





ADI Analytics OIL & GAS • ENERGY • CHEMICALS



ADI Chemical Market Resources (CMR) brings deep expertise and rich experience in commodity and specialty chemicals

Bulk chemicals		Polymers		Specialty Chemicals						Inorganic materials	
				Additives		Formulations		Fine chemicals		morganic materials	
Bulk chemicals	Industrial gases	Bulk resins	Polymeric membranes	Antioxidants	Flame retardants	Adhesives / sealants	Paper chemicals	Agro- chemicals	Flavors & fragrance	Advanced ceramic materials	Inorganic specialties
Bulk petro- chemicals	Inorganic bulk chemicals	Commodity polymers	Poly- urethanes	Biocides	Inorganic fillers	Inks and coatings	Leather chemicals	Cosmetic chemicals	Food ingredients	Catalysts	Fibers
Fertilizers		Engineering plastics	Synthetic rubber	Coating additives	Lubricating oil additives	Concrete admixtures	Rubber processing chemicals	Enzymes	Pharma- ceuticals	Electronic chemicals	Rare earths
		Composites	Water soluble polymers	Adhesive resins	Plastic additives	Explosives & blasting agents	Specialty coatings	Feed additives	Pharma excipients	Inorganic bulk pigments	
		Polyolefins	Polyolefin plastomers	Commodity surfactants	Specialty surfactants	Industrial & institutional cleaners	Synthetic dyes				
		Styrene- block copolymers	Ionomers	Corrosion inhibitors		Thermal fluids	Synthetic lubricants				
		Polyolefin elastomers				Mining chemicals	Textile chemicals				
		Polyols				Oilfield chemicals	Water mgmt.				

Over 350 chemical industry clients including Fortune 500 brands, mid-sized firms, start-ups, and investors have engaged CMR

Diversified Chemicals

















Materials



EPC



Investors









Commodity Chemicals







































































[®]Butamax^{*}





Diversified Chemicals























ADI Analytics is a consulting firm serving oil & gas, energy transition, chemical, and industrial clients



Our value proposition – expertise, proven experience, thought leadership, and analytics – is designed to help clients succeed

Deep, frontline industry expertise



Nearly 1,000 projects for 350+ clients since 2009

Differentiated thought leadership

Proprietary analyticsand data-driven

Organizations accelerate their priorities with ADI's consulting services, subscription research, data analytics, and conference





Research

Track markets with ADI's subscription research



Analytics

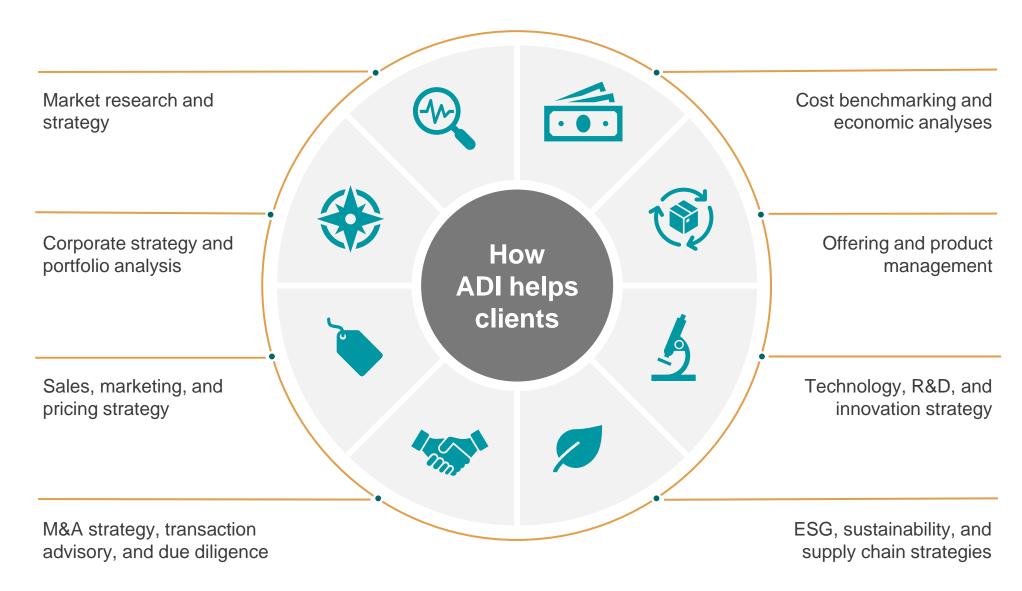
Inform workflows with ADI data, models, and analytics



ADI Forum

Build a strategic view and network at our conference

Clients shape strategy, grow sales, refine costs, drive deals, and build competencies with ADI's management consulting services



ADI's structured and rigorous approach is built on our deep expertise and rich industry knowhow in energy and chemicals











Upstream

- Oil basins / shale plays
- Exploration trends
- Completion strategies
- Production services
- Oilfield services
- Offshore operations
- Digital and automation
- Oilfield waste mgmt.
- Wastewater treatment
- Oilfield equipment
- Oilfield chemicals
- Enhanced oil recovery
- Upstream technology
- Asset valuations
- Country assessments

Midstream

- On/offshore pipelines
- Gathering & process.
- Gas processing plants
- NGL fractionators
- Oil, LPG, NGL exports
- Ethylene exports
- Ethane rejection
- LNG project feasibility
- Condensate splitters
- Midstream equipment
- Compressor services
- Drag reducing agents
- Corrosion inhibitors
- Sulfur removal units
- Methane emissions

Downstream

- Refining markets
- Refinery operations
- Fuel demand / supply
- Fuel trading and retail
- IMO 2020 regulations
- Fuel product export
- Auto regulations
- Crude-to-chemicals
- Process automation
- Refining catalysts
- Process licensors/EPC
- H2S scrubbers
- Wastewater treatment
- Small-scale GTL / LNG
- Fuel / lube additives

Chemicals

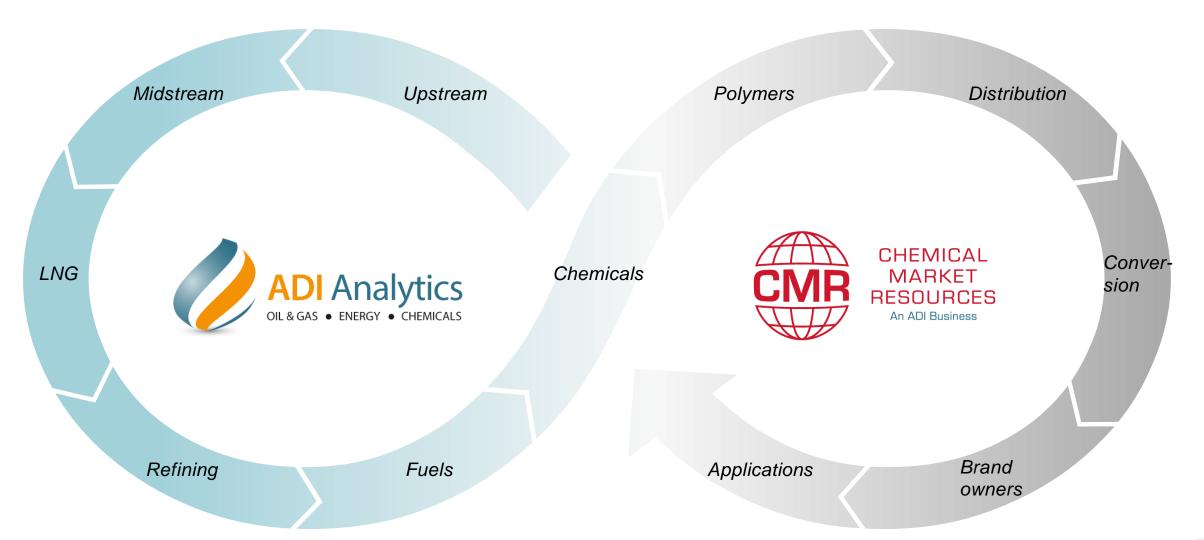
- Olefins and aromatics
- Polyolefins / plastics
- Flexible packaging
- Styrene-block copoly
- Ethylene value chain
- Propylene value chain
- C4 value chain
- Pygas and derivatives
- Bio-based chemicals
- Oxo-chemicals
- On-purpose olefins
- Methanol / ammonia
- Specialty tolling
- Electronic chemicals
- Specialty amines

Energy transition

- Coal-/gas-fired power
- Solar and wind
- Steam turbines
- Micro gas turbines
- Small modular nuclear
- Geothermal and EGS
- Distributed generation
- Power systems
- Transmission
- Li-ion batteries
- Energy storage
- Boiler feed pump
- Demand response
- Smart meters
- Microgrids

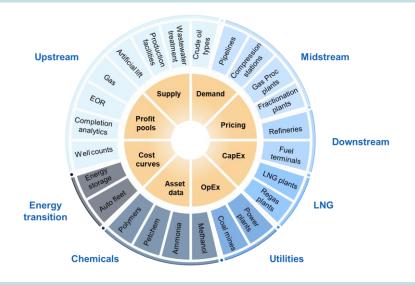


With the acquisition of Chemical Market Resources, ADI's expertise now covers the entire hydrocarbon value chain

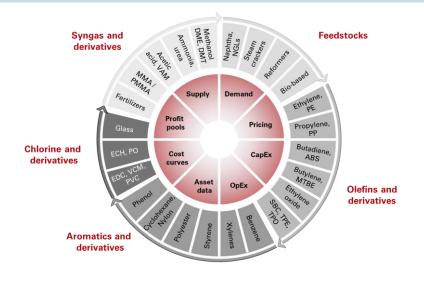


Finally, ADI databases and subscription research services will shape our work with the latest intel, forecasts, and insights

Oil & Gas



Chemicals & Polymers



ADI's subscription research services







Direct air capture



Jet and aviation fuel



Green cement 🏲



Climate solutions



Small-scale LNG



Marine Fuels

ADI consistently exceeds client expectations in project delivery, client service, and satisfaction



"Work directly with firm partners ... high-quality work products."

- Alex Rozenfeld, VP, Ventures, Shell



"Lots of oil & gas expertise. Very analytically driven. Better customer service."

- Vikki Dunn, CMO, GE Oil & Gas



"The best about ADI is their ability to drill into a specialized area."

- Johanna Schmidtke, Director, Saudi Aramco



"Very diligent, very detailed ... went the extra mile."

- Elliott Smith, VP, Strategy, Voith



"They've been outstanding. ADI is very thorough, very professional. They deliver a lot of good insights right out of the gate."

- Randy Benson, VP, Sales, Harsco



"The thoroughness of ADI's research is phenomenal."

- Steve Woodward, SVP, Antero Resources



"ADI did a great job to help us think and advance in making our investments."

- Meghan Leggett, Principal, White Deer



"ADI has very deep market knowledge and access to the right experts and delivered very successful projects."

- Brian Orkin, Partner, Arsenal Capital Partners

ADI Chemical Market Resources' recent work has helped chemical companies address a wide range of strategic issues

	Strategic Projects	Tactical Projects
Strategic planning	Sourcing strategies for acrylates, ionomers, and acid copolymers for a <u>leading plastics producer</u>	Options-based market entry strategy for levulinic acid technology start-up in plasticizers, coatings, and adhesives
M&A support	Growth strategy with acquisition target and joint venture partner identification and profiling for oxo-alcohols player	Led market- and customer- focused due diligence on pipeline chemicals firm for chemicals-focused private equity firm
Costs and economics	Ethane sourcing strategy with cost, economic, and logistical feasibility for Asian petchem major	Technology, cost, and economic feasibility of on-purpose C3-4 olefins for <u>U.S. chemical major</u>
Market research	Ethylene derivatives market sizing and growth assessment opportunities for large private equity firm	U.S. NGL supply scenarios with cost models and pipeline logistics from shale plays for Canadian plastics producer
Technology strategy	Innovation strategy, R&D performance benchmarking, and organization design for Asian chemical major	Technology application and growth opportunities in oilfield chemicals for polyol / polyurethane player
Competitive intelligence	Improved competitiveness of specialty chemicals firm by analyzing peers and refining customer engagement	Peer adoption use-cases and analysis of digital solutions and Industrial Internet of Things (IIoT) for chemical major

Stay ahead of the curve with market intelligence, forecasts, and analysis from CMR's 55+ multi-client studies



Global SBS and SEBS adhesives and sealants



Global linear alpha olefins (LAOs)



Global acid copolymers and ionomers



Global tie layer resins



Global polvethylene catalysts



Global HDPE and MDPE



Global polyolefins in automotive industry



Global high melt strength polypropylene



Global vinyl acetate monomer derivatives



Global styrene block copolymers



China ethylene and polyethylene



Global polyacetals



Global elastomeric polyolefins



Global polyolefin foams



Global LDPE and high EVA copolymers



Global polypropylene fibers



Global polypropylene films



Global MMA and PMMA



Global polypropylene catalysts



Global polyolefin elastomers and plastomers



Global high-pressure LDPE



Build a strategic view of oil & gas, energy transition, and chemicals with executive perspectives at the ADI Forum





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