

# FlexPO<sup>+</sup>

CHEM • PETCHEM • PLASTICS • POLYMERS

**Thursday, February 17, 2022**  
**Houston, TX**

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# CHEMICAL MARKET RESOURCES

An ADI Business

ADI Chemical Market Resources (CMR) is a consulting and advisory firm focusing on chemicals, petrochemicals, polymers, and plastics. Since 2017, CMR has been a part of ADI Analytics, a consulting firm specializing in oil & gas, energy, chemicals in Houston, TX.

CMR brings deep expertise in chemicals, petrochemicals, polymers, and plastics coupled with three decades of experience, a proven track record, and an integrated view of the hydrocarbon value chain. We help clients with market research, strategic planning, competitive benchmarking, and technology assessments.

Since 1994, CMR has completed more than 500 projects for over 200 clients including feedstock suppliers, monomer and polymer producers, processors, compounders, convertors, and fabricators. CMR has also advised distributors, end-users, EPC companies and technology licensors, traders, and private equity and venture capital investors. Representative clients include Dow, BASF, DuPont, SABIC, LyondellBasell, ExxonMobil, Total, SK, Mitsui, Reliance, Borealis, Invista, Zeon, Arkema, Sealed Air, Chiyoda, IHI, UOP, Grace, Agilyx, Arsenal Capital Partners, HIG Capital, Lindsay Goldberg, and Temasek.

In addition to consulting services, CMR publishes over 50 multi-client studies, licenses proprietary data and analytics, and organizes the annual FlexPO+ conference, now in its 25th year.

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[www.adi-analytics.com](http://www.adi-analytics.com)

## Welcome to FlexPO+ 2022!

Thank you for joining us at FlexPO+ 2022.

FlexPO — which was first held in 1996 — is an annual conference for business, operational, and technology leaders in chemical and polymer industries.

Building on a rich legacy, ADI Chemical Market Resources is relaunching the conference as FlexPO+ — a one-day conference featuring senior executives and industry leaders as speakers across multiple panel sessions covering feedstocks, polyethylene and polypropylene, specialty and performance materials, innovation, investing, and sustainability. We are hoping that FlexPO+ in its new format will deliver value in three ways:

- Facilitate a strategic perspective across the entire chemical and polymers value chains
- Catalyze dialogue through panel sessions and discussions that build on presentations
- Leverage insights from ADI Chemical Market Resources' research and perspectives

The ADI Chemical Market Resources team has worked hard to design FlexPO+ 2022 so it delivers on these goals. Beginning with a keynote presentation and an outlook for the industry, six panels will cover (1) chemical feedstocks, (2) commodity polymers, (3) specialty and performance materials, (4) innovation for sustainability, (5) investor perspectives, and (6) bio-based polymers.

Each session features external speakers with a total of 15 from major operators such as Huntsman, SK Geo Centric, TotalEnergies, SABIC, Borealis, Kraton, Kaneka, and Sulzer; leading start-ups including PureCycle, CJ Bio, and Origin Materials; investors from Arsenal Capital Partners and Chiron; and a think tank, RMI. Each moderated panel will begin with insights from ADI Chemical Market Resources to set context and facilitate an insightful dialogue. We welcome your active participation today.

Thank you, again, for joining us!



**Uday Turaga**  
*Conference Chair*



**Faiza Tanvir**  
*Conference Producer*

P.S. Do not miss the 2022 ADI Forum on February 24 for a strategic view of oil & gas and energy. Sign up at [www.ADI-Forum.com](http://www.ADI-Forum.com)!



## Agenda

7:30 am	Registration and Breakfast	8:00 am	Welcome
8:15 am	Keynote Presentation	9:00 am	Chemicals Outlook in 2022
	 <b>Scott Wright</b> , Huntsman, Division President	 <b>Uday Turaga</b> , ADI Chemical Market Resources, CEO	
	Break		
10:05 am	Feedstocks Review		
	 <b>Dhaval Shah</b> , SABIC, GM Corp. Tech. & Innovation	 <b>Macgill James</b> , Borealis, Mgr, Feedstocks Supply & BD	 <b>Thomas Kirk</b> , RMI, Mgr, Climate Intelligence
11:05 am	Polyethylene and Polypropylene Markets		
	 <b>Richard Thomas</b> , TotalEnergies US, Sr. Mgr, Strategy and Bus Dev.	 <b>Ron Smith</b> , PureCycle Technologies, VP, Joint Venture Development	
12:05 pm	Lunch		
1:05 pm	Specialty and Performance Polymers		
	 <b>Jose Mendez</b> SK Geo Centric, Global Business Director	 <b>Juan Gaytan</b> Kaneka North America, VP, MS Polymers	
2:05 pm	Innovation for Circularity and Sustainability		
	 <b>Vijay Mhetar</b> , Kraton, SVP and CTO	 <b>Hartmut Siebert</b> , Sulzer, Head of Polymers Business	
3:05 pm	Break		
3:30 pm	Investor Panel		
	 <b>Meghan Leggett</b> White Deer, Principal	 <b>Brian Orkin</b> Arsenal Capital Partners, Investment Partner	 <b>Chris Mudd</b> Chiron Financial, LLC, Managing Director
4:15 pm	Bio-based Polymers and Sustainable Materials		
	 <b>Raj Krishnaswamy</b> CJ Bio, VP, Polymers R&D	 <b>Roman Wolff</b> Origin Materials, VP, Engineering	
5:00 pm	Adjourn and Cocktails		

## Speakers



**Juan Gaytan** serves as Vice President for KANEKA North America for the MS Polymer Division. His responsibilities include overseeing internal operations for the Americas. Prior to this position, Gaytan spent 23 years in various Commercial and Global Marketing roles at The Dow Chemical Company. His experience includes marketing and technical sales of: Propylene Oxide, Propylene Glycol, Polyurethanes, Epoxy, Silicones, Polyglycols, Surfactants, Monomers amongst others. Gaytan has played a key role in the integration of mergers and acquisitions. Prior to Dow, he had worked as process engineer at Sherwin-Williams. Gaytan has an MBA from Arizona State University, as well as an MBA from ITESM-Campus Edo. De Mexico, and a B.S. in chemical engineering from Universidad Iberoamericana in Mexico City.



**Macgill James** is a reformed attorney who shifted careers from Banking to Energy in 1998 when he helped start a small LPG swaps brokerage in Baltimore. Since then, he has been involved in the entire commercial NGL/LPG value chain from the wellhead to the burner tip holding various roles in trading, marketing, origination, project development, strategy, and asset evaluation, both domestically and internationally. James' role at Borealis is to help source term feedstock for their European crackers and pursue business development opportunities here in the US.



**Thomas Kirk** is a Manager for RMI's Oil & Gas Solutions, a Climate Intelligence Initiative reducing greenhouse gas emissions in the oil and gas sector. Previously, he was a part of Sunshine for Mines working on carbon reduction in the mining industry through serving the electrical load of operating mines repurposing closed sites into renewable energy facilities, as well as financial and technical modeling. Before joining RMI, Kirk worked for the National Rural Electric Cooperative Association executing research and development on distributed energy resources and distribution engineering.



**Raj Krishnaswamy** is the Vice President of Polymers R&D at CJ Bio where they are bringing a new family of fully biobased and biodegradable polymers to the market. Prior to CJ Bio, He spent time at Chevron Phillips Chemical Company, Metabolix and Braskem, all in R&D and leadership roles. He is a co-inventor on over 40 patent applications and is a co-author on over 40 research publications. He is also a member of the University of Kentucky Engineering Alumni Hall of Distinction and serves on the advisory boards at Virginia Tech (polymer program), University of Kentucky (chemical engineering) and the SPE (Education Foundation).



**Meghan Leggett** is the former Principal of White Deer. Her responsibilities range from origination, structuring, due diligence, execution and monitoring of investments. She is currently a director of Cust-o-Fab, Extract, Axios, Unicat and BryteMove. Prior to White Deer, Leggett was an associate at Crestview Partners, and prior to then, an investment banking analyst in the Energy group at Citigroup. Leggett received an MBA from the Wharton School of Business and a BBA from the University of Texas at Austin.



**Jose Manuel Sanchez Mendez** is the Ethylene Acrylic Acid Copolymers and PVDC Global Business Director at SK Global Chemical Americas. Mendez has more than 20 years of experience in the plastics industry. Currently, he oversees the North and South Americas, Europe, and Asia markets. He had worked at Dow Chemical as ETP's, PP and Polyethylene Pipes Market Manager, Latin America Polyethylene Product Director, Latin America & Gulf Stream Project Leader, North America Market Director for Rigid Packaging & Durable and as Global Business Director for Ethylene Acrylic Acid Copolymers. Mendez Chemical Engineering degree from Universidad Nacional Autonoma De Mexico, and an MBA from the University of Pittsburgh.



**Vijay Mhetar** was appointed Senior Vice President, Chief Technology Officer for Kraton Corporation. He is responsible for Kraton's Innovation Program, Global R&D and Technical Development activities. Prior to joining Kraton, Mhetar worked at General Cable Corporation where held numerous technical leadership positions including Sr. President of Global Technology. Mhetar also worked for General Electric Company as their Global Technology Manager. Mhetar holds a Ph.D. in Chemical Engineering from Texas A&M University and a master's in technology from the Indian Institute of Technology in Bombay, India.



**Christopher Mudd** is a specialty chemicals operating executive with a record of success in creating, building, growing, and leading highly competitive mid-sized companies for U.S. and international markets. Currently, Mudd is Managing Director at Chiron Financial, LLC. Prior to Chiron, he was President of CJM ChemConsult. Previously, he was CEO of SGCE and Juniper Specialty Products, President & COO of CSW Industrials, and President & GM of Dexco Polymers. He began his career with The Dow Chemical Company, where he served in various roles. Mudd holds Bachelor's in Chemical Engineering from the University of Texas at Austin.



**Brian Orkin** is an Investment Partner at Arsenal Capital Partners where his responsibilities include investment strategy development, deal origination, and transaction execution as a member of the fund's specialty industrials team. Prior to Arsenal, Orkin was a principal at The Anderson Group LLC. Previously, he co-founded a bank holding company which acquired a national bank in Florida. Orkin started his career as a corporate finance attorney with law firms in California and Pennsylvania. Orkin earned a JD from California Western School of Law, an MBA from the University of Pittsburgh, and a BA from the University of Michigan.



**Dhaval Shah** is currently the General Manager for Corporate Technology & Innovation at SABIC. He has a PhD in chemical engineering and has been working in the petrochemical industry for 20 years in a variety of R&D roles. He started his career with GE Plastics in 2001 and transitioned to SABIC in 2007 through the GE Plastics acquisition. Shah has diverse experiences ranging from innovations in the upcycled polyesters to advanced material solutions to new decarbonization and mixed plastics waste recycling technologies. He is based in Sugarland, Texas at SABIC Americas' corporate research innovation center.



**Hartmut Siebert** is the Head of Polymer Business, Polymer EMIRA and AME at Sulzer Chemtech Ltd within polymer and crystallization. Polymer technologies within his responsibility are polystyrene (PS) polymerization, extrusion of expanded polystyrene (EPS), extrusion based expanded polypropylene (ePP), XPET foam extrusion technology, polymer melt cooler SMRTM, static mixers, SMX(L)TM, advanced polymer devolatilization technology (DEVO) and solvent based polymer recycling. Within Siebert's organization sales management, project management for the related technologies and region front sales in India are executed.



**Ron Smith** is VP of Joint Venture Development for PureCycle Technologies and leads global partnership development to accomplish PureCycle's mission to transform the world's polypropylene recycling industry. Smith brings more than 34 years of experience in the refining/chemical sector with an extensive background in international and domestic business development. Smith's prior positions include MD of Deep Blue Petroleum, CEO of Javelin Hydrocarbons, and VP of Refining, Crude Supply, Products and Planning at LyondellBasell. He also held positions in engineering and operations in the refining industry early in his career. Smith holds both a BS and MS in Chemical Engineering from Texas Tech University.



**Richard Thomas** leads market analysis and business development activities for TotalEnergies' US Refining and Petrochemicals business. Prior to joining TotalEnergies, Thomas worked for LyondellBasell, ARCO Chemical, Atlantic Richfield, BP, and Baker & O'Brien in a variety of positions, including strategy, corporate development, business development, operations planning, product management and process engineering. Thomas holds a B.S. in Chemical Engineering and an MBA in Finance from Drexel University.



**Roman Wolff** has 30 years of experience in technology innovation and commercialization, engineering leadership, strategic business development, partnering with suppliers and engineering companies, and operational optimization in the refining, upstream and chemical industries. Wolff's focus has been primarily in the development, optimization, scale-up and commercialization of process technologies and products. Wolff has implemented Stage Gate project management infrastructure at Merichem, Enhanced Biofuels and TETRA Technologies. Wolff holds an MS in Chemical Engineering and is responsible for the overall development of Origin's plants from design to fabrication.



**Scott J. Wright** is the Division President of Huntsman Advanced Materials. Wright was appointed to this position in June 2016. Prior to that time, Wright served as Vice President of Huntsman Advanced Materials — Europe, Africa and the Middle East since 2011. Before joining Huntsman's Advanced Materials division, Wright spent 15 years in Huntsman's Pigments division in a number of roles of increasing responsibility — including product development, business planning, marketing and sales. Prior to joining Huntsman in July 1999, Mr. Wright worked with ICI.





**Uday Turaga** brings 18 years of industry experience gained at ConocoPhillips, ExxonMobil, Booz & Company, and ADI Analytics. He specializes in corporate strategy, market research, economic analysis, competitive intelligence, and technology assessments with rich domain expertise spanning oil and gas exploration, production, and refining, coal and power, and chemicals. Turaga holds a PhD in fuel science from Penn State and an MBA from the UT Austin.



**Utkarsh Gupta** is an analyst with ADI Analytics and brings experience in the oil and gas, refining, petrochemicals, reservoir management and drilling and production in the upstream sector. Prior to ADI, he was with Reliance Industries Limited. He is an expert market research professional who has used a mix of primary and secondary research to size segments, understand the economics, and competitive landscape of the crude, natural gas and NGL market. He holds M.S. in petroleum engineering from University of Houston, and B.S. in chemical engineering from BITS Pilani, India.



**Panuswee Dwivedi** is an analyst with ADI Analytics and ADI Chemical Market Resources. She brings experience in the oil and gas, reservoir evaluation and management, and drilling and production in the upstream sector. She is a research professional who has used a mix of primary and secondary research to size segments, understand the economics, and competitive landscape of the crude and natural gas, across the value chain. She holds M.Sc. in petroleum engineering from University of Houston, and B.Tech. in petroleum engineering from Pandit Deendayal Petroleum University, India, with internship experience in production engineering from Oil and Natural Gas Corporation, India.



**Jacqueline Unzueta** is an analyst with ADI Analytics and brings experience in the specialty chemicals industry and industrial gases industry. Unzueta holds B.S. degree in Chemical Engineering from the University of Houston. She interned as a Chief Resilience and Recovery for the City of Houston. She worked at Air Products Headquarters in Allentown, PA where she was a part of the Equipment Condition Monitoring team. Lastly, she was a Process Safety Intern for Kuraray in Bayport, Texas. She worked on-site at a polyvinyl alcohol plant to fortify their safety culture and improve their risk management strategies. She also designed an ethylene glycol plant using process simulation software during her last year of college.



**Thomas Dennis** is an analyst who holds a bachelor's degree in petroleum engineering from Texas A&M University. He brings experience as a former project engineer with Galley Support Innovations as well as with the Student Engineering Council at Texas A&M where he has spent time designing new workflow models to better streamline manufacturing processes, as well as researching and designing potential solar powered battery home systems.



## FlexPO+ Partners



The global chemical company that never stops its transformation to build the best-ever chemical portfolio. SK Global Chemical Americas located in Houston, TX, creates the new future of the chemical industry toward its customers and markets. The SK Group was founded in 1962 and is headquartered in Seoul, South Korea. In 1972, SK Group built a naphtha cracking facility capable of 100,000 tons a year the first of its size in Korea, laying the groundwork for the nation's development in the petrochemical industry. Since then, SK Global Chemical has been supplying a wide range of raw and supplementary materials that the customers and markets need. Through continuous facility investment, R&D and global business expansion, SK Global Chemical is maintaining its position as the nation's leader in the petrochemical industry and has been renamed to SK Geo Centric, as it moves to transform its business portfolio to focus more on eco-friendly products such as recyclable plastics. For more information, please visit <http://eng.skgeocentric.com/>



Sulzer is a global leader in fluid engineering. We specialize in pumping, agitation, mixing, separation and purification technologies for fluids of all types. Our customers benefit from our commitment to innovation, performance and quality and from our responsive network of 180 world-class manufacturing facilities and service centers across the globe. Sulzer has been headquartered in Winterthur, Switzerland, since 1834. For more information, please visit <https://www.sulzer.com/en>



CISTAR is the name of a newly funded National Science Foundation (NSF) Engineering Research Center (ERC). The acronym stands for Center for Innovative and Strategic Transformation of Alkane Resources. The ERC brings together researchers from five premier U.S. research universities and industrial collaborators from more than a dozen companies to focus on developing breakthrough solutions to more effective conversion of America's shale derived light hydrocarbon resources. The center will focus on developing novel modular technologies that more efficiently convert the light hydrocarbons to advanced fuels and petrochemicals. These technologies will provide a bridge to a sustainable future where renewables replace shale resources as the hydrocarbon resources. For more information, please visit <https://cistar.us/>

## ADI Chemical Market Resources' Offerings

### Consulting

Discover and capture opportunities, solve problems, and help businesses thrive amid uncertainty with CMR's market research and management consulting services



### Research

Track markets with CMR's multi-client reports



### Analytics

Inform workflows with CMR data, models, and analytics

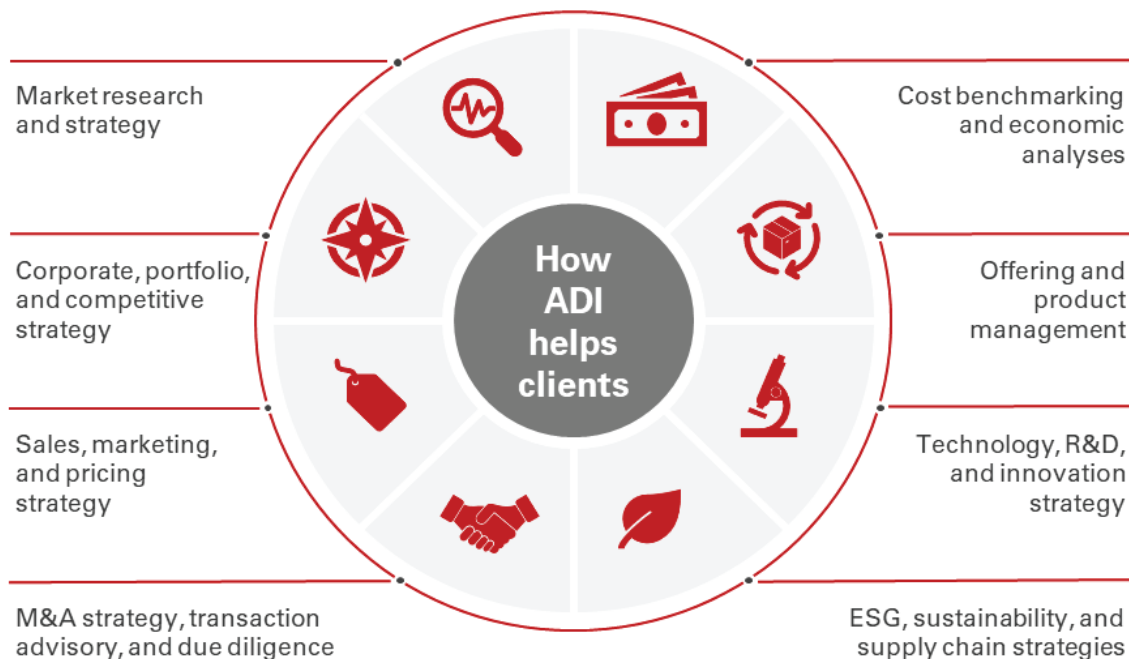


### Forums

Build a strategic view and network at our conferences



























## ADI Chemical Market Resources' Consulting Services



## ADI Chemical Market Resources' Clients

Diversified Chemicals						Materials	EPC	Investors
								
								
Commodity Chemicals								
								
								
						Industrial Gases		
								
Specialty Chemicals						Early-stage		
								

## ADI Chemical Market Resources' Multi-Client Reports

	<a href="#">Global polypropylene market assessment</a>		<a href="#">Global polyethylene catalysts</a>		<a href="#">Global polyolefin elastomers and plastomers</a>
	<a href="#">Global EPR and EPDM market assessment</a>		<a href="#">Global linear alpha olefins (LAOs)</a>		<a href="#">Global acid copolymers and ionomers</a>
	<a href="#">Global tie layer resins</a>		<a href="#">Global SBS and SEBS adhesives and sealants</a>		<a href="#">Global HDPE and MDPE</a>
	<a href="#">Global polyolefins in automotive industry</a>		<a href="#">Global high melt strength polypropylene</a>		<a href="#">Global vinyl acetate monomer derivatives</a>
	<a href="#">Global styrene block copolymers</a>		<a href="#">China ethylene and polyethylene</a>		<a href="#">Global polyacetals</a>
	<a href="#">Global elastomeric polyolefins</a>		<a href="#">Global polyolefin foams</a>		<a href="#">Global LDPE and high EVA copolymers</a>
	<a href="#">Global polypropylene fibers</a>		<a href="#">Global polypropylene films</a>		<a href="#">Global MMA and PMMA</a>
	<a href="#">Global polyolefin catalysts</a>		<a href="#">Global High EVA copolymers</a>		<a href="#">Global high-pressure LDPE</a>

## ADI Chemical Market Resources' Recent Consulting Projects

Global **oilfield polymers and chemicals** market study

Global **pyrolysis oil pricing** intelligence

Technology assessment for **PET recycling plant** in North America

Due diligence for a new **polypropylene plant** in North America

Due diligence on polymer-based **oilfield chemical** producer

Sales growth strategy for leading **chemical logistics** provider

**Cross-linked polyethylene** market and competitive assessment

Feasibility study for new **polyolefin elastomer** plant in Asia

Feasibility study for new **polyolefin elastomer** plant in Asia

Technology due diligence on **specialty polyolefin catalyst** vendor

Market growth strategy for **phosphorus-based chemicals distributor**

**Tie-layer resins** market and technology assessment

**C3-based polyolefin elastomer and plastomer** cost benchmarking

Market and competitive landscape on **solution and emulsion SBR**

**Hot melt adhesives** value chain analysis and entry strategy

**Linear alpha olefins** market assessment and growth strategy

**High-pressure ethylene copolymer** market assessment

**Polyolefin elastomer and plastomer** market strategy

**Ionomers and ethylene copolymers** market outlook

**Styrene-based polymer markets** in adhesives and medical products

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**Linear alpha olefins** market assessment and growth strategy

**High-pressure ethylene copolymer** market assessment

**Polyolefin elastomer and plastomer** market strategy

**Ionomers and ethylene copolymers** market outlook

**Styrene-based polymer markets** in adhesives and medical products



**Save the date!**

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