

*Responsible Alpha is a minority-owned EU-North American based B corp "public benefit corporation" whose team has over 200 years' direct global sustainability consulting experience in their careers deploying billions in sustainable capital. Responsible Alpha is proudly owned by its staff, advisors, and board members.*

## ENERGY TRANSITION

Oil and gas companies face \$1.3 trillion in stranded asset risk by 2030 while needing to maintain cash flows during the energy transition. Investors demand credible net-zero strategies, regulators impose carbon pricing, and stakeholders expect measurable decarbonization progress. Our Assess > Build > Cultivate methodology delivers actionable transition strategies: scenario-based capital allocation models, diversification roadmaps with IRR projections, and stakeholder frameworks that preserve social license while optimizing asset portfolios.

## SUCCESSES

- **\$108 Billion Oil and Gas Debt Restructuring Plan:** Developed "Harvest Model" shifting from 1.65M to 1.15M barrels/day by 2030 and advised on improving margins from \$21.5/bbl to \$35.4/bbl. Created financial framework targeting \$10 billion to \$15 billion debt reduction and 25% to 30% emissions intensity improvement through operational optimization.
- **Infrastructure Municipal Bond Climate Risk Assessment:** Conducted annual comprehensive climate physical and transition risk analysis on a \$393 million 30-year infrastructure municipal bond forecasting 22% loss of principal, demonstrating the importance of integrating climate analytics into financial decision-making.
- **U.S. Chemical Coast Climate Risk Analysis:** Analyzed climate vulnerabilities across 84% of U.S. plastics production facilities concentrated along the Gulf Coast, assessing physical risks from extreme weather events, sea-level rise, and temperature changes. Our modeling identified critical infrastructure vulnerabilities and supply chain disruption scenarios, providing petrochemical companies with quantitative risk assessments for strategic planning and resilience investments.
- **U.S. German Bilateral Hydrogen Economy and Industrial Applications:** Co-facilitated and moderated US-German policy dialogue on hydrogen infrastructure, industrial decarbonization applications, and cross-Atlantic supply chain development for energy companies pursuing hydrogen strategies.
- **Asset Manager Energy Transition Integration:** Served as senior sustainability analyst for across 41 funds including green bond, water, and clean energy funds, leading oil and gas and petrochemicals sector analysis supporting energy transition across all funds.
- **Energy Transition Green Bonds Investment:** On investment committee for leading energy transition green bonds fund.

## TRUSTED BY



Responsible Alpha partners with all organizations on their transition to a net positive economy by 2050

### CONTACT US

Web responsiblealpha.com  
E-Mail gthoumi@responsiblealpha.com  
Phone +1 (612) 327 0189

Vienna • Washington, DC



Certified



Corporation

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