



# ADI Analytics

OIL & GAS • ENERGY • CHEMICALS



# ADI Analytics is a consulting firm serving oil and gas, energy, and chemical companies with passion, expertise, and rigor



# Our value proposition—expertise, analytics, and flexible, cost-effective services—is designed to help clients succeed



Lead with frontline **industry expertise**



Drive with data and **proprietary analytics**



Support clients **flexibly and cost-effectively**

# Fortune 500 and mid-sized companies, start-ups, investors, and governments have hired us to shape decisions globally

ExxonMobil



Honeywell

KKR

FLEXGEN<sup>®</sup>  
POWER SYSTEMS



Santos

NOVA  
Chemicals<sup>®</sup>

EMERSON<sup>™</sup>

Altira

cirisenergy



Air Liquide

B&W  
thebabcock&wilcoxcompany

ELLIOTT<sup>®</sup>

agilyx



Lubrizol

Gardner  
Denver

Riverside

Butamax<sup>™</sup>

ConocoPhillips

TODD

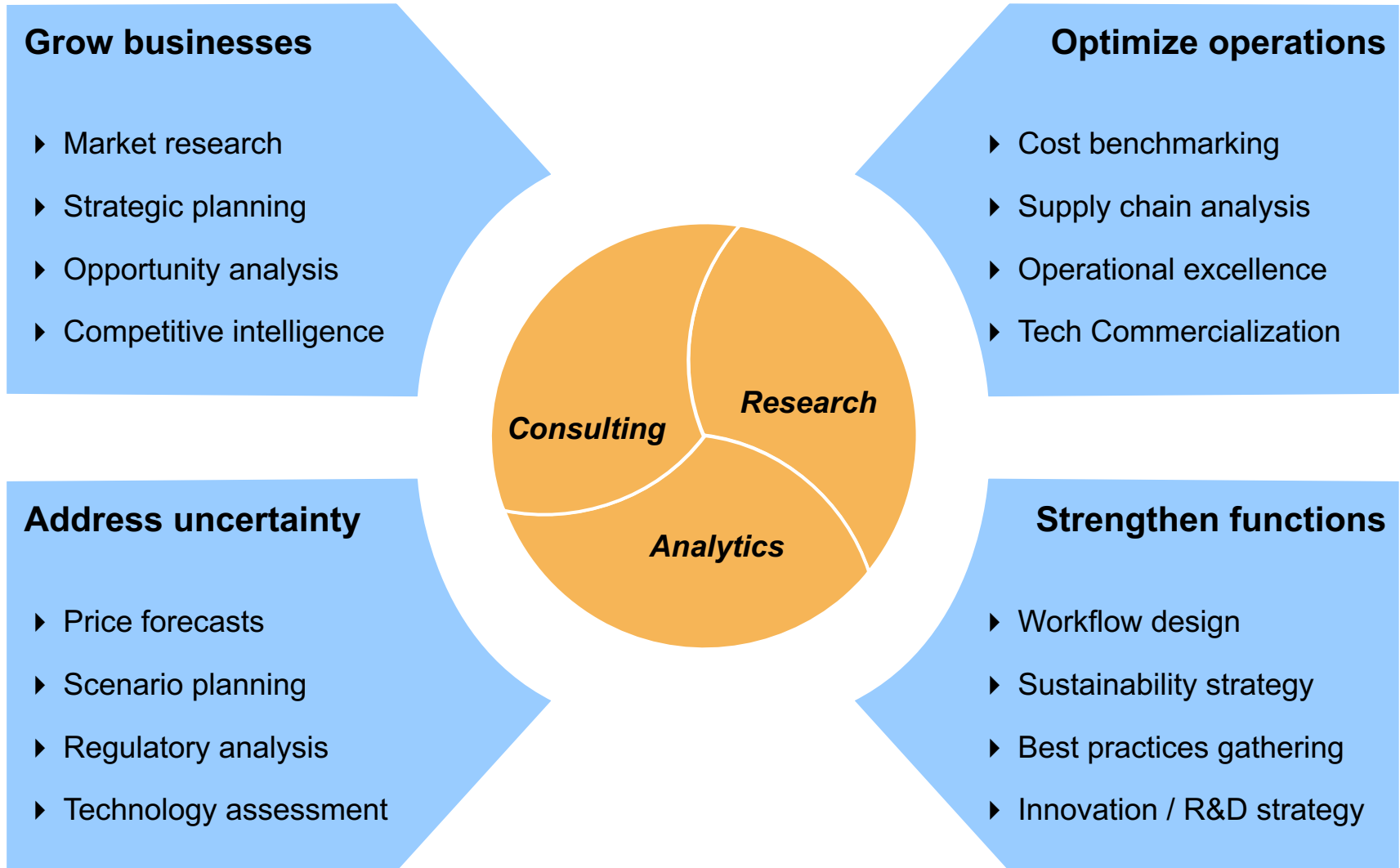


AECOM

Arsenal



# Our consulting offerings help businesses grow, address uncertainty, improve operations, and strengthen functions



# Over eight years, ADI has served 100+ clients through 250+ consulting projects in oil and gas, energy, and chemicals

## OILFIELD SERVICES

- ▶ Forecasted OCTG pricing for vendor
- ▶ Evaluated new drilling tech for US DOE
- ▶ Sized “green” drilling fluids for OFS player
- ▶ Sized oil spill market for new tech start-up
- ▶ Led oilfield tanks due diligence for PE firm
- ▶ Surveyed sourcing trends for proppant firm

## UPSTREAM / E&P

- ▶ Listed ops excellence ideas for NOC
- ▶ Audited upgrader for oil sands producer
- ▶ Sized Australian CBM for new EOR firm
- ▶ Studied energized fracs use for tech firm
- ▶ Designed R&D strategy for oil / gas major
- ▶ Planned CSR / HSE / GA strategy for E&P

## MIDSTREAM / LNG / GAS MONETIZATION

- ▶ Reviewed floating LNG tech for NOC
- ▶ Benchmarked large / small GTL for VC
- ▶ Sized pipeline coatings market for VC firm
- ▶ Analyzed gas monetization plans for major
- ▶ Ranked 15 NA LNG projects for Japan firm
- ▶ Forecasted Asian LNG demand for licensor

## SHALE GAS / TIGHT OIL / UNCONVENTIONAL RESOURCES

- ▶ Sized waste disposal strategies in shale basins for E&P firm
- ▶ Estimated economic benefits of shale gas for a state agency
- ▶ Analyzed resource and players in Argentina shale for investor
- ▶ Analyzed resource and players in US shale basins for investors
- ▶ Designed fit-for-purpose operational model for new shale gas BU
- ▶ Conducted scenario planning on fracking regulations for E&P firm
- ▶ Developed shale gas JV plan and identified partners for Asian E&P
- ▶ Identified operational and innovation gaps in Marcellus shale for PE

## DOWNSTREAM / FUELS / REFINING

- ▶ Led licensor selection plan for refiner
- ▶ Valued 20 refineries for Asian investor
- ▶ Forecasted fuel regulations for licensor
- ▶ Sized catalyst market for chemical major
- ▶ Analyzed sustainability indices for refiner
- ▶ Reviewed asphalt / bitumen trends for user

## BIOFUELS / ALTERNATIVE ENERGY

- ▶ Optimized ethanol blending for refiner
- ▶ Estimated LCAs of biofuels for start-up
- ▶ Benchmarked power trains for automaker
- ▶ Framed bio-oil pricing strategy for start-up
- ▶ Assessed LNG as diesel substitute for VC
- ▶ Benchmarked 20 biofuel techs for oil major

## CHEMICALS / MATERIALS

- ▶ Forecasted butadiene supply for lube firm
- ▶ Screened C4-5 investments for Asian firm
- ▶ Estimated NGL supply for Canadian major
- ▶ Studied carbon black market for tire maker
- ▶ Identified white spaces in sulfur for US firm
- ▶ Modeled ammonia/methanol IRRs for NOC

## COAL / MINING

- ▶ Valued Australian mine for coal major
- ▶ Assessed coal monetization for EPC firm
- ▶ Led ops improvement for Asian coal miner
- ▶ Studied polygeneration with IGCC for DOE
- ▶ Sized Asian met coal demand for US miner
- ▶ Evaluated rare earth substitutes for VC firm

## POWER / ELECTRICITY

- ▶ Assessed 6 CCS techs for coal fleet owner
- ▶ Profiled demand response market for utility
- ▶ Benchmarked energy storage techs for VC
- ▶ Analyzed smart grid standard for India govt
- ▶ Modeled coal / gas economics for end user
- ▶ Forecasted gas demand for power for NOC

## RENEWABLE POWER / CLEANTECH

- ▶ Benchmarked battery techs for PE firm
- ▶ Assessed green building techs for NIST
- ▶ Sized US offshore wind market for EPC
- ▶ Developed India strategy for solar player
- ▶ Studied geothermal supply chain for DOE
- ▶ Modeled LCOE of all renewables for DOE

# Clients can also monitor markets and accelerate decisions by subscribing to our research services and industry reports

## North America Natural Gas Research Service

### Focus Areas

- ▶ LNG capacity
- ▶ Power / electricity
- ▶ Fuels (GTL, MTG)
- ▶ Price sets/linkages
- ▶ Gas supply/demand
- ▶ Methanol / chemicals
- ▶ Transport (CNG/LNG)

### Key Analytics

- ▶ Technology appraisals
- ▶ Review firm strategies
- ▶ Project profiles, returns
- ▶ Supply, demand, pricing
- ▶ Costs, economics, IRRs
- ▶ Competitive landscapes
- ▶ Regulatory/policy watch

### Deliverables

- ▶ Biweekly briefs
- ▶ Quarterly calls
- ▶ Annual summary
- ▶ Data spreadsheets
- ▶ Expert team access
- ▶ Subscriber workshops

### Subscriber Benefits

- ▶ Quick, cost-effective
- ▶ Rigorous, fact-based
- ▶ Enable decision focus
- ▶ Independent expertise
- ▶ Collaborative, actionable

## Multi-Client Reports

### Refueling North America with LNG



### Prospects for bio-based chemicals



### Options for gas monetization



### Innovation needs in shale gas



### Economics of CO<sub>2</sub> utilization



### Small-scale LNG opportunities



### Technologies to reduce gas flaring



### Ranking LNG export projects



### Strategic outlook for biofuels



### Monetizing natural gas liquids (NGLs)



# Finally, ADI's expert team offers creative and insightful thought leadership in oil and gas, energy, and chemicals



## *iEnergy Blog*

Weekly updates and hundreds of insightful posts on oil and gas, energy, and chemicals



## *Viewpoints*

ADI experts have presented at ~70 panel sessions, conferences, and company board meetings globally



## *Media Citations*

We have been quoted in *NPR*, *Bloomberg*, *AFR*, and news and trade media around the world



## *Events*

ADI holds the *North America Natural Gas & NGL Forum* annually in Houston, TX





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