



The Abdullah Bin Hamad Al-Attiyah
International Foundation for
Energy & Sustainable Development



~ CEO Roundtable Series ~
February 27, 2018
*Energy Efficiency:
Best Strategies to Leverage Oil
and Gas Production in the Gulf?*

Theme:

Energy Efficiency: Best Strategies to Leverage Oil and Gas Production in the Gulf?

A streamlined value chain is no longer optional – it is the life blood of Gulf energy companies' competitive strategy. Energy efficiency, along with the rise of natural gas and renewables, has climbed to the top of energy stakeholders' agendas. According to the International Energy Agency (IEA), global investment in energy efficiency grew in 2016 on the previous year by %9, to 231\$ billion. And unsurprisingly. The 'lower for longer' oil price – now heading into a third year – put the global spotlight on streamlining costs while bolstering output. Re-jigged payrolls, unprecedented subsidy reforms, nurtured intellectual champions of an innovative future and soaring corporate appetite for digital tools as part of the 4th

Industrial Revolution are just the beginning. Efforts are paying off. The world would have used %12 more energy in 2016 had it not been for energy efficiency improvements since 2000 – the equivalent of another EU on the global energy map. But many more efficiencies must – for economic and environmental security – be explored. The Middle East's swelling population, rising energy consumption – up by %49 by 2030 – and thickening environmental rulebook means speed and sustainability are paramount. What are the top 5 energy efficiency strategies to ensure 2018 is noted in the history books for unrivalled progress? As automotive entrepreneur Henry Ford said: "If you always do what you did, you'll always get what you got."



► TALKING POINTS

- The UAE helped kickstart the region's subsidy cuts, starting with petrol in August 2015, saving \$7bn a year. How can such efforts be a) extended and b) integrated with other energy efficiency measures? Is progress happening quickly enough? Where lie black holes of inaction? And how to plug them in 2018?
- Energy efficiency of oil and gas exploration & production (E&P) barely reaches 20%, compared to the 60%+ for modern power generation. The 'explosion' of the US' efficient and flexible shale market highlights an Achilles' heel. The top 3 digital strategies to unlocking similar economic value in oil/gas?
- 82% of wastewater, including produced water, a major component in oil/gas extraction, is not recycled in the Middle East and North Africa. Best strategies for energy firms to increase re-use, thus reducing fuel for water transport, bolstering energy security and accelerating production? Industry to lead the charge?
- Global sales of electric vehicles (EV) rose by 40% in 2016. How can the Gulf's energy industry be a more central player in this conversation in terms of how it impacts energy efficiency? Global oil savings in passenger transport in 2016 equated to the 3.6m b/d that Japan consumes. Such savings would be gold dust to Gulf countries.
- Around 68% of global energy use remains uncovered by mandatory efficiency policy. How to tighten up the architecture to promote energy efficiency in the Gulf? Main players taking the lead?



Roundtable Participants

THE FOUNDATION BOARD OF TRUSTEES

Chairman	H.E. Abdullah Bin Hamad Al-Attiyah
Vice Chairman	H.E. Dr. Ibrahim Ibrahim, Economic Adviser at Amiri Diwan
Board Member	Saad Sherida Al-Kaabi, President & CEO, Qatar Petroleum
Board Member	Hamad Rashid Al-Mohannadi, Senior Advisor, Qatar Petroleum
Foundation MD	Reda Ibrahim Ali

ConocoPhillips Qatar Ltd.	Todd Creeger	President
Dolphin Energy Ltd.	Hassan Al-Emadi	General Manager – Qatar
Marubeni Corporation	Toshiaki Hato	Managing Director – Doha
Qatar Airways	Akbar Al Baker	CEO
Qatar Chemical Company Ltd. (Q-Chem)	Nasser Jeham Al Kuwari	CEO
Qatar Electricity & Water Company (QEWC)	Fahad Hamad Al Mohannadi	General Manager and Managing Director
Qatar Shell	Andrew Faulkner	Managing Director & Chairman of Qatar Shell Companies
Sasol Qatar	Phinda Vilakazi	President, GTL Ventures
Texas A&M University at Qatar	Dr. César O. Malavé	Dean
Qatar Fuel Additives Company Limited (QAFAC)	Khalid Sultan Al-Kuwari	CEO
GlassPoint Solar	Marwan Chaar	VP, Project Development
Qatar Green Building Council	Dr. Alex Amato	Head of Sustainability
Thomson Reuters	Nawied Jabarkhyl	Presenter and Producer

AGENDA

Tuesday, February 27, 2018 – The Four Seasons Hotel, Doha, Qatar

Topic: Energy Efficiency: Best Strategies to Leverage Oil and Gas Production in the Gulf?

10:00 AM	Coffee and Networking
10:30AM	Roundtable Discussion
12:15	PM Lunch

ROUNDTABLE FEATURED SPEAKERS



Marwan Chaar

Vice President of Project Development, GlassPoint Solar

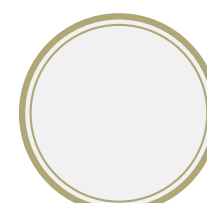
Marwan is the VP of Project Development at GlassPoint Solar, the leader in solar energy for the oil and gas industry. He leads new project development in the Middle East and played an instrumental role in developing the Miraah project, currently under construction in Oman. He joined GlassPoint from GE, having spent time on the business development team, exploring strategic partnerships in the Gulf region, and on the mergers and acquisitions team. Previously, he worked in project development for Crescent Petroleum, the Middle East's oldest private oil and gas company, FuGu Energy, an energy efficiency company he co-founded; and, DC Energy, a leader in electricity trading. Marwan holds master's degrees in mechanical engineering and business from Stanford University and Harvard Business School.



Alexandre Amato

Head of Sustainability, Qatar Green Building Council

Dr. Alex Amato has over 40 years' experience in the construction industry. He has worked in both the private and public sectors in the UK, SE Asia and now in the Middle East. His work covers a wide gamut, from design, to construction, product development and research. He has worked in architectural practice and academia. In Qatar he spent the first three years providing sustainable consultancy but for the last five years he has held the position of Head of Sustainability at the Qatar Green Building Council, part of Qatar Foundation. Here he has helped deliver an expanding research and education programme. In particular the development of the first Passivhaus in the GCC Region, and research with Texas A&M University, He has also taught at Hamad bin Khalifa University (HBKU) where he delivered an introductory course to sustainability and a module on sustainability in the built environment in 2015/16 and in 2017 to the executive Masters course on Energy and Resources and to the school of law in the Faculty of Islamic Studies.



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MODERATOR – Nawied Jabarkhyl

TV Presenter and Correspondent, Thomson Reuters

Nawied Jabarkhyl is a TV Presenter and Correspondent at Reuters. Having set up operations for Reuters Broadcast Solutions in Dubai, Nawied oversees live programming and custom content for the team from the region. Born and raised in London to Afghan parents, Nawied has spent almost a decade in total in the Middle East, and has reported on major events including the fallout of the war in Syria, the Formula One Abu Dhabi Grand Prix, and the 2017 Gulf diplomatic crisis. Based in the UAE since 2012, Nawied's previous experience includes stints at BBC London, as well as Gulf News Broadcasting and CNN International in Abu Dhabi. His time in the region has coincided with one of the most tumultuous periods in the Middle East's history; the effects of which continue to be felt all over the world – from the instability in Iraq and Syria, to the refugee and migrant crisis, to oil prices. As part of his current role at Reuters, Nawied focuses on the growing ties between China and the Arab World, through his reporting for CGTN. Fluent in Farsi (Persian) and with a basic knowledge of Pashto, Nawied maintains strong ties to Afghanistan. He's also a keen sports fan and is still waiting for the day Liverpool FC reclaim the Premier League title.



About the Foundation & Board of Trustees



The Abdullah Bin Hamad Al-Attiyah International Foundation for Energy and Sustainable Development is a non-profit organization established to preserve and build upon H.E. Al-Attiyah's 40 years of service in the energy industry. His legacy includes important roles in a variety of senior leadership positions within the Government of Qatar and the international community on issues confronting humanity, including climate change and sustainable development.

The Board consists of distinguished past and present figures and influencers from Qatar's oil and gas industry. They all served with H.E. Al-Attiyah during the transformation of the oil and gas industry in Qatar.

OUR MISSION

To provide robust and practical knowledge and insights on global energy and sustainable development topics and communicate these for the benefit of the Foundation's Members and community.

OUR VISION

To be an internationally respected independent think tank that is a thought leader focused on global energy and sustainable development topics.

H.E. ABDULLAH BIN HAMAD AL-ATTIYAH *Chairman*

Born in Qatar in 1952, H.E. Al-Attiyah has more than 30 years of experience in the energy industry and has served in several senior leadership positions within the government of Qatar.

In 1992, H.E. Al-Attiyah was appointed Minister of Energy & Industry and Chairman and Managing Director of Qatar Petroleum, before being entrusted with the additional responsibility of Second Deputy Prime Minister in 2003. Four years later, H.E. was elevated to Deputy Prime Minister, and in 2011 was appointed Chief of the Amiri Diwan. H.E. Al-Attiyah has also served as Chairman of Qatar's Planning Commission, and was elected as Chairman of the United Nations Commission on Sustainable Development in 2006; and the President of 18th Session of UNFCCC Climate Change Conference (COP18/ CMP8), Doha in 2012.



During his illustrious career, Al-Attiyah has been bestowed a number of awards and honours including the Grand Cross in the Order of the Orange Nassau conferred by Her Majesty Queen Beatrix of the Kingdom of Netherlands, and the Grand Cordon Order of the Rising Sun awarded by His Imperial Majesty Emperor of Japan in recognition of his contribution in promoting bilateral relations between Qatar and Japan.

On December 20th 2011, HE Al-Attiyah was also conferred the Necklace of Independence award by HH Sheikh Hamad bin Khalifa Al Thani, the Emir of the state of Qatar, for his salutary contribution towards Qatar's commitment to transparency in business and governance and for his efforts towards the progress of the national economy.

THE FOUNDATION BOARD OF TRUSTEES

Chairman	H.E. Abdullah Bin Hamad Al-Attiyah
Vice Chairman	H.E. Dr. Ibrahim Ibrahim, Economic Adviser at Amiri Diwan
Board Member	H.E. Ali I. Al-Naimi, Advisor to the Royal Court, Saudi Arabia
Board Member	H.E. Abdulaziz Ahmed Al-Malki, Qatar's Ambassador to Italy
Board Member	Saad Sherida Al-Kaabi, President & CEO, Qatar Petroleum
Board Member	Hamad Rashid Al-Mohannadi, Senior Advisor, Qatar Petroleum
Board Member	Nasser Khalil Al-Jaidah, Board Member, Qatar Petroleum
Foundation MD	Reda Ibrahim Ali



FOUNDATION BOARD OF TRUSTEES



H.E. Dr. Ibrahim Ibrahim
Economic Adviser at Amiri Diwan and Foundation Vice Chairman

H.E. Dr. Ibrahim Ibrahim is the Economic advisor at Amiri Diwan and the Secretary General for the General Secretariat for Development Planning. Dr Ibrahim sits on a number of Boards; Vice Chairman at RasGas and Qatar Gas Companies Limited, Qatar Development Bank; and as member of Qatar Central Bank, Qatar Foundation Advisory Board, Qatar Petroleum and Supreme Council for Economic Affairs and Investment. He served as Associate Professor Business, Economics and Quantitative methods at University of Hawaii, Director of OAEPC and Senior Economist at Oxford Institute for Energy Studies. Dr Ibrahim holds a Ph.D. from New York University and is recipient of awards from Abdulla Bin Hamad Al-Attiyah, MEED, Oil & Gas Magazine, CWC World Energy Summit, Qatar International Business Women Forum and the UN National Human Rights Committee.



H.E. Ali I. Al-Naimi
Advisor to the Royal Court, Saudi Arabia and Foundation Board Member

H.E. Ali I. Al-Naimi is Advisor to the Royal Court, Saudi Arabia. He is a world authority on energy. H.E. Al-Naimi was Minister of Petroleum and Mineral Resources for the Kingdom of Saudi Arabia (1995–2016), and primary architect of OPEC strategy. He helped to create the International Energy Forum, that is key to improved producer-consumer dialogue. He led the Kingdom's UN delegations on climate change and remains a champion of solar energy, and carbon capture and sequestration. Al-Naimi was Chairman of the Board of Saudi Aramco from 1995–2015, the first Saudi CEO of the company (1988) and the company's first Saudi President (1984). In 2006, Al-Naimi led the development of King Abdullah University of Science and Technology (KAUST), where he remains Chairman of the Board of Trustees. He holds a degree in geology from Lehigh University (US) and a Masters in hydrology and geo-economics from Stanford University (US). His memoir, Out of the Desert, was published by Penguin Random House.



H.E. Abdulaziz Ahmed Al-Malki
Qatar's Ambassador to Italy and Foundation Board Member

HE Abdulaziz Bin Ahmed Al-Malki, as of March 2015, is the new Qatar Ambassador to Italy. He was the Director of the Office of the President of Administrative Control and Transparency Authority, and formerly the General Coordinator for COP18/CMP8 and Chairman of its Executive Organizing Committee, with the rank of minister. H.E. Al-Malki also held a number of high-level positions, including Deputy Chairman of Katara Hospitality (a progressive luxury hospitality organization), Director of the Office of the Deputy Prime Minister and Director of the Office of the Chairman of the Amiri Diwan and Deputy Prime Minister. His other previous roles included Chairman of Amwaj Catering Company and Chairman of Qatar Fertilizer Company (QAFCO), which was founded in 1969. QAFCO strives to work in an environmentally responsible manner by ensuring that its work does not pollute the environment and that waste is recycled. Its environmental strategy has earned it several awards, including the 1998 GCC award for industry compliance with environmental standards, and a Qatar Today green award for its work in raising public awareness of green initiatives. H.E. Al-Malki, who has a BA in Business and Economics from St Marten's University in the US, has more than 25 years of experience in business, with a strong background in the energy sector, public relations and protocol services. He began his career at Qatar Petroleum.



Saad Sherida Al-Kaabi
President & Chief Executive Officer, Qatar Petroleum and Foundation Board Member

Saad Sherida Al-Kaabi, President & CEO, Qatar Petroleum Mr. Al-Kaabi joined Qatar Petroleum in 1986 as a student studying Petroleum & Natural Gas Engineering at Pennsylvania State University (PENN STATE) in the USA. In 1991 he graduated with a Bachelor of Science (BSC) degree in Petroleum & Natural Gas Engineering. Immediately after graduation, he joined Qatar Petroleum's Reservoir & Field Development Department where he progressed through various petroleum engineering, technical, commercial and supervisory positions. He then became the Manager of Gas Development, responsible for North Field management and development, where he and his team played a key role in the rapid launch of many mega gas projects based on the most up-to-date technologies, which were implemented in record time making a major contribution towards Qatar's rapid rise to becoming the LNG and GTL capital of the world; as well as, several large Gas pipeline projects domestically and for export. From 2006 until his current appointment, Mr. Al-Kaabi was Director of the Oil & Gas Ventures Directorate where he was overseeing all of Qatar's Oil and Gas fields developments; as well as, all the exploration activities in Qatar. Engineer Saad Sherida Al-Kaabi was appointed as the Managing Director of Qatar Petroleum, with responsibility for the management of the entire company, as per the Emiri Decree Number (66) of 2014.



Hamad Rashid Al-Mohannadi
Senior Advisor, Qatar Petroleum and Foundation Board Member

Mr Hamad Rashid Al Mohannadi joined RasGas Company Limited as Managing Director on 29th April 2007. He has been a board member of Ras Laffan Liquefied Natural Gas Company Limited since 1993. Prior to joining RasGas, from 1992, he was General Manager at Qatar Petrochemical Company (QAPCO), responsible for its growth and expansion for 16 years. In addition to this position, from 2005, he assumed the responsibilities of General Manager of QATOFIN. Mr Al Mohannadi has a wealth of experience in the energy industry, having spent over 32 years working in companies such as the National Oil Distribution Company before joining RasGas. Since 2009, he has been an active member of the Board of Trustees of Qatar University and was recently appointed by His Highness Sheikh Tamim bin Hamad Al Thani as Chairman of the Board. In addition, Mr Al Mohannadi is the Deputy Vice Chairman of QP, IQ and QVC and Chairman of the Board at several high profile companies such as QAPCO, QATOFIN AND QAFAC. He is also an active board member for Qatar Electricity & Water Company, and is an Advisory Board Member of the Bilateral US-Arab Chamber of Commerce. He holds a Bachelor's degree in Applied Engineering Science (General Science) from Portland State University, USA.



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Nasser Khalil Al-Jaidah
Board Member, Qatar Petroleum and Foundation Board Member

Nasser Al Jaidah is a graduate of Geology and Petroleum Engineering. He joined Qatar Petroleum in 1977. Currently he holds the position of chief executive and a board member of Qatar Petroleum International (now part of QP), board member in Qatar Petroleum and board member of Industries Qatar. During the last 30 years, Al Jaidah has assumed many responsibilities at Qatar Petroleum in various positions, where in 1985 he became Petroleum Engineering Manager, in 1989 Technical Manager, in 1991 Manager of Exploration and Production and in 1994 Director of Oil and Gas ventures. Mr. Al Jaidah is a member of Qatar Gas Board, and vice chairman of Qatar Gas Executive Committee, Vice Chairman of Qatar Fuel Additives Company, Vice Chairman of Tasweeq. Member of Society of Petroleum Engineers (SPE), the American Association of Petroleum Geology (AAPG), member of the Advisory Council (Parliament), State of Qatar and member of the Provisional Arab Parliament.



Reda Ibrahim Ali
Managing Director, Abdullah Bin Hamad Al-Attiyah International Foundation for Energy & Sustainable Development

Reda Ibrahim Ali holds a Bachelor's degree in Computer Information System with a minor in Business Administration from University of Wisconsin, USA and Master Degree in International Management from University of Phoenix, USA. During the last 23 years, Mr. Ali has assumed many responsibilities at Qatar Petroleum (QP) in various positions. He joined QP in 1990 as Programmer Analyst at the Information Technology Department; in 1993 Senior Information Analyst at Corporate Planning Department; in 1996 Head of Information Analysis at Corporate Planning Department; in 2006 Assistant Manager of the Business Environment Division at Corporate Planning Department; in 2009 Manager of Energy Policy and International Relation Department. In 2012 Mr. Ali was appointed to Project Direct COP18 (Climate Change Conference) and in 2014 he was appointed as an Advisor at QP Managing Director's Office. In addition, Mr. Ali Project Directed the implementation of Enterprise Resource Planning (ERP) for Qatar General Electricity and Water Corporation "KAHRAMAA" (from 2000 to 2003); and Project Directed the 20th World Petroleum Congress (from 2010 to 2011).



The Abdullah Bin Hamad Al Attiyah
International Energy Awards



May 7th, 2018
Sheraton Grand Doha Resort
& Convention Hotel, Qatar



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