




















## TUESDAY, OCTOBER 1, 2024






9:00 – 9:45 a.m.	Tour Registration/Badge pickup
10:00 a.m. – 3:00 p.m.	<p><b>Exclusive Tour of LyondellBasell's PO/TBA plant</b></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> 
8:35 – 9:05 a.m.	<p><b>Keynote: Various Options for a Bottomless Refinery:</b></p> <p>Ujjal Mukherjee, <i>Chief Technology Officer, Lummus Technology</i></p> 

	<b>TRACK ONE</b> <i>(Greenway Ballroom)</i> <b>Session One:</b> Refining – Process Optimization (FCC, Alkylation, Coking, Treating, Hydrocracking)	<b>TRACK TWO</b> <i>(Bluebonnet Room)</i> <b>Session Two:</b> Digital Transformation/Evolution (Predictive Analytics, IIoT, Cybersecurity, AR/VR, AI, etc.)
9:10 – 9:40 a.m.	<p><b>Off-gas treatment to mitigate environmental impact:</b></p> <p>Suma Ninan, <i>Senior Technical Professional Leader – Process</i></p> 	<p><b>Driving Value Maximization with Process Digital Twins and Data Analytics:</b></p> <p>Sathiyarayanan Arunachalam, <i>Vice President</i></p> 
9:40 - 10:10 a.m.	<p><b>Fire Heater Debottlenecking and Optimization Strategies:</b></p> <p>Simbarashe Mambiri, <i>Process Engineer</i></p> 	<p><b>Unified power and process paves the path to net zero:</b></p> <p>Constantine Lau, <i>Global Director</i></p> 
10:10 – 10:40 a.m.	<p><b>Needle Coke &amp; Synthetic Graphite: Advancing Performance through Technology Application:</b> Ahmad Faegh, <i>Director of Technology, Delayed Coking and Carbon Products</i></p> 	<p><b>AI for valve predictive maintenance:</b></p> <p>Jay Hunt, <i>North America Industry Manager, Refining and Chemical</i></p> 
10:40 – 11:10 a.m.	<p>Networking Refreshment Break</p> <p><i>*Sponsorship available*</i></p>	
	<b>Session Three:</b>	<b>Session Four:</b>

	Emerging Process Technologies (Refining and/or Petrochemicals)	Catalyst Technologies
11:10 – 11:40 a.m.	<b>Breezon R1270: Pertamina's Natural Refrigerant Revolutionizing Energy Efficiency and Environmental Sustainability:</b> Andrie Prasetyo Polypropylene Process Engineer, 	<b>Affordable superior hydrocracking catalysts through strategic zeolite modifications:</b> Kurt Du Mong, <i>Chief Executive Officer</i> 
11:40 a.m. – 12:10 p.m.	TBA	<b>Sinopec non-oil route for light olefins production -The Integration of S-MTO and OCC Process:</b> Dr. Hongxing Liu, <i>Senior Engineer</i> 
12:10 – 12:40 p.m.	<b>Zero Sulfur Refining:</b> Rahul Khandelwal, <i>Business Director</i> , 	<b>A new Catalyst system to produce renewable diesel and SAF:</b> Speaker TBA, <b>Chevron Lummus Global</b> 
12:40 – 1:40 p.m.	Lunch <i>*Sponsorship available*</i>	
	Session Five: Green Petrochemicals	Session Six: Energy Efficiency/Plant Optimization
1:40 – 2:10 p.m.	<b>Decarbonization pathways for six primary well-to-gate petrochemicals:</b> Joseph Fallurin, <i>Manager - Oil and Gas Climate Solutions</i> 	<b>Sustainable Furnace Technologies – a Transformational Pathway to Net Zero:</b> Peter Armstrong, <i>Vice President of Business Development</i> 
2:10 – 2:40 p.m.	<b>Ethylbenzene Production Technology with Diversified Feedstock:</b> Dr. Darui Wang, Sinopec Shanghai Research Institute of Petrochemical Technology (SRIPT) 	<b>Sustainable Process Development and Refinery Integration:</b> Vishal Venkat, <i>Research Engineer</i> 
2:40 – 3:10 p.m.	<b>The expansion of a green technology portfolio: Acquisitions, partnerships and investment:</b> Ajay Gami, <i>Chief Development Officer</i> 	<b>Optimization &amp; Sustainability by Effective Concept And Detail Design Of Gas Plant:</b> Saravanavel Muthiah Ponnusamy, <i>Process Engineering Manager</i> 
3:10 – 3:40 p.m.	Networking Refreshment Break <i>*Sponsorship available*</i>	

	Session Seven: Hydrogen (Methanol/Ammonia – non-grey hydrogen)	Session Eight: Refining/Petrochemical Feedstocks
3:40 – 4:10 p.m.	<b>Use of Refinery off Gas (ROG) as CO2 emission reduction and Natural Gas (NG) savings in Hydrogen (H2) production:</b> Marcelo Tagliabue, <i>Operations Manager</i> , 	<b>Innovating around Fischer Tropsch Technology: Breakthrough Technology Enabling Scalable, Feedstock Flexible, and Economical Sustainable Fuels:</b> Alyssa Norris, <i>Director of Sustainability</i> 
4:10 – 4:40 p.m.	TBA	<b>Exploring the Use of Advanced Modulated Electrostatic Dehydration Technology in Bio-Oils and Renewable Feedstock Applications:</b> Prabhu Elumali, <i>Subject Matter Expert, Crude Oil Treatment</i> 
4:40 – 5:10 p.m.	<b>Dynamic Simulation for Green Hydrogen Production: A Novel, Collaborative Approach by ABB and CORYS:</b> Graham Provost, <i>Vice President of Strategy and Business Development</i> 	<b>Plastic pyrolysis oils as feedstock for steam crackers: Opportunities and challenges:</b> Dr. Harald Schmaderer, <i>Head of Chemical Technology Services, Linde</i> 
5:10 – 6:10	Drinks Reception <i>*Sponsorship available*</i>	
THURSDAY, OCTOBER 3, 2024		
7:30 a.m. – 4:00 p.m.	Registration/Badge pickup	
8:30 – 8:35 a.m.	Welcome Remarks	
8:35 – 9:05 a.m.	<b>Keynote: Learnings from a reactor explosion: Towards safer startups for catalysts systems:</b> Adrienne van Kooperen, <i>Hydrocracking Technical Services</i>	
9:05 – 10:05 a.m.	<b>Panel Discussion: Operator/Licensor Technology Advancements</b> <b>Moderator:</b> <b>Panelists:</b>	
	TRACK ONE (Greenway Ballroom)	TRACK TWO (Bluebonnet Room)

	<b>Session Nine:</b> Carbon Capture/Emissions Reduction	<b>Session Ten:</b> Biofuels, Alternative/Clean/Renewable Fuels
10:05 – 10:35 a.m.	<b>Carbon Emission Management and Decarbonization Strategies Implementation through Design and Operational Improvements of Process Units:</b> Deepak Kumar Jha, <i>Chief Manager</i> 	TBA
10:35 - 11:05 a.m.	<b>Next Generation of Olefin Production: Emission and Energy Efficiency:</b> Ghoncheh Rasouli, <i>Product Management Consultant</i>  A Yokogawa Company	<b>Tackle operational challenges with FCC coprocessing applications:</b> speaker name TBD 
11:05 – 11:35 a.m.	Networking Refreshment Break <i>*Sponsorship available*</i>	
	<b>Session Eleven:</b> Maintenance, Inspection, and Reliability/Corrosion	<b>Session Twelve:</b> Process Controls, Instrumentation and Automation
11:35 a.m. – 12:05 p.m.	<b>Innovations in Coating Technologies for Corrosion Control and Fouling Prevention in Harsh Hydrocarbon Processing Environments:</b> Dr. Fadila Khelfaoui, <i>Corporate Engineer, Metallurgy</i> 	<b>The process control journey: Advanced process control:</b> Muhammed Ahmed, <i>Principal Architect, Digital Value Assur</i> 
12:05 – 12:35 p.m.	<b>SMART and Multifunctional Tubacoat technology for OPEX, CAPEX reduction, decarbonization and biofuels production in refining and petrochemical applications:</b> Sanjay Lodha, <i>Global Business Director</i> 	<b>Optimizing combustion processes for safety and efficiency:</b> Tim Tallon, <i>Combustion Product Manager</i> 
12:35 – 1:35 p.m.	Lunch <i>*Sponsorship available*</i>	
	<b>Session Thirteen:</b> Process Optimization	<b>Session Fourteen:</b> Sustainability
1:35 – 2:05 p.m.	<b>Safe Innovative Approach for Commissioning &amp; Startup of Mega Oil Refinery Complex:</b> Syed Abdul Wahab Ali, <i>Team Lead Naphtha Block- Process Engineer</i> and Shehab Refai, <i>Supervisor North Refinery- Lead Process Engineer</i> 	<b>How oil companies can lead in the energy transition: Greener today and sustainable tomorrow:</b> Joseph McMullen, <i>Senior Portfolio Marketing Manager, Value Chain Optimization</i> 

2:05– 2:35 p.m.	<b>Prompt engineering as a tool for operational efficiency:</b> Rafael Larraz, <i>Director, Corporate Engineering</i> or Jesus Oliva, <i>Head of Data Science &amp; AI</i> 	<b>Accelerate Your Sustainability Program:</b> Douglas White, <i>Principal, Consultant</i> 
2:35 – 3:05 p.m.	Networking Refreshment Break <i>*Sponsorship available*</i>	
	<b>Session Fifteen:</b> <b>Circular Economy/Chemical Recycling</b>	
3:05 – 3:35 p.m.	<b>Hydrochemolytic Technology: a cost-effective alternative to pyrolysis for the chemical recycling of mixed plastic waste:</b> Eric Appelmann, <i>Chief Revenue Officer</i> 	
3:35 – 4:05 p.m.	<b>Plastic Circularity: Solutions for plastic recycling and utilization of plastic-derived oils in petrochemical and refining units:</b> Cassandra Schoessow, <i>Hydro-PRT (Plastic Recycling) Process Manager</i> 	
4:05 – 4:35 p.m.	<b>Novel additized solvent package for defouling adamant asphaltenic deposits in heavy hydrocarbon process and storage units:</b> Ramesh Kandaneli, <i>Manager</i> 	
4:35 – 4:45 p.m.	Closing remarks	