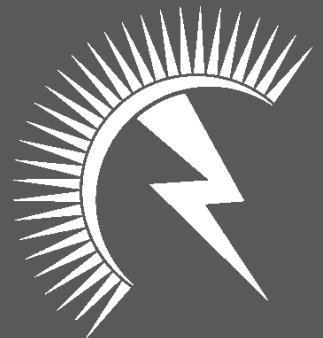


CORPORATE PROFILE

QAMAR ENERGY

'18-'19



ROBIN MILLS, CEO

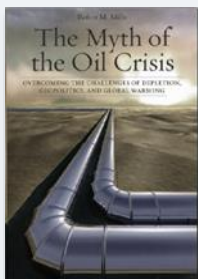


Robin is an expert on Middle East energy strategy and economics, described by Foreign Policy as "one of the energy world's great minds".

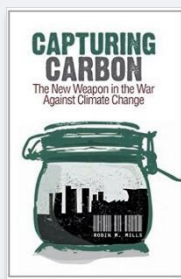
He is the author of two books, *The Myth of the Oil Crisis* and *Capturing Carbon*, columnist on energy and environmental issues for Bloomberg and The National, and comments widely on energy issues in the media, including the Financial Times, Foreign Policy, Atlantic, CNN, BBC, Sky News and others.

He is a Senior Fellow with the Iraq Energy Institute.

He holds a first-class degree in Geology from the University of Cambridge, and speaks five languages including Farsi and Arabic.



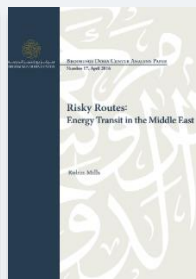
THE MYTH
OF THE OIL CRISIS



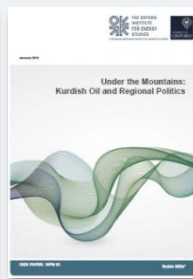
CAPTURING
CARBON: THE
NEW WEAPON IN
THE WAR
AGAINST
CLIMATE
CHANGE



SUNRISE IN THE
DESERT: SOLAR
BECOMES
COMMERCIALY
VIALE IN MENA
*PwC/Emirates Solar
Industry Association*



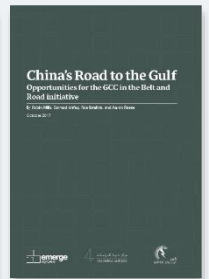
RISKY ROUTES:
ENERGY TRANSIT
IN THE MIDDLE
EAST
Brookings Institution



UNDER THE
MOUNTAINS:
KURDISH OIL &
REGIONAL
POLITICS
*Oxford Institute for
Energy Studies*



GLOBAL
GOVERNANCE OF
CARBON CAPTURE
& STORAGE: ROLE
FOR THE GCC?
*Emirates Diplomatic
Academy*

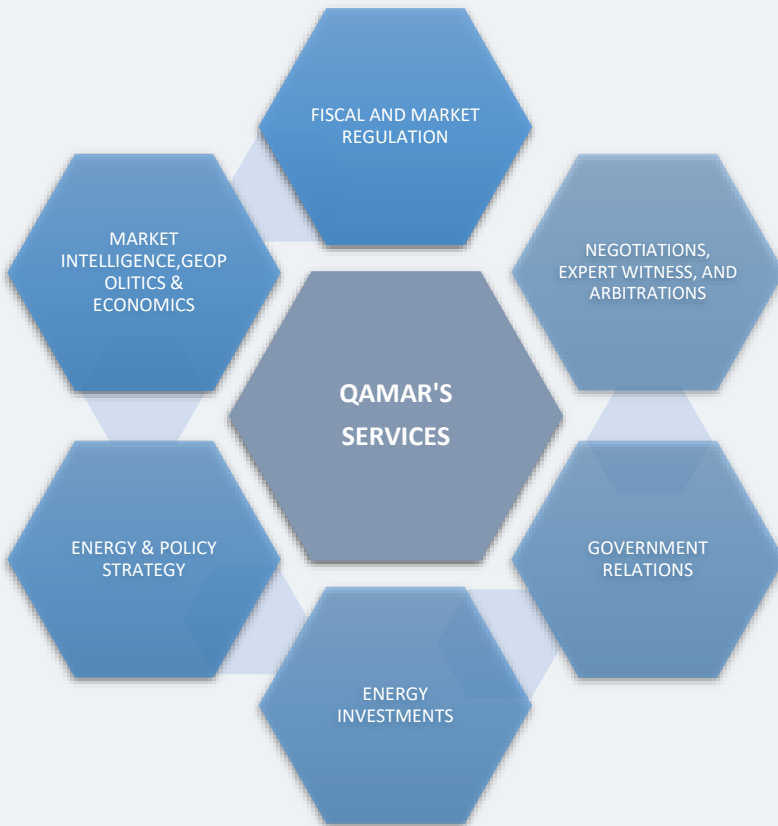


CHINA'S ROAD TO
THE GULF:
OPPORTUNITIES
FOR THE GULF IN
THE BELT-AND-
ROAD INITIATIVE
Delma Institute



QAMAR ENERGY PROVIDES LEADING-EDGE STRATEGY, COMMERCIAL AND ECONOMIC CONSULTING ACROSS THE ENERGY SPECTRUM

OUR SERVICES



OUR PROFESSIONALS HAVE OVER 25 YEARS OF EXPERIENCE IN THE ENERGY SPECTRUM.

ALTERNATIVE ENERGY

1. Market analysis, supply and demand dynamics
2. Calculations of optimal mix of renewable energy and conventional energy
3. Carbon capture and storage specialists
4. Solar power economics
5. Energy efficiency recommendations, policy analysis, and required execution enablers
6. Negotiations, expert witness, and arbitrations

ELECTRICITY

1. Country monitoring and market analysis
2. Supply and demand forecasts of electricity
3. Existing infrastructure capacity and forecasts
4. Electricity price analysis (historic and forecasted)
5. Negotiations, expert witness, and arbitrations

UPSTREAM

1. Geopolitics and geo-economic analysis
2. Upstream country monitoring and market intelligence
3. Majors, Independents, National Oil Company and Oil Service Company strategies
4. Oil and natural gas supply and demand dynamics and forecasts
5. Brownfield and greenfield E&P opportunity identification and negotiation
6. Commercial feasibility studies
7. Negotiations, expert witness, and arbitrations

MIDSTREAM

1. Energy routes: geopolitical analysis, risk assessment and mitigations
2. Mapping of existing and required infrastructure capacity to meet domestic and export demand
3. LNG country/regional market analysis
4. Negotiations, expert witness, and arbitrations

DOWNSTREAM

1. Downstream country monitoring and market analysis – petrochemicals, refining and fuel retail
2. Fuel retail strategies
3. Subsidy analysis, country benchmarking and recommendations
4. Forecasted prices of petroleum products, and gas benchmarked against competitors
5. Petrochemical industry commerciality and strategies
6. Negotiations, expert witness, and arbitrations



OUR TEAM OF RESEARCHERS COMBINES OUR EXPERIENCE ACROSS THE ENERGY VALUE CHAIN WITH SPECIALISED MARKET INTEL.

OUR EXPERIENCE



UPSTREAM

1. Energy policy, strategy and governance for a UAE government entity covering oil, gas, electricity, renewable energy and efficiency
 2. In-depth analysis of UAE's gas sector outlook with the introduction of new power generation methods (renewables and nuclear)
 3. Quarterly updates on oil and gas production, outlook and political situation in the Middle East
 4. Quarterly updates on OPEC's current and future strategies, intra-OPEC competition and exports
 5. Due diligence for investors partnering with Saudi Arabia and Kuwait energy companies
 6. Monthly updates on energy developments and implications for IOC operating in Middle Eastern country and strategic recommendations on business development, lobbying and government relations services
 7. Monthly reports on energy sustainability and efficiency to GCC think tank
 8. Analysis of the government takes and IRR of E&P projects across all MENA
 9. Study of the oil storage market in the UAE and surrounding region
 10. Analysis of a Middle Eastern country's oil and gas production forecasts up to 2035 by different scenarios, expected start-up and CAPEX requirements of new fields
 11. Country analysis reports on North Africa's economic, political and energy developments including oil and gas production, new project timelines, and domestic energy security challenges.
 12. Study of the outlook for corrosion-resistant alloys in oil country tubular goods (OCTG)
 13. Study on the East Mediterranean gas industry: supply-demand balance and forecasts, prices, regulation and politics
 14. Detailed study of the gas, oil and energy markets in Iraq, Iraqi Kurdistan, Turkey, and strategy development for commercialisation of discoveries and export routes; forecasted oil and gas production to 2035
 15. Study of the market for hydraulic fracturing projects & services in the MENA region
 16. Study of E&P opportunities in the MENA region
 17. Advice to investors on Middle East oil and gas developments
 18. Extensive fieldwork in Baghdad and Erbil on improving EU-Iraq energy relations
 19. Field research in Middle Eastern country on LNG operations
-



MIDSTREAM

1. Study of Middle East gas export options
 2. Study of Middle East/North Africa gas pricing methodologies
 3. Expert witness for two Middle East gas arbitrations
 4. Exclusive report on opportunities for the GCC in the Belt-and-Road initiative including investment outlooks – current and future – and detailed analysis of stress scenarios for both China and the GCC
-



DOWNSTREAM

1. Study on a Middle Eastern petrochemical market, existing and planned capacity, forecasted supply and demand and gas feedstock supply
 2. Historical and forecasted refinery capacity, supply and demand by consumer, and pricing for crude oil and refined products in Federal Iraq, Iraqi Kurdistan and Turkey. Analysis of market fundamentals and dynamics of supply and demand in each country
 3. Assessment of downstream infrastructure market for a Gulf government and recommendation of options to improve transportation and distribution with required enablers
-



ALT. ENERGY

1. Landmark report on the prospects for carbon capture and storage in MENA
 2. Report on the global and Gulf governance of carbon capture and storage
 3. Advice on UAE's Green Growth initiative, creating federal/emirate-level strategy for balancing economic growth with environmental and social aspirations
 4. Widely-discussed report in cooperation with PwC and the Emirates Solar Industries Association, on the new competitiveness of solar photovoltaic power in the Middle East
-



ELECTRICITY

1. Electricity capacity, supply and demand forecasts for the East Mediterranean region
 2. Electricity capacity, supply and demand forecasts for Federal Iraq, Iraqi Kurdistan, and Turkey by power plant and fuel type
 3. Electricity price analysis (historical and forecasted) in the Middle East
-



ARABIA MONITOR ENERGY:

A Collaboration Between
Arabia Monitor & Qamar Energy

ARABIA MONITOR ENERGY

Oil and gas tensions in the Middle East continue to influence the volatility of the world's energy markets. The Arabia Monitor Energy, a novel collaborative effort by Qamar Energy and Arabia Monitor, combines macroeconomics, geopolitics and energy intelligence to explain what the region's energy geo-economics mean for business.

WHAT SETS IT APART?

1. INSIDE OPEC

Focussed assessment of the month's OPEC developments, policy advancements and strategies.

2. NOC & IOC ANALYSES

Examination of factors affecting NOC and IOC policies, and their impact on regional diversification schemes.

3. SPOTLIGHT THIS MONTH

Targeted reading of the geopolitical, macroeconomic and energy landscape of a MENA country utilising our specialised energy intel.

4. SCENARIOS TO WATCH

Detailed forecast of global oil developments and their impact on the risks and opportunities for MENA's oil production.

5. STRATEGIC IMPLICATIONS

Concise summary of major oil trends and their effect on investment strategies under bearish, bullish, and wobble scenarios.

6. OUTLOOK FOR THE YEAR

Cohesive outlook of the oil production, gas production, renewable energy projects, and geopolitics of key MENA countries.

WHO BENEFITS?

ENERGY TRADERS

- What factors will contribute to oil and gas price fluctuations?
- What is the outlook for oil and gas pricing?
- What is the outlook for OPEC's production and export strategy?
- How are NOCs adapting their oil marketing strategies?

INVESTMENT AND RISK ANALYSIS

- What are the operational risks and investment opportunities in MENA?
- How do economics, politics, government policy changes, production and export bottlenecks contribute to risk mitigation?

UPSTREAM FIRMS

- What are the chief economic, political and fiscal regime factors driving/limiting upstream investment decisions and progress?
- What are the oil supply outlooks for the countries by project?

DOWNSTREAM FIRMS

- What are the demand challenges, patterns, and trends for oil and oil products?

NATIONAL OIL COMPANIES

- What are future oil and gas pricing trends?
- What developments will intensify or weaken demand?
- What are IOCs' incentives and drawbacks in operating in the country?

ALTERNATIVE / RENEWABLE ENERGY ORGANISATIONS

- What are the challenges to renewable energy targets?
- What is the progress of major renewable energy projects?
- Are there opportunities for more entrants?

THE DELIVERABLES

8 MONTHLIES

- Oil Price Scorecard
- Headline Developments
- Spotlight this Month
- Scenarios to Watch
- Projects in the News
- Macro Dashboard for Oil Exporters/Importers
- Outlook for the year

4 QUARTERLIES

- MENA Map as per Political Grouping
- Map of New Licensing Rounds
- Political & Regional Security Issues
- Oil & Gas Prices Outlook
- Global Barriers to Oil & Gas Production
- Deep Dive into OPEC & NOPEC
- MENA Energy Investments
- MENA Energy Fiscal System
- MENA Energy Upstream Bidding map
- MENA Economic Outlook
- Probability Scorecard for Bearish & Bullish Oil Supply/Demand
- Investor Implication Scenarios (Under 3 Oil Price Dynamics)

For Further Information, Contact Us On:

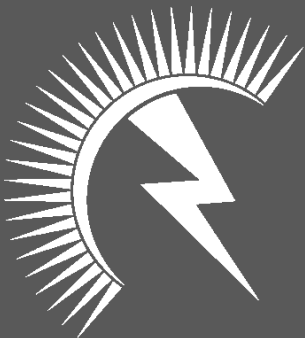
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Qamar Energy provides leading-edge energy strategy, commercial and economic consulting across the energy spectrum.

www.qamarenergy.com

Arabia Monitor
Economic Research and Strategy





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