Mechanical Recycling, Circular and Low-Carbon Solutions</i></p>	

9:35 – 10:05 a.m.	Downstream Market Intelligence: John Royall, <i>President & CEO</i> , and Thad Pittman, <i>Senior Research Analyst</i> An overview of downstream project data including new data sets on hydrogen, renewables, global pipelines, and LNG will be presented. <div style="text-align: right;"></div>	
	TRACK ONE <i>(Greenway Ballroom)</i> Session Nine: Carbon Capture/Emissions Reduction	TRACK TWO <i>(Bluebonnet Room)</i> Session Ten: Biofuels, Alternative/Clean/Renewable Fuels
10:05 – 10:35 a.m.	Carbon Emission Management and Decarbonization Strategies Implementation through Design and Operational Improvements of Process Units: Deepak Kumar Jha, <i>Chief Manager</i> 	TBA 
10:35 - 11:05 a.m.	Next Generation of Olefin Production: Emission and Energy Efficiency: Ghoncheh Rasouli, <i>Product Management Consultant</i>  A Yokogawa Company	Tackle operational challenges with FCC coprocessing applications: Kevin Yao, <i>Technical Services Engineer</i>  We create chemistry
11:05 – 11:35 a.m.	Networking Refreshment Break <i>*Sponsorship available*</i>	
	Session Eleven: Maintenance, Inspection, and Reliability/Corrosion	Session Twelve: Process Controls, Instrumentation and Automation
11:35 a.m. – 12:05 p.m.	Innovations in Coating Technologies for Corrosion Control and Fouling Prevention in Harsh Hydrocarbon Processing Environments: Dr. Fadila Khelfaoui, <i>Corporate Engineer, Metallurgy</i> and Luc Vernhes, <i>Director, Business Development</i> 	The process control journey: Advanced process control: Muhammed Ahmed, <i>Principal Architect, Digital Value Assur</i> 
12:05 – 12:35 p.m.	TBD	Optimizing combustion processes for safety and efficiency: Tim Tallon, <i>Combustion Product Manager</i> 
12:35 – 1:35 p.m.	Lunch <i>*Sponsorship available*</i>	
	Session Thirteen: Process Optimization	Session Fourteen: Sustainability

1:35 – 2:05 p.m.	<p>Safe Innovative Approach for Commissioning & Startup of Mega Oil Refinery Complex: Syed Abdul Wahab Ali, <i>Team Lead Naphtha Block- Process Engineer</i> and Shehab Refai, <i>Supervisor North Refinery- Lead Process Engineer</i></p> 	<p>How oil companies can lead in the energy transition: Greener today and sustainable tomorrow: <i>Presenter TBD</i></p> 
2:05– 2:35 p.m.	<p>Mechanical Insulation – The Fastest and Least Costly Path to Reduced Energy Consumption and GHG Emissions: Scott Sinclair, <i>National Specification Manager Industrial Insulation</i></p>	<p>Accelerate Your Sustainability Program: <i>Douglas White, Principal, Consultant</i></p> 
2:35 – 3:05 p.m.	<p>Networking Refreshment Break <i>*Sponsorship available*</i></p>	
<p>Session Fifteen: Circular Economy/Chemical Recycling</p>		
3:05 – 3:35 p.m.	<p>Hydrochemolytic Technology: a cost-effective alternative to pyrolysis for the chemical recycling of mixed plastic waste: Eric Appelman, <i>Chief Revenue Officer</i> and Abe Dyck, <i>Corporate Development</i></p> 	
3:35 – 4:05 p.m.	<p>Plastic Circularity: Solutions for plastic recycling and utilization of plastic-derived oils in petrochemical and refining units: <i>Cassandra Schoessow, Hydro-PRT (Plastic Recycling) Process Manager</i></p> 	
4:05 – 4:35 p.m.	<p>Novel additized solvent package for defouling adamant asphaltenic deposits in heavy hydrocarbon process and storage units: Ramesh Kandaneli, <i>Manager</i></p> 	
4:35 – 4:45 p.m.	<p>Closing remarks</p>	