

# GLOBAL WATER Sustainability Center

**ConocoPhillips**



**2017  
2018**

**ConocoPhillips Qatar**

Corporate Social Responsibility Report

[www.conocophillips.qa](http://www.conocophillips.qa)



**Ryan Lance**, Chairman and Chief Executive Officer and Chairman of ConocoPhillips, meets His Highness **Sheikh Tamim bin Hamad Al Thani**, Amir of the State of Qatar.



## The President's Message

From our home in Qatar, I am proud to present the ConocoPhillips Qatar (COPQ) 2017-2018 Corporate Social Responsibility (CSR) Report. At COPQ, we practice CSR through active and responsible engagement. Guided by our SPIRIT Values – Safety, People, Integrity, Responsibility, Innovation, and Teamwork – we strive to set the standard for responsible civic engagement in the community where we operate. As the President of the only international oil company in the Middle East which operates solely in Qatar, I join the ConocoPhillips Executive Leadership Team in extending our gratitude to the people of this country for the commitment and resilience they have shown this past year. Ryan Lance, chairman and CEO of ConocoPhillips, has met with His Highness (HH) the Amir of Qatar Sheikh Tamim bin Hamad Al Thani on multiple occasions in Qatar and the U.S., fostering relationship building and inspiring us to further consolidate our efforts of knowledge sharing.

The ConocoPhillips Global Water Sustainability Center (GWSC) continues to be a valuable resource for our stakeholders in Qatar and around the world. The GWSC has established itself as an innovative global problem solver, one which develops novel and cost-effective projects to help reduce wastewater. These efforts have earned the GWSC local recognition, as Qatar National Research Fund (QNRF) has extended grants for several ongoing research projects. The GWSC partnered with Tarsheed, Qatar's National Program for Conservation and Energy Efficiency, to celebrate World Water Day, Gulf Cooperation Council Water Week, and Earth Hour. Furthermore, the Center has offered grants and mentorship to Qatar University graduate students whose research focuses on subjects of importance to the industry.

The GWSC's efforts go hand-in-hand with our ongoing awareness campaigns and collaborative educational projects, including Kulluna. In partnership with Hamad Medical Corporation, the national health and safety awareness campaign continues to engage the local community on topics surrounding healthy living. This past year, COPQ partnered with Texas A&M University at Qatar to host the ninth annual Qatar Process Safety Symposium in Doha; facilitating fruitful discussions among professors, practitioners, and students. These are only some of the ways COPQ has worked to bridge the gap between industry and academia, as we focus on enactment and implementation.

With this being the first COPQ CSR Report post blockade, it would be imprudent not to touch on the current happenings. The geopolitical climate in the Gulf is informed by the ongoing blockade of Qatar and has led to a joint commitment from all industry sectors to support the nation's resolute stance and continued development. We have witnessed a journey of socio-economic transformation that has led to an increase in domestic production and self-reliance, as well as unprecedented unity and tenacity among residents and nationals alike.

The Gulf crisis underlines the importance of meaningful collaboration between business and community. I want to take this chance to congratulate His Excellency (HE) Saad Sherida Al-Kaabi, minister of Energy Affairs and managing director and CEO of Qatar Petroleum, for his efforts that deservedly earned him the International Oil Diplomacy Man of the Year Award during International Petroleum Week. HE Al-Kaabi announced the Qatargas-RasGas merger, creating a major consolidated entity under the name of Qatargas (QG) with leveraged negotiation power and higher production capacity. Moreover, QG announced the signing of an agreement with the Polish Oil and Gas Company (PGNiG) that stands until 2034. This agreement will increase the volume supply of liquefied natural gas (LNG) for QG, marking a new milestone for the country and strategically positioning QG for further growth. We look forward to continuing our support to QG as it realizes its full potential as the world's premier LNG company.

On behalf of COPQ, I am honored to be part of this new and exciting chapter of Qatar's oil and gas industry and am very proud to call Qatar our home in the Middle East. We pledge to continue our service towards employees, partners, and stakeholders, and to join efforts in knowledge sharing as we strive to enhance sustainable development. Inspired by Qatar's achievements and the visionary leadership of HH the Amir, we look forward to another year of service and social enrichment for the local community and beyond.

Mr. Todd Creeger  
President, ConocoPhillips Qatar



Ryan Lance, chairman and CEO of ConocoPhillips, shaking hands with His Highness the Amir of Qatar.

## Strengthening our Relationship with His Highness the Amir

ConocoPhillips actively supports the growth and sustainability of the Qatar's energy sector. In light of this, Ryan Lance, chairman and CEO of ConocoPhillips, has established a relationship of trust and mutual respect with His Highness (HH) the Amir of Qatar Sheikh Tamim bin Hamad Al Thani. In June 2017, Lance met with HH the Amir at Al Bahr Palace, Qatar, and was hosted again in Washington, D.C., USA, in April 2018 and back in Doha in December 2018. On all occasions, Lance reaffirmed the company's commitment to the current and future progress of Qatar's oil and gas industry, also discussing the significance of continued collaboration and knowledge sharing between ConocoPhillips and key stakeholders in the country.

ConocoPhillips Qatar has dedicated itself to becoming an effectual agent within Qatari society, attempting to make an impact through social engagement, and pledging resources to the local and global energy sector. Strengthening and encouraging cooperation in both industry and international relations by engaging key stakeholders remains a top priority.



Ryan Lance, chairman and CEO of ConocoPhillips, signing the traditional Tamim Al Majd portrait.



Todd Creeger (center in red) discussing operations with engineers and workers at Ras Laffan Industrial City.

## Introduction about ConocoPhillips

ConocoPhillips is the largest independent exploration and production (E&P) company in the world, based on production and proved reserves, and a proud partner of Qatargas. Headquartered in Texas, USA, the organization includes fully-functional operations and activities in 17 countries – including a business unit firmly based right here in Doha, Qatar. As of Dec. 31, 2018, ConocoPhillips boasts \$71 billion of total assets and approximately 11,100 employees.

At ConocoPhillips, we firmly believe that collaboration fuels innovation and can act as a catalyst for change in the country. In Qatar, ConocoPhillips proactively fosters meaningful relationships with key partners, stakeholders, and community members to add value as the country looks to achieve its energy and sustainability goals. We count ourselves privileged to work alongside the country's most influential establishments across the fields of education, health and safety, and sustainability.

As such, we partnered with Qatar Petroleum in 2003, on one of the largest liquefied natural gas (LNG) facilities in the world. Located in Ras Laffan Industrial City, Qatar, the site has the capacity to produce at least 7.8 million tons of LNG per year- equivalent to the volume of more than 7,600 Olympic-sized swimming pools. This knowledge-sharing collaboration is a shining example of how the State of Qatar and ConocoPhillips Qatar (COPQ) are working safely and responsibly to provide the world with the energy it needs. Several other notable collaborations – including those with the Abdullah Bin Hamad Al-Attiyah International Foundation for Energy and Sustainable Development, the Amiri Diwan, Hamad Medical Corporation, Qatar Foundation, and Qatar General Electricity and Water Corporation (Kahramaa) – are discussed at length through the course of this report.



Todd Creeger (front right) shaking hands with Dr. Yosouf Salehi, executive director of Qatar Science and Technology Park, during a Memorandum of Understanding ceremony to renew their commitment.

On an international scale, chiefly through the ConocoPhillips Global Water Sustainability Center (GWSC), we are committed to the development of water management practices that conserve and protect freshwater resources and enhance the efficiency of water utilization. We hope to continue assessing, measuring, and monitoring our freshwater usage as we actively strive to reduce the potential impact to the environment from wastewater disposal.

In recognition of our efforts in 2017-2018, the GWSC was honored with both a “Green Research Award, (Professional)” at Qatar Sustainability Week 2017, and a Qatar Green Building Council’s Sustainability Award for Professional Research in April 2018. Our steadfast support of Qatar University students was acknowledged by a trophy award received during the educational institution’s Employee Recognition Ceremony in 2017. We concluded 2018 by co-signing a Memorandum of Understanding with the Qatar Science and Technology Park – home to the GWSC – to extend our lease agreement by an additional 10-year period. This marks a great win for water sustainability in the State of Qatar, securing another decade of innovation and research.

COPQ and the GWSC endeavor to continue providing support, expertise, and research that can be leveraged and replicated on an international scale. We look forward to another fruitful year of collaborations and community enhancements.

## ConocoPhillips Qatar Vision Statement

Guided by our SPIRIT values, we will be the exploration and production partner of choice by sharing world-class technologies and expertise and pioneering a new standard of excellence to contribute towards the Qatar National Vision 2030 of human, social, economic, and environmental development.





**ConocoPhillips Qatar**  
Mission Statement

To proactively enhance the value of ConocoPhillips' partnerships in Qatar.

## SPiRiT Values

At ConocoPhillips, we attribute our success primarily to the dedication and capabilities of our people around the world. Our SPiRiT Values consist of Safety, People, Integrity, Responsibility, Innovation, and Teamwork. These commitments, coupled with the talent and drive of everyone who works with us, have created a strong, unified workplace with an exciting future ahead.

We further define and uphold our Values through a number of policies and position statements such as our Code of Business Ethics and Conduct; Health, Safety, and Environment Policy; and Diversity and Inclusion Position.



### Our Values

S	P	I	R	I	T
<b>SAFETY</b>	<b>PEOPLE</b>	<b>INTEGRITY</b>	<b>RESPONSIBILITY</b>	<b>INNOVATION</b>	<b>TEAMWORK</b>
No task is so important that we can't take the time to do it safely. A safe company is a successful company.	We respect one another. We recognize that our success depends upon the capabilities and inclusion of our employees. We value different voices and opinions.	We are ethical and trustworthy in our relationships with internal and external stakeholders. We keep our promises.	We are accountable for our actions. We care about our neighbors in the communities where we operate. We strive to make a positive impact across our operations.	We anticipate change and respond with creative solutions. We are responsive to the changing needs of the industry. We embrace learning. We are not afraid to try new things.	We have a "can do" attitude that inspires top performance from everyone. We encourage collaboration. We celebrate success. We win together.

➤ We respect one another, recognizing that our success depends upon our employees.





## Qatarization

Qatarization is a strategic initiative by the Government of Qatar to provide employment for its citizens in the private and public sectors. As one of the goals of Qatar National Vision 2030 (QNV2030), Qatarization addresses positions that are integral to the business plans of private and public-sector entities.

In line with the country's long-term objectives of Qatarization, ConocoPhillips Qatar (COPQ) is committed to providing the very best local talent with meaningful, unparalleled, and permanent employment opportunities in their chosen fields of expertise. COPQ's Human Resources function performs the fundamental role of helping to achieve the Qatarization target by identifying and nurturing the talents of Qatari nationals. As the world's largest independent exploration and production company based on production and proved reserves, our operations provide incomparable learning opportunities in which we foster knowledge transfer to local talent, building skills.

Most recently, in 2017, we appointed Mashael Mohammed Al-Maas, chemical engineer, to our ConocoPhillips Global Water Sustainability Center (GWSC). As a Qatari national graduating from Qatar University with a Chemical Engineering degree, Al-Maas is conscious that her country is in need of cultivating people with engineering skills – especially in regards to water sustainability – and knew it would make for a fascinating and diverse career path. Since joining the team, she has proven herself indispensable and has made ample contributions to our scientific research ambitions.

Qatarization is a significant investment and key commitment for ConocoPhillips in support of QNV2030's Human Development pillar and the National Development Strategy. By incorporating these objectives into our mandate, we help ConocoPhillips Qatar, and the wider region, continue to thrive.

“

As a fresh graduate, I was fortunate to enter the job market with ConocoPhillips Qatar. The wealth of challenges and independent research opportunities has propelled my personal and professional development, and skyrocketed my career to where I am today. I am humbled that each and every day I contribute to groundbreaking engineering solutions to help secure Qatar's future - my country's future. What's more, I am consistently surrounded by a full team of experts in their fields that truly want to change the world for the better.

- Mashael Al-Maas  
Chemical Engineer, ConocoPhillips Qatar

”



“

ConocoPhillips gives an aspirational generation of young Qataris a unique opportunity to gain work experience at a multinational company that stands at the forefront of our country's sustainability initiatives. As an Events and Design Specialist, I enjoy working on the variety of functions, symposiums, and lectures that we host and attend - there is never a dull day in the office!

- Hamda Al-Kuwari  
Events and Design Specialist, ConocoPhillips Qatar

”



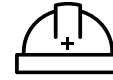
The ConocoPhillips Global Water Sustainability Center's booth at Tarsheed Carnival 2017.

## Corporate Social Responsibility (CSR) the ConocoPhillips Way

As the largest independent exploration and production company in the world, and with a business unit situated in Qatar, ConocoPhillips is sincerely committed to delivering its Corporate Social Responsibility (CSR) objectives. With a core focus on three areas – education, health and safety, and the environment – ConocoPhillips Qatar (COPQ) supports programs that are in line with Qatar's Sustainable Development Goals and Qatar National Vision 2030; endeavoring to be a responsible citizen wherever our employees and stakeholders live and work.

ConocoPhillips invests in communities around the world through charitable contributions, community engagement, volunteerism, sponsorships, and civic leadership. Guided by our SPIRIT Values, we choose to invest in programs that provide sustainable community development, benefit our stakeholders, align with our identity, and are consistent with our core values. We believe the most effective social and charitable investments are made through strategic relationships with organizations dedicated to serving our communities, day in and day out.

In addition, we recognize that our employees are the company's best ambassadors to the communities in which we operate. Therefore, we encourage and support their involvement in our social outreach initiatives.



### Health & Safety

We invest in health and safety because it is one of our core values and priorities. We are motivated to support initiatives that improve the health and safety of our employee and stakeholder base. Through our community investments, we strive to improve healthcare in targeted communities where our employees and stakeholders live and work, improve industrial and workplace safety, and advance healthy lifestyles.



### Environment & Water Sustainability

Our dedication to environmental and water sustainability underpin our commitment to social investment that develops solutions for a better tomorrow. We put a particular emphasis on finding more sustainable ways to do business, and use this research to advance the communities in which we operate to improve the lives of our employees, stakeholders, and fellow community members for the future.



### Education

Investing in education is critical to the continued development of the global workforce that will drive our economic future. We are particularly compelled to support the development of skills critical to our company's success. Through our social engagement programs, we strive to improve skills and advance research in secondary and technical education, support diversity within the talent pool of the math, science, and engineering disciplines, and improve the effectiveness of education.

## TABLE OF CONTENTS

# 22

### COMMUNITY

- 24 Introduction
- 26 Kulluna Healthy Heart Campaign
- 28 Kulluna Beat the Heat Campaign
- 30 Kulluna Qatar National Sport Day Campaign
- 32 Kulluna Ramadan Campaign
- 34 Kulluna Qatar Corporate Office Block Tours
- 36 Kulluna Home Safety School Visit Program
- 38 Kulluna The Child Passenger Safety Training Course
- 40 Kulluna's Efforts Recognized at the ITS and Future Mobility Qatar Forum

# 42

### ENVIRONMENT & WATER SUSTAINABILITY

- 44 Introduction
- 46 About the Global Water Sustainability Center an Internationally-Relevant Problem Solver
- 48 The GWSC's Water Visitor Center Shaping a Sustainable Future
- 50 Renewing our Commitment Qatar Science and Technology Park
- 52 Highlighting the Significance of Sustainability to Qatar's Youth
- 54 Participating in Qatar Sustainability Week
- 56 The Oman Humanitarian Desalination Challenge
- 58 Panel Discussion and Debate at Qatar University
- 60 The ConocoPhillips Global Environment and Sustainable Development Workshop
- 62 Sponsoring a QNRF Seminar on Biodiversity
- 64 Ongoing Research Grants and Proposals from Qatar National Research Fund

# 66

### PARTNERSHIPS & KNOWLEDGE SHARING

- 68 Introduction
- 70 Supporting Qatar University's Water Security Report
- 72 Collaboration and Mentorship Investing in Qatar's Future Leaders
- 74 Receiving an Award at Tarsheed's Sixth Anniversary Celebrations
- 76 Creating a Sustainable Future for our Citizens
- 78 Qatar University Hosts Annual Industrial Advisory Board Meeting
- 80 Leveraging our Global Expertise for Success in Qatar
- 82 Knowledge Sharing through In-House Apprenticeships
- 84 Qatar University Students Learn the Power of Corporate Social Responsibility
- 86 Outlining Applications of Membrane Technology in Student Lecture
- 88 Sharing Insights with Stakeholders and University Students
- 92 Sharing Insights with Stakeholders and University Students
- 94 ConocoPhillips Awarded for Supporting Qatar University Students
- 96 Collaborating with Professors and Researchers at Qatar University
- 98 Our Ongoing Partnership with Qatargas
- 100 Qatargas' Liquefied Natural Gas Train Support Project
- 102 Conducting a Flow Assurance Investigation with Qatargas
- 104 Hosting Human Performance Expert Dr. Todd Conklin

# 106

### BUILDING LOCAL & INTERNATIONAL RELATIONSHIPS

- 108 Introduction
- 110 Al-Attiyah Foundation's Industry CEO Roundtable
- 112 Attending the Fifth and Sixth Al-Attiyah International Energy Awards
- 116 Celebrating Graduates at Texas A&M University at Qatar's Commencement
- 120 Our Unique Relationship with Texas A&M University The Aggie Way
- 122 Texas A&M University's Mary Kay O'Connor Process Safety Center - Qatar
- 124 Strengthening U.S.-Qatar Relationships
- 128 Expanding Business Integration Efforts in Qatar

# 130

### CONFERENCES & EXHIBITIONS


- 123 Introduction
- 134 Qatar Process Safety Symposium - Doha, Qatar
- 138 Engineering with Membranes Conference - Singapore
- 140 Gastech Exhibition and Conference Tokyo, Japan
- 142 Nakilat Qatar Project Shipping Forum - London, United Kingdom
- 144 Qatargas-RasGas Engineering Forum - Doha, Qatar
- 146 World Gas Conference - Washington, D.C., USA
- 148 Qatar Foundation Annual Research Conference - Doha, Qatar
- 150 MELPRO 2018 - Prague, Czech Republic
- 152 Al-Attiyah Foundation's Senior Managers Energy Dialogue - Doha, Qatar

# 154

### PEOPLE & CULTURE

- 156 Introduction
- 158 Wishing Stakeholders a Joyful Ramadan and Eid Mubarak
- 160 Coming Together on Qatar National Day
- 164 A Successful Employee Makes a Thriving Company
- 166 The 2018 SPIRIT Award
- 168 Standing with Qatar Always

We invite all stakeholders to provide us with comments and feedback through the following channels:

 <https://www.instagram.com/conocophillipsqatar/>

 [infoqatar@conocophillips.com](mailto:infoqatar@conocophillips.com)



## COMMUNITY



## Introduction Community

ConocoPhillips Qatar (COPQ) is defined by its sense of community and engagement. Throughout the last two years, our flagship Corporate Social Responsibility (CSR) campaign, Kulluna, has renewed its public commitment to health and safety awareness initiatives that take place across schools, corporate offices, and communal awareness drives – continuing to raise awareness in our community.

Launched in partnership with Hamad Medical Corporation (HMC) in 2012, and coordinated by the Hamad International Training Center, Kulluna is a national health and safety campaign aimed at raising awareness among Qatar's population. Meaning "all of us" in Arabic, Kulluna is an inclusive program that urges the population to take actionable steps towards health and safety. The campaign's initiatives highlight preventable injuries and illnesses, improving health and safety at home, and provide the public with information about the medical services and facilities offered by HMC.

Kulluna continues to make an impact on thousands of people's lives, always looking to expand its scope and community reach. COPQ is proud to have started this wonderful initiative, bringing together local partners, and giving back to a country that has given so much to us. Looking to the future, in 2019 the campaign plans to expand its national outreach scope with the addition of Ghalai, the Qatar Child Passenger Safety Program (QCPSP), which aims to educate the public on key issues of automobile and child car safety.





Kulluna's interactive pop-up booth in action at the Gulf Mall, with shoppers undergoing a free health check.

## Kulluna Healthy Heart Campaign

The Healthy Heart campaign is the most successful Kulluna initiative addressing heart disease, obesity, and unhealthy lifestyles, all of which are recognized as leading causes of death on a global and national level. We wanted to bring these issues to the forefront in Qatar and get people thinking about their own heart health with the goal of encouraging everyone to lead a more active and healthy lifestyle.

In order to reach the wider community, the campaign has continued to work together with Hamad Medical Corporation, Qatar's national health provider, for the last seven years. To date, we have held numerous outreach activities in shopping malls, government and educational institutions, and at many public events.

Kulluna's interactive pop-up booths invite people to undergo a free health check, including tests for blood pressure, glucose, cholesterol, and body mass index (BMI). The team of healthcare experts also educates the community about the risk factors and warning signs of heart disease, and the potential lifesaving steps needed to help someone suffering from a heart attack.

The Kulluna for a Healthy Heart screening booths continue to be very popular among various sectors of the community in Qatar, a strong testament to the impact and increasing understanding of the importance of this initiative.



Members of the community participating in Kulluna's Healthy Heart campaign.



Outdoor workers showcasing their life-saving Beat the Heat kits, courtesy of Kulluna.

## Kulluna

### Beat the Heat Campaign

Building on previous years' successes, the Beat the Heat campaign continues to educate the public about signs, symptoms, and preventative techniques of heat-related illnesses. Temperatures soar during the summer months in Qatar, with blazing heat putting many at risk of severe cases of dehydration and heat exhaustion. The hazard is particularly high among those who work outdoors. In order to "beat the heat," the Kulluna team used the campaign's mobile center to visit different locations across the country, including public spaces and construction sites.

The designated mobile units passed out thousands of heat kits that contain water bottles, hats, heat-relief supplies, and educational material. During the visits, the team members were actively present to answer people's questions in five different languages (Arabic, English, Hindi, Malayalam, and Nepalese). Embodying dedication and catering to diversity, the campaign ensures symptoms are understood and spotted easily, playing a pivotal role in reducing the number of heat-related illnesses across the country.



Members of the community and volunteers participating in Kulluna's Beat the Heat campaign.



Local children and adults learning how to conduct safe CPR during Qatar National Sport Day.

## Kulluna

### Qatar National Sport Day Campaign

Introduced in 2012, Qatar National Sport Day (NSD) is designed to promote a healthy lifestyle among its residents through sports and educational activities. On the second Tuesday of every February, private and public institutions organize events across the country, with participants engaging in team activities and raising awareness of health risks.

Although unexpected rain meant that Kulluna's 2017 NSD participation was limited, the 2018 edition turned out to be a major success. Held at Katara, the Kulluna team engaged almost 1,600 diverse visitors by providing them with fun ways to exercise, while also teaching them vital cardiopulmonary resuscitation (CPR) techniques and procedures.

Kulluna's Healthy Heart campaign was also a big attraction at the event, providing attendees with health check-ups. In collaboration with the Qatar Metabolic Institute and the National Smoke Cessation Program, the campaign also helped educate participants on the risks of diabetes and smoking.



Promoting a healthy lifestyle during Qatar National Sport Day celebrations at Katara.



## Kulluna Ramadan Campaign

Every year, Kulluna launches its Ramadan campaign across the State of Qatar. The initiative is designed in collaboration with Hamad Medical Corporation's top specialists, and is focused on raising awareness on healthy fasting. It also alerts the community to any possible and avoidable side effects, such as dehydration, headaches, and overeating after the long fasting hours are over. This year, Kulluna distributed informative leaflets- in both Arabic and English- in mosques around Qatar during the Holy Month.

Ramadan is observed by millions of Muslims around the world every year. When practiced with thoughtfulness, Ramadan provides the chance to make impactful changes in one's life. Through encouraging the community to eat mindfully and adhere to healthy and balanced meals, the campaign has established itself within the local community as a welcomed health and wellness advocate.



Members of the community learning about healthy fasting at a Kulluna pop-up booth in Doha Festival City.



Todd Creeger, president, ConocoPhillips Qatar having his blood pressure and health checked in the comfort of his office.

## Kulluna

### Qatar Corporate Office Block Tours

Implementation is part and parcel of Kulluna's approach to raising awareness. The local agent of change maintained its legacy of care for a healthy lifestyle through tours to different corporate offices across Qatar. In 2017-2018, Kulluna visited 60degrees, Chevrolet Qatar, ConocoPhillips Qatar, Kahramaa, Qatar Financial Centre, and Sidra.

During the tours, the team at Kulluna set up educational and health check-up booths for staff members. Keen employees went for blood pressure, glucose, cholesterol, and body mass index (BMI) check-ups performed by Hamad Medical Corporation (HMC) professionals. Considering the busy nature of office life, Kulluna's approach proves practical. Team members spent time with the employees to explain the results and to give them any required one-on-one medical advice. Dr. Mahmoud Younis, assistant director of HMC's Hamad International Training Center and key member of Kulluna, also delivered lectures on everyday safety practices – stressing the importance that prevention is better than cure.



ConocoPhillips Qatar members taking part in health check-ups and receiving medical advice from HMC.



A Kulluna volunteer raising awareness on the importance of home safety with local children.

## Kulluna

### Home Safety School Visit Program

The Kulluna Home Safety School Visit program successfully continues to be one of the campaign's most highly-demanded initiatives across Qatar. It is focused on raising awareness within the Qatari community on different everyday situations where children's health and safety might be put at risk.

As part of the campaign, the Kulluna team has visited different government and private schools in Qatar throughout the last two academic years. During these visits, team members interact with students, teachers, schools nurses, and parents to discuss potential dangers facing children and the varying methods for resolving them.

As a strong advocate of safety, ConocoPhillips Qatar takes pride in Kulluna's efforts to instill good safety habits. Together, we create a safe environment for children and help ensure Qatar's youth stay safe and sound.



Local children learning about potential dangers in the home from Kulluna volunteers.



## Kulluna

### The Child Passenger Safety Training Course

Over the last few years, working with the Hamad Medical Corporation's Hamad International Training Center (HITC), ConocoPhillips Qatar has launched a series of training courses on the vital importance of car safety for children. The successful Child Passenger Safety Training (CPST) courses at HITC were fundamentally designed to help families find safe and practical solutions to keep their children out of harms way while on the road.

CPST courses empower community members to become valuable resources for others by learning new skills and earning a nationally-certified qualification. Due to the fact that a majority of parents do not fully understand how to use child restraints, training is in dire need to ensure that children in Qatar are adequately protected on the road.

The four-day course is open to all Qatari residents that are 18 years old and above. It connects attendees to healthcare professionals for a mixture of lectures, workshops, and practical exercises using real cars and special car seats. Kulluna also offers a related course for families of children with special needs. Most recently, our qualified CPST instructors have visited schools, malls, hospitals, and universities to provide valuable, direct, and practical advice on the use of a child's car seat and to share their newly-acquired knowledge. The CPST initiative was first launched in 2013 under the umbrella of Kulluna and in partnership with HITC and Safe Kids Worldwide.



Community members learning about the importance of child passenger safety.



The Kulluna team showcasing their Leadership Award from the ITS and Future Mobility Qatar Forum.

## Kulluna's Efforts Recognized at the ITS and Future Mobility Qatar Forum

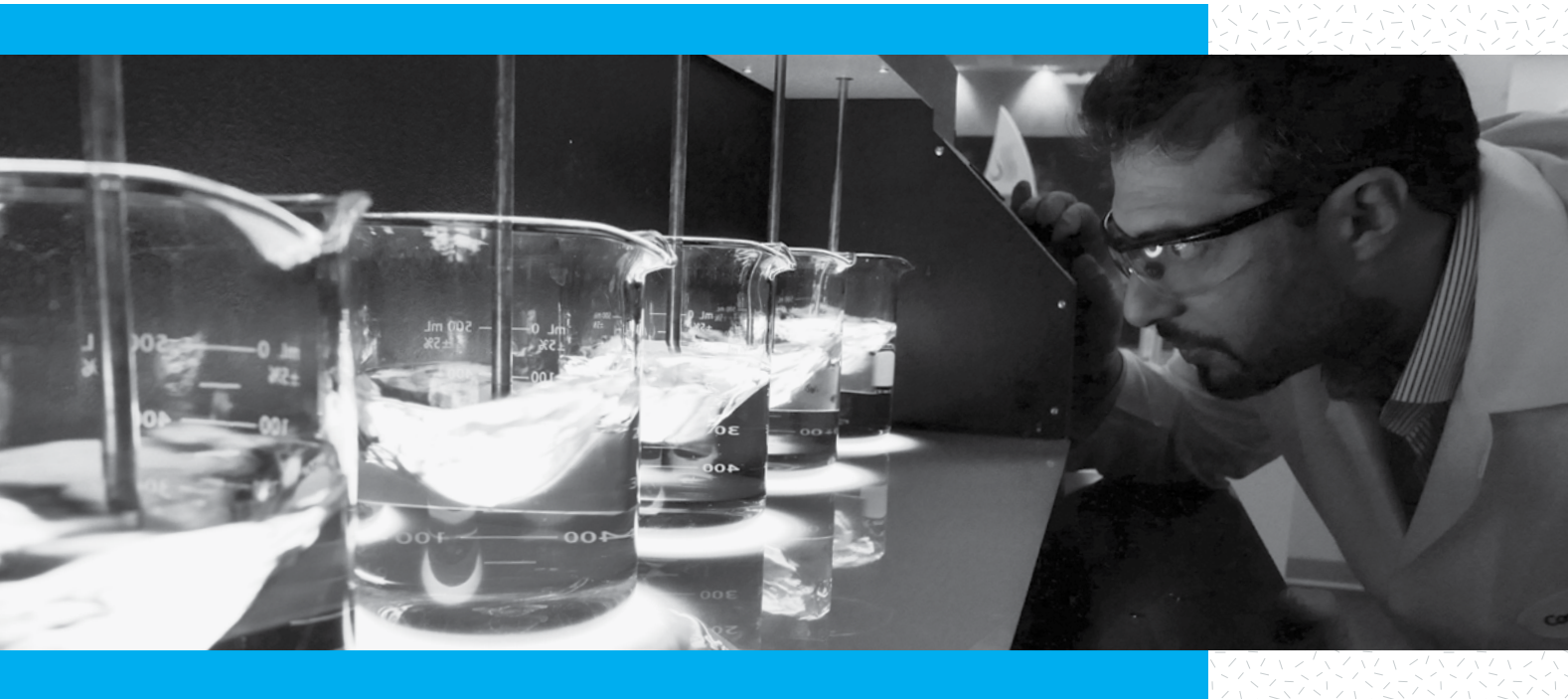
The Kulluna team at Hamad Medical Corporation's Hamad International Training Center (HITC) has continued to promote the importance of car passenger safety issues in Qatar. Through the Child Passenger Safety Technician Program- set up in collaboration with Chevrolet in 2017, and several other educational initiatives- the Kulluna team has played a key role in raising awareness towards road safety in Qatar.

Their efforts were recognized in September 2017 at the Intelligent Transport Solutions (ITS) and Future Mobility Qatar Forum. Held at the Shangri-La Hotel, the event focused on Qatar's transportation ecosystem, bringing together stakeholders across government ministries, as well as consultants and contractors. With road safety playing a vital role in Qatar's current and future transportation development, it is essential to acknowledge the individuals and initiatives that contribute to the cause. In light of this and during the awards ceremony, Dr. Khalid Abdulnoor Saifelddeen, director of HITC, was presented with the Leadership Award for Outstanding Contributions for Road Safety Initiatives in Qatar.

Road accidents in Qatar have been a leading cause of death in the country, and Kulluna's efforts in trying to minimize them are deserving of praise and recognition.



Dr. Mahmoud Younis, assistant director of Health Promotion & Community Engagement at HITC, with the Leadership Award.



## ENVIRONMENT & WATER SUSTAINABILITY



Scientists and engineers at the ConocoPhillips Global Water Sustainability Center.

## Introduction

### Environment and Water Sustainability

Environment and water sustainability remain integral to the work and Corporate Social Responsibility (CSR) goals of ConocoPhillips Qatar (COPQ). The bulk of these efforts are conducted through our designated Center of Excellence for water-related technologies, the ConocoPhillips Global Water Sustainability Center (GWSC). An integral hub of innovation, our team of highly-qualified engineers and scientists collaborate to deliver globally relevant investigative problem solving, expertise, and fit-for-purpose research, while the public Water Visitor Center promotes water conservation awareness at the community level.

From 2017-2018, members of COPQ and the GWSC attended many notable international engagements, including participation at the ConocoPhillips Global Environment and Sustainable Development workshop and the Oman Humanitarian Desalination Challenge. At home in Qatar, we were awarded the "Green Research Award, (Professional)," during Qatar Sustainability Week 2017, and continue to collaborate with our corporate and educational partners on ongoing Qatar National Research Fund projects – exploring some of the country's top research priorities.

Furthermore, the GWSC co-signed a Memorandum of Understanding with the Qatar Science and Technology Park to extend our lease agreement by an additional 10 years and secure another decade of innovation and research.



The ConocoPhillips Global Water Sustainability Center's mission to enhance sustainable industry practices and develop a comprehensive water research ecosystem continues to inspire new partnerships and research milestones. Over the last two years, we have forged new collaborations with key industry players such as Kahramaa and renewed existing ties with the likes of Qatar Science and Technology Park – our home base in Qatar! These successful and long-standing associations have enabled us to truly pave the course for future research in water-related technologies and solutions. It's an exciting and rewarding time to be working at the Center and living in Qatar.

- Dr. Samer Adham,  
Manager, ConocoPhillips Global Water Sustainability Center



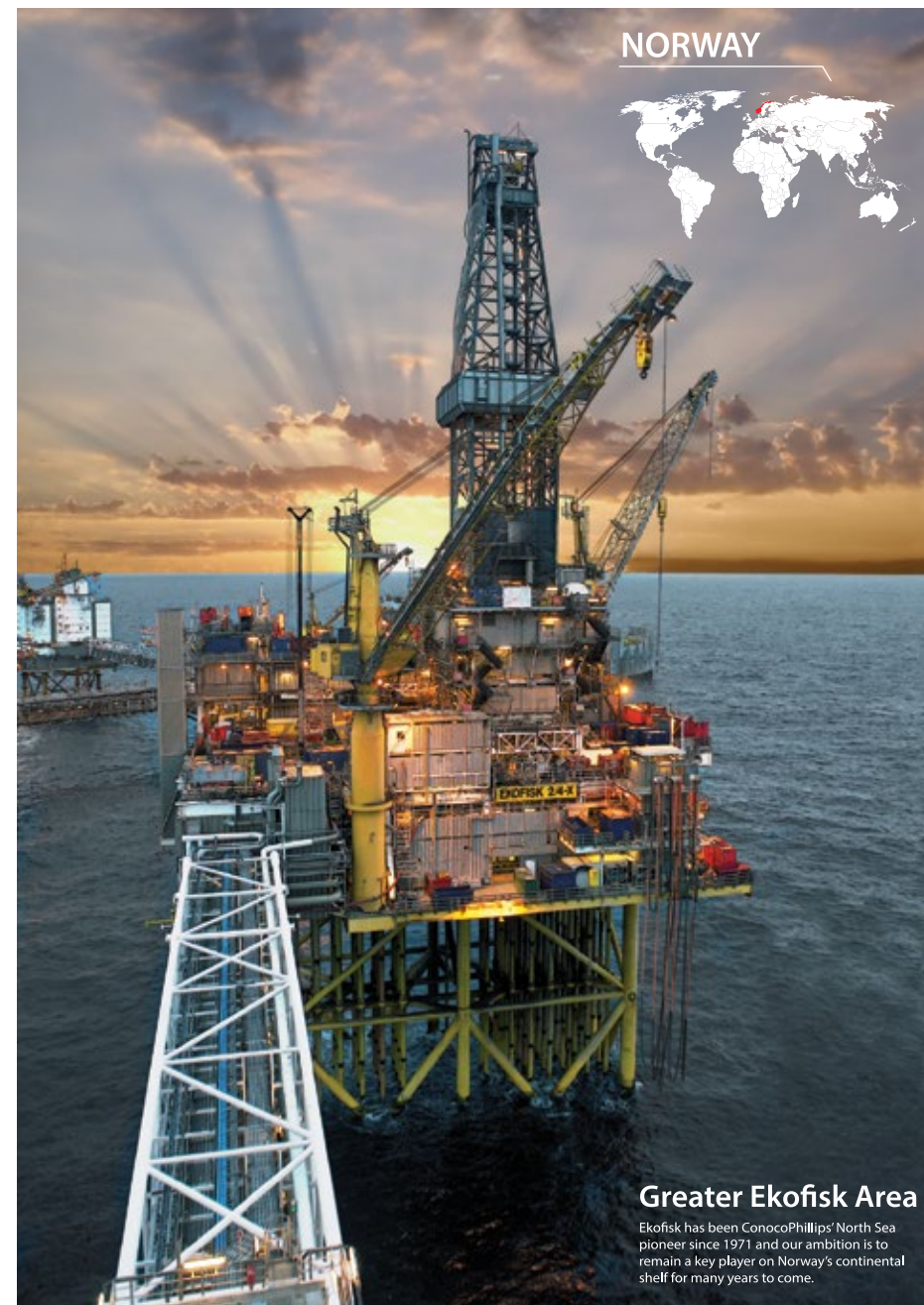


## About the Global Water Sustainability Center an Internationally-Relevant Problem Solver

Established in 2010, the ConocoPhillips Global Water Sustainability Center (GWSC) is a designated and internationally-renowned Center of Excellence for all water-related research and technology. Based in the Qatar Science and Technology Park, the Center leverages ConocoPhillips Qatar's (COPQ) unique expertise to develop innovative solutions for treating and recycling processed water from the petroleum industry.

The research that the GWSC conducts in its state-of-the-art investigative labs is an integral aspect of COPQ's Corporate Social Responsibility (CSR) program. With findings actively disseminated among the industry and wider community, this collective knowledge sharing benefits the country by promoting Qatar as a leader in energy, capable of developing new advances in technology, improving the operations of oil and gas companies, and developing human capital within the fields of applied science and engineering.

COPQ's intrinsic dedication to water sustainability and knowledge sharing is the cornerstone of the company's CSR efforts in the country. Working together, we endeavour to continue providing support, expertise, and research that can be leveraged and replicated on an international scale.



## Greater Ekofisk Area

Ekofisk has been ConocoPhillips' North Sea pioneer since 1971 and our ambition is to remain a key player on Norway's continental shelf for many years to come.



## The GWSC's Water Visitor Center

### Shaping a Sustainable Future

Water is nature's most amazing, reusable resource; used throughout all cultures, countries, and life. It has been used and reused throughout history, connects past to present, and is essential to the future. A key facility and component of the ConocoPhillips Global Water Sustainability Center's (GWSC) community outreach efforts is its Water Visitor Center and conservation awareness program. Recognizing that all water conservation efforts depend on public awareness and an understanding of the need for conservation, GWSC scientists and engineers have educated more than 7,000 school children, teachers, and visitors about ways to save water in their daily lives.

As visitors enter through a captivating misty wall made of fine water droplets, the GWSC scientists and engineers welcome them on their two-hour tour. First, students learn about the importance of water from a global lens. Second, they learn about where and how fresh water is produced in Qatar. Third, students are introduced to different innovative methods of treating water. Fourth, they learn about the importance of shared responsibility, and are encouraged to share the information they have learned with their families and friends. Finally, students discuss and brainstorm different methods through which they can minimize their personal water consumption.

Through deepening knowledge on the importance of water conservation, the Water Visitor Center instills a sense of responsibility and commitment among Qatar's future leaders, whom we trust will lead our communities forward to a more sustainable future.



ConocoPhillips Global Water Sustainability Center members giving a tour of the Water Visitor Center.



Todd Creeger, president of ConocoPhillips Qatar, and Dr. Yosouf Salehi, executive director of QSTP, co-signing a MoU to extend their partnership agreement.

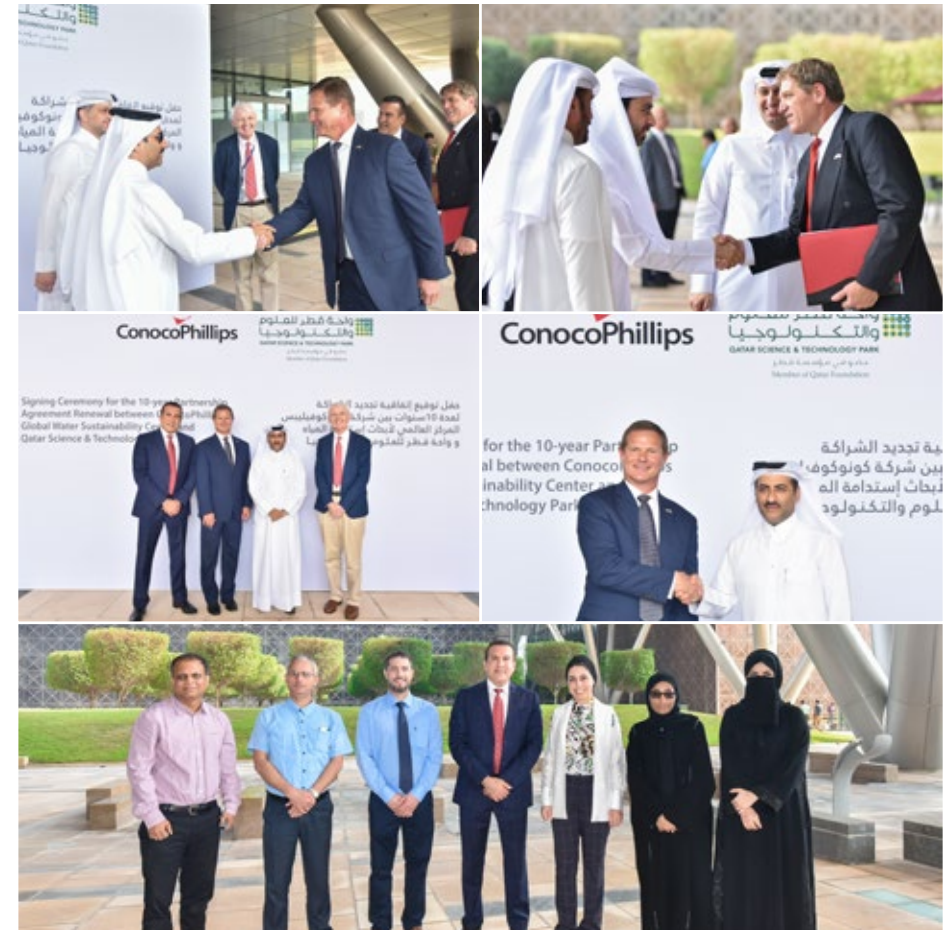
## Renewing our Commitment Qatar Science and Technology Park

Continuing another decade of innovation and research, the ConocoPhillips Global Water Sustainability Center (GWSC) and Qatar Science and Technology Park (QSTP) signed a Memorandum of Understanding on Dec. 3, 2018, to extend the Center's lease agreement by an additional 10-year period.

The solutions-oriented research hub and ecosystem fosters innovative outputs from a number of key enterprise contributors. Throughout the Center's evolution, QSTP has proved to be a strong national partner, supporting the GWSC's expansion into becoming a regional leader in water sustainability and capacity building.

Dr. Yosouf Salehi, executive director of QSTP, toured the Center on Nov. 22, 2018, to discuss further areas of cooperation, with a particular focus on community education programs through the Water Visitor Center. Dr. Richard O'Kennedy, vice president for Research, Development, and Innovation at Qatar Foundation, visited later that month on Nov. 28, 2018. He received a comprehensive overview of the GWSC, focusing on produced water treatment, technical support for Qatargas, and ongoing Corporate Social Responsibility programs including community outreach activities.

Building on a decade of advancement, the agreement reaffirms GWSC's position as a permanent contributor to the nation's knowledge-building and research capacities. In the last decade, the concept of environmental sustainability has gained international traction and is now backed by major industries and governments alike. Together with QSTP, GWSC will continue to deliver a genuine and comprehensive contribution to the sustainable development framework.



ConocoPhillips and QSTP members at the MoU signing event.



Our renewed partnership with the ConocoPhillips Global Water Sustainability Center underlines Qatar Science and Technology Park's (QSTP) support for the groundbreaking sustainability initiatives that have been driving Qatar's development agenda since we first officially joined hands in 2010. Our primary goal at QSTP is to create an ecosystem for research and innovation, assembling like-minded companies under one roof. In light of a diversifying economy, we look forward to another decade of innovation alongside one of our strongest international partners!

- Dr. Yosouf Salehi,  
Executive Director, Qatar Science and Technology Park





Todd Creeger, president of ConocoPhillips Qatar, with dignitaries at Tarsheed Carnival 2018.

## Highlighting the Significance of Sustainability to Qatar's Youth

Early each year, ConocoPhillips Qatar (COPQ), ConocoPhillips Global Water Sustainability Center (GWSC), and the Qatar General Electricity and Water Corporation (Kahramaa) along with multiple other partners team up to celebrate World Water Day, Gulf Cooperation Council Water Week, and Earth Hour. The series of events has been hosted at the Kahramaa Awareness Park in Thumama for the last two years, and is run by Tarsheed, Qatar's National Program for Conservation and Energy Efficiency. Aimed largely at Qatar's youth, the annual Tarsheed Carnival looks to instill a culture of conservationism among its population, highlighting the importance of water as a vital resource.

After proving to be popular with the youthful audience in 2017, the COPQ team brought back the "Mad Scientists" duo in 2018. They entertained the children while simultaneously educating them about the virtues of water conservation in an arid climate. This approach makes learning a fun activity, and has been a rewarding experience for both COPQ and Kahramaa officials who have attended each year.

The 2018 event saw Eman Al-Shammari, scientist at the GWSC, speak about ConocoPhillips and the importance of knowledge sharing and research into sustainable water use. The event has been attended by a host of stakeholders in Qatar's energy industry in both 2017 and 2018, with His Excellency Dr. Mohammed bin Saleh Al-Sada, former minister of Energy and Industry, a notable guest among them.

COPQ and Kahramaa have established a close collaborative relationship in recent years, partnering up to launch the ConoTarsheed initiative in late 2016, which has helped raise awareness of water usage in line with Qatar's sustainability goals, and Qatar National Vision 2030.

Education is as important as implementation, and collaborating with Kahramaa to highlight the significance of sustainability to Qatar's youth serves as an essential reminder of what ConocoPhillips stands for. The continued contribution to the education and empowerment of youth has been paramount in our presence in the country we call home.



The Mad Scientists entertaining children at Tarsheed Carnival 2017.



Members of ConocoPhillips Qatar and the GWSC taking part in the festivities at Tarsheed Carnival 2017.



The Mad Scientists entertaining children at Tarsheed Carnival 2018.



Qatar Sustainability Week 2017, Meshal Al-Shamari, Director, Qatar Green Building Council (QGBC), awarding the GWSC team.

## Participating in Qatar Sustainability Week

Qatar Sustainability Week, an initiative of Qatar Green Building Council, is held under the patronage of His Excellency Sheikh Abdullah bin Nasser bin Khalifa Al Thani, prime minister and minister of Interior. It aims to engage the community to participate in an array of sustainability-orientated activities across the country. The Qatar Sustainability Awards Ceremony is a focal point of the week, shining a light on the community's contributions in furthering sustainable development and environmental protection in Qatar.

During Qatar Sustainability Week 2017, the ConocoPhillips Global Water Sustainability Center's (GWSC) award-winning team of scientists and engineers were honored with the "Green Research Award, (Professional)." Accepted by Dr. Samer Adham, manager of the GWSC, the accolade recognized the Center's innovative research on produced water treatment and recycling, referring to the project entitled: "Sustainable Application of Osmotic Concentration to Reduce Wastewater Disposal Volumes from Qatari Gas Fields."

Qatar Sustainability Week 2018 featured community outreach and sustainability-oriented activities that drew together major stakeholders in the country. GWSC's branded booth aimed to engage the local community, highlight Qatar's global sustainability responsibility, and raise public water conservation awareness.

As part of the event, former ConocoPhillips Chief Economist Marianne Kah contributed to a roundtable discussion on the "Geopolitics of Climate Change." Kah – who is now an adjunct senior research scholar and advisory board member at the Center on Global Energy Policy at Columbia University, USA – examined the realities of climate change in a candid dialogue with her fellow panelists. Reflecting on her extensive experiences in the energy sector, Kah linked the notion of sustainability with relative company profitability in the current market.

We are honored to be recognized for the groundbreaking research we conduct, and are committed to further improving the sustainability of the oil and gas industry, and the country.



Eman Al Shammari receiving sustainability award from Eng. Ahmed Mohamed Al-Sada, assistant undersecretary for Environmental Affairs.



From left: Mr. Reda Ibrahim Ali, managing director of Abdullah Bin Hamad Al-Attiah International Foundation for Energy and Sustainable Development.



From right: Mrs. Mashael Al-Naimi, president of Community Development, QF; Essa bin Hilal Al-Kuwari, president, Qatar General Electricity & Water Corporation; and Eng. Ahmed Mohamed Al-Sada, assistant and undersecretary for Environmental Affairs.



Members of the Qatar BU and GWSC with Dr. Ibrahim Ibrahim, economic advisor to HH the Amir Sheikh Tamim bin Hamad Al Thani and executive member of the Supreme Committee for Development Planning.



Members of the Technical Advisory Committee in Oman.

## The Oman Humanitarian Desalination Challenge

Overcoming humanitarian crises increasingly relies on the development of sustainable everyday appliances. In this spirit, the Middle East Desalination Research Center designed a competition to crowdsource a low-cost personal device to desalinate seawater. Coined the Oman Humanitarian Desalination Challenge, the contest poses an exciting test for the global scientific community.

Funded by the Sultan Qaboos Higher Center for Culture and Science, the Challenge officially launched on Nov. 27, 2018, and welcomes submissions from all over the world. The substantial prize money of \$700,000 hopes to honor the most innovative and realistic proposal, given the parameters of the evaluation criteria and performance specifications.

Dr. Samer Adham, manager of the ConocoPhillips Global Water Sustainability Center, will serve as part of the competition's Technical Advisory Committee of world-renowned desalination experts.

## Panel of Experts



Kevin Price



Samer Adham



Dr. Jamilla Al Hinai



Gary L. Amy



Abdallah Salim Said Daar



Saied Delagah



Jauad El Kharraz



Tony Fane



Maria Kennedy



Neil Trevor Palmer



Thomas Michael Pankratz



Harry Seah



Brendan Tuohy



William Warren



John Wilson

# كونوترشيد ConoTarsheed

مبادرة كونوكوفيليبس و البرنامج الوطني للترشيد وكفاءة الطاقة " ترشيد"  
The ConocoPhillips & The National Programme for Conservation and Energy Efficiency "Tarsheed"

## Panel Discussion and Debate at Qatar University

Dr. Samer Adham, manager of the ConocoPhillips Global Water Sustainability Center (GWSC), joined experts from Qatar General Electricity and Water Corporation (Kahramaa), Qatar University (QU), and Qatar Green Building Council (QGBC) for a panel discussion and debate on water sustainability in February 2018.

The event formed a part of ConocoPhillips Qatar's (COPQ) joint initiative with Kahramaa, coined ConoTarsheed. ConoTarsheed aims to raise awareness among Qataris and expats on the importance of sustainability. The initiative is aligned with Qatar National Vision 2030 and our company's SPIRIT Values.

Also speaking at the panel were Fatima Al-Mesnad, head of Community Awareness and Development at Kahramaa's Conservation and Energy Efficiency department; Majeda Khraisheh, professor and head of the Department of Chemical Engineering at QU; and Meshal Al Shamari, director of QGBC.

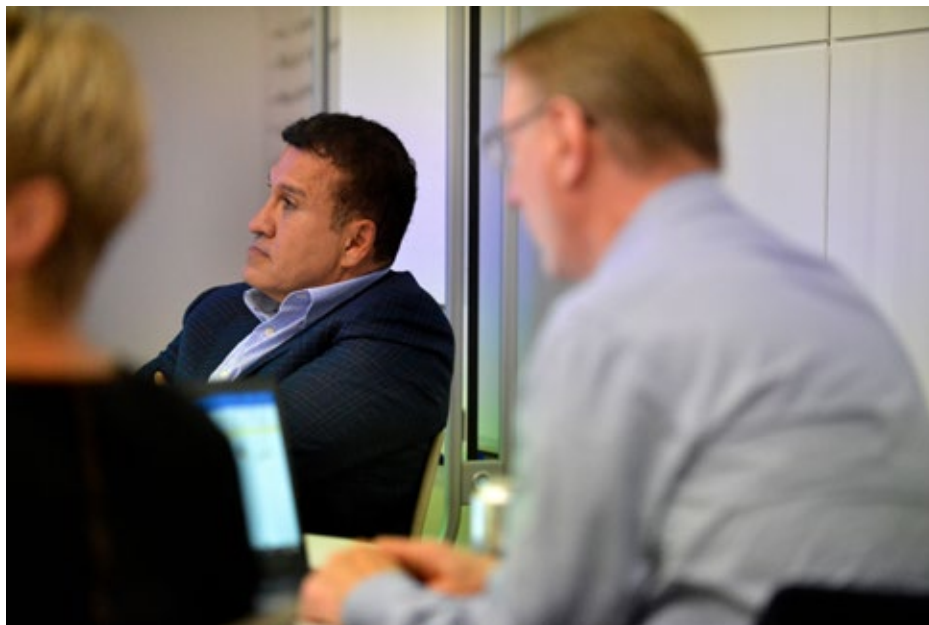
The panelists discussed successful initiatives in different sectors that contribute to water sustainability. They also highlighted personal responsibility and the role of research, emphasizing the integral part ConoTarsheed has played in sharing accessible information with the local community.

The panel was followed by a dynamic debate by the QU Debate Club, arguing for and against the subject matter. The discussion and debate sparked interest on social media as different students engaged in conversation on the topic. By the end of the event, #conotarshied had become the number one trending topic in Qatar- enabling the University event to reach an even wider audience.

Sparking debate and conversation are a big part of what COPQ stands for. We look forward to more events that engage Qatar's young advocates as we help create a culture of community for a brighter and more sustainable future.



Members of ConocoPhillips, QGBC, and QU participating in the ConoTarsheed panel discussion.



Dr. Samer Adham, manager of the ConocoPhillips Global Water Sustainability Center, in Texas, USA.

## The ConocoPhillips Global Environment and Sustainable Development Workshop

Dr. Samer Adham, manager of the ConocoPhillips Global Water Sustainability Center (GWSC), participated in the ConocoPhillips Global Environment & Sustainable Development (E&SD) workshop in Texas, USA, from Oct. 23-25 2018.

As a global leader in sustainable energy performance, the workshop led to ConocoPhillips defining a five-year "roadmap to 2023" to deliver consistent environmental and social risk assessment processes. The innovative cross-company initiative defines clear implementation milestones and leading practices to achieve a five-15 percent reduction in Greenhouse Gas (GHG) intensity by the year 2030.

ConocoPhillips continues to retain a competitive advantage in key areas of environment, social, and governance (ESG) performance in the market. With this in mind, the informative workshop raised awareness of external stakeholder expectations and implications, particularly with a view to the finance and investment sector.

As a company, we aspire to lead change and embrace our role in conscientious energy production. Internal alignment on effective tools, processes, and culture for business planning is absolutely crucial to our success within a global environment.





## Sponsoring a QNRF Seminar on Biodiversity

We are very privileged to work in some capacity with the Qatar National Research Fund (QNRF), continuing to explore some of the country's research priorities. In January 2018, ConocoPhillips Qatar extended its support by sponsoring QNRF's Research Outcomes Seminar (ROS) and Roundtable on Biodiversity. Hosted at Hamad Bin Khalifa University, Qatar, the ROS focused on the impact of biodiversity research on the country's ecosystem.

Technical Manager William R. Denney Jr. and Principal Engineer at the ConocoPhillips Global Water Sustainability Center Arnie Janson were in attendance. At the close of the event, they presented smartphones to draw prize winners. In line with our core values regarding the impact of sustainability research, and the conservation of Qatar's diverse ecosystem, we look forward to continuing our productive relationship with QNRF, and are proud to have attended and supported such an important and insightful event.



Members of ConocoPhillips Qatar presenting prizes at the QNRF Outcomes Seminar.



Dr. Samer Adham, manager at the ConocoPhillips Global Water Sustainability Center, addressing the QNRF audience.

## Ongoing Research Grants and Proposals from Qatar National Research Fund

ConocoPhillips Qatar is committed to shaping a better future for the oil and gas industry through research. Every day, the company's scientists and engineers search for solutions to the industry's challenges. This stems from a strong belief in the utility of technical and applied research to ensure sustainable development of the industry as well as the community we call home.

By leveraging the power of collaboration between industry and academia, the ConocoPhillips Global Water Sustainability Center (GWSC) is taking its research commitment to new heights. In 2017, the GWSC was awarded three grants from the Qatar National Research Fund (QNRF). Through these three projects, the GWSC works hand-in-hand with local and international institutions on some of Qatar's top research priorities.

The first research project examines how hypersaline-produced water could be used for sustainable power generation. This potentially groundbreaking technology involves the use of pressure-retarded osmosis and utilization of high-performance membranes to produce electricity by activating hydro-turbines. By advancing the understanding of this method of generating green energy, the GWSC is helping to find ways to maximize the sustainable application of oil-field-produced water (PW).

The second project aims to develop a novel and cost-effective process to reduce the volume of gas-field-PW injection into disposal wells. By using forward osmosis membrane technology, less water can be disposed of, while it allows for the dilution of highly-saline brine. The GWSC team is responsible for designing and building a pilot plant to showcase this innovative process, and to evaluate its economics and performance.



Members of the ConocoPhillips Global Water Sustainability Center with our partners at QNRF.

The third, and final, project uses nanostructured membranes designed for efficient separation of oil from water, ensuring effluent quality and treated water reuse. The GWSC team is tasked with comparing the membrane's performance with existing local commercial products, investigating its effectiveness under harsh conditions, and developing efficient chemical cleaning protocols for each membrane.

The above QNRF grants and proposals present a valuable opportunity for the GWSC to share its expertise with industry and academia while contributing to Qatar's most pressing research priorities. As an industrial partner, ConocoPhillips brings a wealth of knowledge and the ability to commercialize the projects. Guided by the company's SPIRIT Values, the GWSC will continue to foster innovation and knowledge sharing to support the long-term sustainable development of the industry.



## PARTNERSHIPS & KNOWLEDGE SHARING



Dr. Samer Adham and Sarah Mroueh holding ConocoPhillips Qatar's award at Tarsheed's sixth anniversary.

## Introduction

### Partnerships and Knowledge Sharing

ConocoPhillips Qatar (COPQ) fosters strategic knowledge sharing through a strong and long-standing network of partners. While our primary focus is finding solutions for Qatar, we are also committed to disseminating our knowledge globally, and, as such, have established ourselves as a vital resource and valuable partner.

As a well-decorated entity, COPQ's exceptional efforts towards contributing to Qatar's sustainability goals were recognized by Qatar General Electricity and Water Corporation's (Kahramaa) National Program for Conservation and Energy Efficiency, Tarsheed. This came in the form of a Tarsheed Award presented at the company's sixth anniversary celebrations. Conversely, our steadfast support of students at Qatar University (QU), the first national higher education institute, was acknowledged with a trophy award given at QU's Employee Recognition Ceremony in 2017.

We are very fortunate to have a vast array of industry experts among our colleagues across international business units, providing us with a wealth of further knowledge at our disposal. During 2017-2018 we opened our doors to host such specialists on economy, human performance and talent development, and health and wellness – further underlining our dedication to rewriting common standards of organizational success.



ConocoPhillips Qatar is a visible player at our main national initiatives such as Qatar Sustainability Week. They are a reliable contributor and we are appreciative of their collective dedication to the cause of environmentally-sustainable practices and development for Qatar. As a Council, it's important to work with proactive organizations that share our mission for a sustainable world.

- Meshal Al Shamari,  
Director, Qatar Green Building Council





Dr. Samer Adham, manager at the ConocoPhillips Global Water Sustainability Center.

## Supporting Qatar University's Water Security Report

The ConocoPhillips Global Water Sustainability Center (GWSC) participated in Qatar University's leadership roundtable to discuss the outcome of the Qatar Water Security Special Report. Experts met with the objective of reaching an adoptive action plan to implement the report's top recommendations.

An identified key recommendation was to develop a national framework that addresses oil and gas produced water management in Qatar – a key challenge faced by the industry. Employing its extensive expertise in the subject matter, the GWSC contributed to the assessment and analysis of the proposed recommendations.

Strengthening research, addressing the community's challenges, and fostering partnerships with key stakeholders are all part and parcel of what the GWSC, and ConocoPhillips Qatar as a whole, stand for. Through meaningful engagement, we hope to continue building a strong basis for a knowledge-based economy – one of the key pillars of Qatar National Vision 2030.



Industry experts discussing the outcome of the Qatar Water Security Special Report at Qatar University.



Main Campus, Qatar University.

## Collaboration and Mentorship

### Investing in Qatar's Future Leaders

ConocoPhillips Qatar (COPQ) has been an active contributor to local knowledge creation. In line with our SPIRIT Values, we are confident that enabling access to technologies, research, and resources are key pillars in support of the industry's long-term sustainable development.

In 2017, COPQ awarded two students from Qatar University's (QU) Department of Chemical Engineering a combined tuition sponsorship of \$100,000. The funding went to the incoming graduate assistants, Hania Albatrni and Asmaa Othman, who are set to graduate in August 2019.

Both Albatrni and Othman's research focuses on subjects of importance to the oil and gas industry. Albatrni is evaluating oil-removal absorbents for produced water, searching for innovative ways to treat and safely dispose it. Othman is analyzing, designing, and assessing the process economics for a recovery system for monoethylene glycol (MEG), a chemical used to prevent hydrate formation when natural gas is transported through pipelines.

The ConocoPhillips Global Water Sustainability Center (GWSC) provides the students with guidance through regular reviews and periodic technical meetings to discuss their ongoing progress. In February 2018, the students presented their preliminary findings to their supervisors and the team at the GWSC, gaining mentorship to help define and polish their research until completion. They also took the opportunity to sit down with Dr. Samer Adham, manager of the GWSC, as well as GWSC Assistants Dareen Dardor and Mashael Mohammed Al-Maas, in an engaging and open discussion on water sustainability, the GWSC's ongoing projects, and its role in the energy industry as an effective problem solver.

As a strong advocate of human development, a pillar of Qatar National Vision 2030, COPQ pledges to continue its support to those who strive to make an impact on their communities through innovation and research.



Hania Albatrni and Asmaa Othman with members of the ConocoPhillips Global Water Sustainability Center.



Qatari dignitaries at Tarsheed's sixth anniversary celebrations.

## Receiving an Award at Tarsheed's Sixth Anniversary Celebrations

ConocoPhillips Qatar (COPQ) is committed to being an active industry leader, while ensuring we maintain our responsibilities towards Qatari society. In light of this, we have established and maintained long-standing partnerships in Qatar, with the Qatar General Electricity and Water Corporation (Kahramaa) as one of COPQ's closest partners. With the mutual aim of achieving Qatar's sustainability goals, COPQ supports Kahramaa's National Program for Conservation and Energy Efficiency (Tarsheed).

Under the patronage of His Highness the Amir of Qatar Sheikh Tamim bin Hamad Al Thani, Tarsheed held its sixth anniversary celebrations at the Qatar National Convention Center on April 18, 2018, with the theme of "Qatar is Pulsing." The event was attended by a number of high-level officials, dignitaries and diplomats, and notably by His Excellency Abdullah bin Nasser bin Khalifa Al Thani, prime minister and minister of Interior; His Excellency Essa bin Hilal Al-Kuwari, president of Kahramaa; and His Excellency Dr. Mohammed bin Saleh Al-Sada, former minister of Energy and Industry.

As a devoted member of Qatar's energy industry, and one which contributes to its path towards a sustainable future, COPQ's exceptional efforts were recognized at the event, with Dr. Samer Adham, manager of the ConocoPhillips Global Water Sustainability Center, accepting an award on behalf of the company.

Sustainability is a priority at COPQ and we look towards finding solutions to tackle it while supporting local initiatives that have taken center stage on the issue. We aim to continue our efforts, strengthening our partnerships with Qatari entities to help ensure we maintain a sustainable future.



Dr. Samer Adham receiving an award on behalf of the ConocoPhillips Global Water Sustainability Center.



HE Dr. Mohammed bin Saleh Al-Sada (left) discussing the importance of Qatar's sustainability goals.



A selection of award winners on stage at Tarsheed's sixth anniversary celebrations.



Sustainability advocates at the American School of Doha.

## Creating a Sustainable Future for our Citizens

With a collective goal of emphasizing the ease in which sustainability can be achieved in our everyday lives, ConocoPhillips Qatar and the ConocoPhillips Global Water Sustainability Center instituted a country-wide film competition. Held in collaboration with Qatar Green Building Council and in partnership with Qatar General Electricity and Water Corporation (Kahramaa), the inaugural 2018 Sustainability Film Project (SFP) challenged Qatar's residents to create inspiring videos demonstrating how to live a sustainable life.

The challenge was fully embraced by members of the community, who produced some truly innovative and unique entries. After a rigorous shortlisting process, three brilliant SFP winners were selected from the diverse pool of videos. These sustainability champions were invited to Kahramaa's National Program for Conservation and Energy Efficiency, Tarsheed's sixth anniversary celebrations in April, attended by His Excellency the Prime Minister and Minister of Interior Sheikh Abdullah bin Nasser bin Khalifa Al Thani, and received a wide array of top-tier prizes.

For the second edition, the competition took place at the American School of Doha (ASD) to promote the concept of ecological preservation among a rising generation of scientists and citizens of the world. All students benefited from the initiative's overarching aim to amplify the voices of the local community. Furthermore, this independent learning experience inspired a sense of personal responsibility towards sustainable living that impacts the greater community.



The winning teams at the American School of Doha with ConocoPhillips Qatar and QGBC members.



Our association with ConocoPhillips Qatar (COPQ) drives children's education through fun, interactive activities such as the Sustainability Film Competition. The future of energy and water preservation depends on the values we confer on the youth of today. As a key player in the global energy market, COPQ understands and embraces this responsibility and are quite simply a joy to work with. We have some exciting collaborations brewing in the pipeline, in the name of sustainability- watch this space!

- Thomas L. Hawkins, Ed.D,  
Director of the American School of Doha





Members of the Qatar University Industrial Advisory Board.

## Qatar University Hosts Annual Industrial Advisory Board Meeting

ConocoPhillips Qatar (COPQ) continues its pledge towards improvements in both industry and education in Qatar through its partnership with Qatar University (QU). The Department of Chemical Engineering at QU held its annual Industrial Advisory Board (IAB) meeting on May 10, 2018. The IAB acts as an important link between the Department of Chemical Engineering and Qatari industry. The expertise provided puts the IAB in a unique position to support the department on reaching strategic targets, sharing industry insights, and providing high-level and relevant recommendations on how QU can incorporate current industry trends into existing programs and activities.

Dr. Samer Adham, manager of the ConocoPhillips Global Water Sustainability Center, was invited to be a member of the IAB, along with other representatives from governmental agencies and industry leaders such as Dolphin Energy Qatar, ExxonMobil Qatar, Qatar Chemical Company, Qatar Fuel Additives Company, Qatargas, and Qatar Petroleum.

At the meeting, members of the IAB discussed details regarding program and curriculum changes, summer training and internships, employee surveys, and the prospective Master of Science in Chemical Engineering program. They also considered strategies on attracting Qatari students to the program, as well as the best strategies to engage with the industry to develop realistic projects.

QU plays a vital role in the development of the current and future generations of young engineers in Qatar, and we at COPQ feel privileged to be a part of the process, engaging with local industry leaders and educational institutions to help advance the country's human capital.



## Leveraging our Global Expertise for Success in Qatar

At ConocoPhillips, we believe knowledge sharing is our responsibility towards the communities we operate in. We actively listen to local needs, engage in global knowledge creation, and give back to our communities through building bridges that leverage our global expertise in service of local safety.

Throughout the last two years, ConocoPhillips Qatar (COPQ) has continued its commitment to ensure its legacy of service is maintained. Technical Manager William R. Denney Jr. led a one-day course tailored specifically to train Nakilat's directors to deepen their knowledge on best operating practices in the shipping industry. Captain Karen Davis, manager of marine assurance, similarly headed a two-day process safety leadership training session for managers and top executives at Nakilat. As the largest liquefied natural gas (LNG) ship-owner in the world and Qatar's sole LNG resources' exporter, Nakilat actively seeks to improve its process safety at an operational level; a process we are proud to be part of.

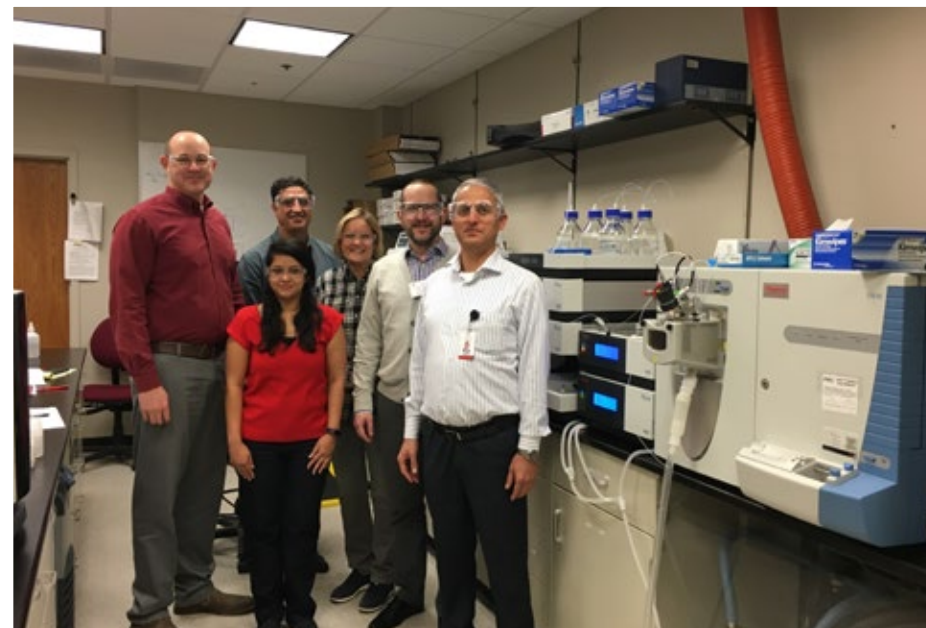
In other news, Gary Lim, well integrity expert at ConocoPhillips, was hosted for a short-term assignment in Qatar. He shared his expertise with Qatargas through various presentations on strategies and recommendations for well management. COPQ also welcomed a team of technical experts for a week-long visit. COPQ team members - William R. Denney Jr., Bryan H. Frisbie, and David Twaite - led the technical and commercial aspects of the projects, as they collaborated with a total of fourteen experts from ConocoPhillips' business units in Norway, Scotland, and the U.S.

Finally, COPQ Scientist Nabin Upadhyay traveled to the ConocoPhillips laboratories in Bartlesville, Oklahoma, USA, for a week-long training session. During the course, Upadhyay learned about equipment upgrades and discussed plans of analytical data transfer between the Doha and Bartlesville laboratories. He also got to discuss the latest safety protocols introduced across our laboratories worldwide which will soon be adopted at COPQ.

The previous activities are only a few examples of our commitment to the success and economic prosperity of the Qatari nation. We are looking forward to another year of safety, continuous collaboration, and giving back to the Qatari community.



COPQ Technical Manager William R. Denney Jr. (center right) with Nakilat leadership members.



COPQ Scientist Nabin Upadhyay (front right) visiting the ConocoPhillips laboratories in the U.S.



Maryam Mohammed al Tamimi (left) knowledge sharing with members of ConocoPhillips Qatar.

## Knowledge Sharing through In-House Apprenticeships

Knowledge sharing is an integral part of the ConocoPhillips Qatar (COPQ) success story and continues to remain a core value. An example of this can be found in the in-house apprenticeship offered to Maryam Mohammed al Tamimi, process analyst at Qatar Petroleum (QP), in April 2017.

As a high-performing Qatari national, with nearly a decade of industry experience, al Tamimi undertook our apprenticeship program with the aim of learning from our best practice knowledge-sharing processes. Alongside her mentor, Technical Manager William R. Denney Jr., she gained first-hand exposure into how COPQ shares expertise and knowhow between various international offices, and explored the impacts knowledge sharing has on operations.

With this newfound learning, al Tamimi is now in a very strong position to implement similar processes upon returning to QP. "I appreciate the wonderful opportunity to work with everyone at COPQ," she noted. "Through your support, encouragement, and guidance, I have proposed a strategy to stimulate QP's knowledge-management practice. This will have a direct impact on our organizational success."

Knowledge sharing is a key strength at COPQ. Through strong relationships and collaboration, we are helping to elevate knowledge sharing best practice in Qatar.



Maryam Mohammed al Tamimi, process analyst at Qatar Petroleum.



Sarah Mroueh, communications and public affairs manager, inspiring young public health students from QU.

## Qatar University Students

### Learn the Power of Corporate Social Responsibility

Since 2015, ConocoPhillips Qatar (COPQ) has been an active contributor to the curriculum of Qatar University's (QU) public health programs. Under a collaborative agreement between Hamad Medical Corporation (HMC) and QU, COPQ regularly provides public health students with exposure to Corporate Social Responsibility (CSR) strategy.

In the last two years, COPQ hosted QU students for tailored modules on campaign branding. As the company's signature CSR campaign in Qatar, Kulluna was used as a case study to highlight CSR's impact on national health and safety awareness. During the workshop, students had the chance to work with the campaign's marketing and creative agency, Sixty Degrees, and Sarah Mroueh, communications and public affairs manager at COPQ.

To date, more than 80 students have benefited from the company's hands-on modules. We look forward to working with more students in the future, as we strive to set an example for a responsible, welfare-focused CSR approach in Qatar.





## Outlining Applications of Membrane Technology in Student Lecture

In April 2017, Dr. Samer Adham, manager of the ConocoPhillips Global Water Sustainability Center (GWSC), presented a uniquely-tailored lecture to 50 engineering students at Texas A&M University at Qatar (Texas A&M at Qatar).

In a seminar entitled "Application of Membrane Technology for the Oil & Gas Industry," Dr. Adham surveyed the usefulness of membranes in treating process and produced water. Topics included commercial and emerging technologies, and showcased the GWSC's ongoing research to up-and-coming industry professionals in country while strengthening ties between ConocoPhillips Qatar and Texas A&M at Qatar.

Similarly, in line with our company's continuous engagement with Qatar University (QU), Dr. Adham and Dareen Dardor, assistant engineer at GWSC, delivered an exclusive seminar to senior Department of Chemical Engineering students at QU. The informative session – which took place in December 2017 – surrounded the topic of membrane desalination; an emerging technology with potential application in produced water management.

During the session, the two ambassadors provided an overview of the challenges faced by the industry regarding produced water, described the potential for new technologies to improve the process, and shared a thorough analysis of membrane desalination case studies. Organized in collaboration with Dr. Majeda Khraisheh, professor and head of the department of Chemical Engineering at QU, the lecture provided a valuable opportunity for students to learn more about how their academic studies can be applied to the oil and gas industry.

ConocoPhillips Qatar hopes to continue to support Texas A&M at Qatar and QU for the foreseeable future, with the aim of helping students advance their goals, and in doing so, advance Qatar's sustainable development.



Dr. Samer Adham (top) and Dareen Dardor (bottom) addressing students at Qatar University.



From left to right: Dr. Helen Currie, HE Dr. Mohammed Bin Saleh Al-Sada, and Todd Creeger.

## Sharing Insights with Stakeholders and University Students

Dr. Helen Currie, chief economist at ConocoPhillips, delivered a series of lectures and participated in high-end talks with key stakeholders in Qatar.

In her lecture to undergraduate students at Qatar University (QU) in October 2017, Dr. Currie covered an overview of the latest trends in the oil and gas industry worldwide. During the lecture, Dr. Currie discussed the American liquefied natural gas (LNG) market and the impact increased LNG exports from the U.S. have on Qatar. She also shared her analysis of alternatives to oil and gas, and concluded with a top-tier view of global markets' performance.

Subsequently, Dr. Currie held a lecture at Hamad Bin Khalifa University's College of Law and Public Policy in November 2018. She discussed current issues and future directions of the global natural gas markets and energy security sectors. During her visit, Dr. Currie met with key figures in energy including His Excellency Dr. Mohammed Bin Saleh Al-Sada, former minister of Energy and Industry.

In her role, Dr. Currie anticipates market movements and trends, employing her extensive experiences in business, government, and academia. During her educational engagements, she shared some highlights of her career, emphasizing the impact professionals and academics have on the sector.

The outreach efforts came as part of ConocoPhillips Qatar's ongoing collaboration with local industry and educational institutions. We are confident sharing knowledge will help inspire future generations of energy professionals to become influential leaders who drive the industry to a strong, sustainable future.



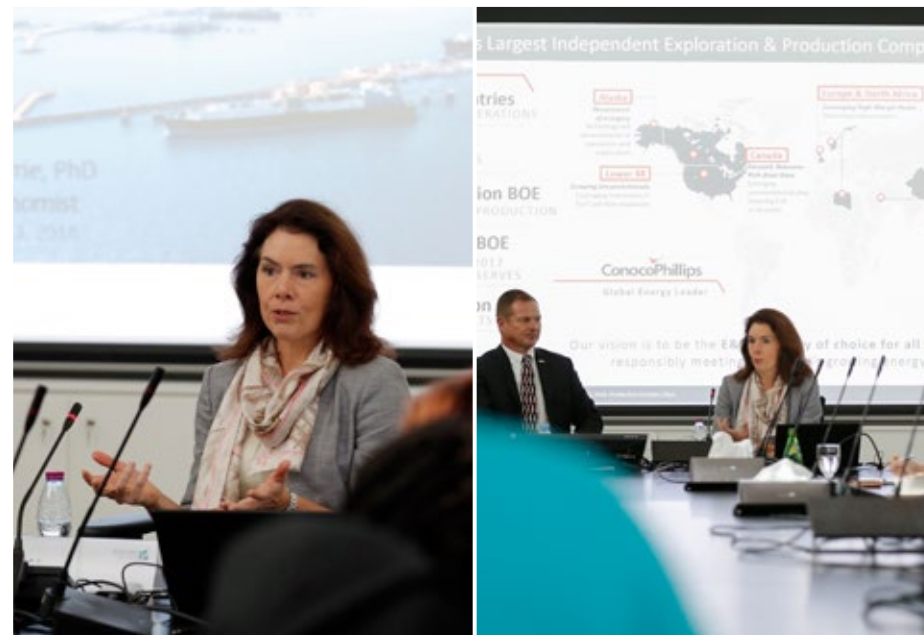
Dr. Helen Currie leading a lecture to undergraduate students at Qatar University.



Dr. Helen Currie sharing market insights and trends with ConocoPhillips stakeholders and industry partners.



Members of Hamad Bin Khalifa University showing Dr. Helen Currie and Todd Creeger around the campus.



Dr. Helen Currie discussing the global natural gas market with Todd Creeger at Hamad Bin Khalifa University.



Dr. Helen Currie and Todd Creeger (both center) with various partners in Education City, Qatar.



Bryan H. Frisbie, commercial manager (front left), discussing the regional challenges facing the industry.

## Joining the Panel of Experts at Georgetown University in Qatar

As part of the Georgetown University Global Executive Master of Business Administration (GEMBA) program's fourth module, ConocoPhillips Qatar's (COPQ) Bryan H. Frisbie, commercial manager, was invited to Georgetown University in Qatar (GU-Q) on Feb. 21, 2018, to participate in a panel discussion on the regional challenges facing the oil and gas industry. Designed to give students a unique opportunity to visit five international cities and learn about different methods of conducting business, the program offers its students access to decision makers across various industries.

The 30 GEMBA students were given insights on issues associated with the oil and gas industry by the panelists, specifically in the Gulf Cooperation Council (GCC). The discussion focused on important topics such as changes in supply and the presence of shale gas and other energy sources, instability in oil and gas prices, and their effects on the overall function of the industry in Qatar and the GCC. Frisbie expertly addressed the impact the blockade had on COPQ, and on other industry leaders.

Other panelists included Howard Bevan, secretary to the board of trustees and energy adviser, Al-Attayah International Foundation for Energy and Sustainable Development, and Dr. Mehran Kamrava, director, Center for International and Regional Studies at GU-Q. Dr. Kamrava gave an overview of the broad working relationships in the region, before honing in on the blockade and the increasing influence of Turkey and Iran. While Bevan focused on Qatar itself, discussing a selection of government initiatives that have paved the way for Qatar's success pre- and post-blockade.

Knowledge sharing requires commitment and openness to discussing pertinent global and local issues. COPQ actively looks for opportunities to share knowledge where possible and we feel encouraged and proud when various institutions seek our expertise.



Bryan H. Frisbie, commercial manager at ConocoPhillips Qatar.



Amanda Moyes and Dr. Samer Adham receiving a trophy award at Qatar University.

## ConocoPhillips Awarded for Supporting Qatar University Students

ConocoPhillips Qatar (COPQ) strongly believes in providing diversified learning opportunities for students in Qatar, with a core focus on those from Qatar University (QU) – the largest higher educational institute in the country.

In addition to hiring two QU graduates, Dareen Dardor and Mashael Mohammed Al-Maas, to join the ConocoPhillips Global Water Sustainability Center (GWSC) in 2017, COPQ has sponsored and advised QU graduate students' research for several years. What's more, our experts regularly share knowledge with the students through lectures – including an October 2017, visit by our Chief Economist Dr. Helen Currie – and we regularly contribute to the curriculum of the University's public health programs.

As such, in QU's Employer Recognition Ceremony 2017 – an event honoring institutions from various sectors for their collaboration with the University – COPQ was recognized via a trophy award for its steadfast support of students throughout the academic year. Held at The Ritz-Carlton, Doha, in attendance from COPQ was Dr. Samer Adham, manager of the GWSC, and Amanda Moyes, human resources manager.

Under the theme "Partnering for Students' Success," the event began with an introductory video message by His Highness the Amir Sheikh Tamim bin Hamad Al Thani, with QU President Dr. Hassan Rashid Al-Derham welcoming members of the business community.





Members of the GWSC with visiting guests Dr. Deepalekshmi Ponnamm (second from left), Dr. Mariam A. Al-Maadeed (third from right), and Dr. Mohamed K. Hassan (far right).

## Collaborating with Professors and Researchers at Qatar University

Academic partners continually support the industrial research ecosystem. The ConocoPhillips Global Water Sustainability Center (GWSC) has a long-standing collaborative relationship with Qatar University (QU), the first national higher education institute. The entities' current joint project – backed by Qatar National Research Fund (QNRF) – aims to develop novel low-fouling membranes for oil-water separation.

As such, the GWSC was honored to receive a visit from Vice President for Research and Graduate Studies at QU Dr. Mariam A. Al-Maadeed on Oct. 15, 2018. Dr. Al-Maadeed is the former director of the Center for Advanced Materials (CAM) and founder of the Master's in Materials Science and Technology at QU. She is an internationally-recognized physicist in the field of polymers and nanocomposite technologies.

Dr. Al-Maadeed was accompanied by Dr. Mohamed K. Hassan, research fellow at CAM, and Dr. Deepalekshmi Ponnamm, post-doctoral researcher at CAM. During the visit, the three researchers exchanged findings on both sides and held relevant discussions on added capacity-building opportunities at QU. In turn, the GWSC offered valuable insights on produced water treatment, membrane testing, and potential ways to improve membrane performance.



The collaboration between Qatar University and ConocoPhillips Global Water Sustainability Center builds on our shared knowledge and resources to advance research for developing innovative technologies to address key water challenges locally and internationally. We look forward to further partnerships on technology development & knowledge-sharing; in support of capacity building in Qatar.

- Dr. Mariam A. Al-Maadeed,  
Vice President for Research and Graduate Studies, Qatar University





Members of ConocoPhillips Qatar and our partners at Qatargas at the ConocoPhillips Global Water Sustainability Center.

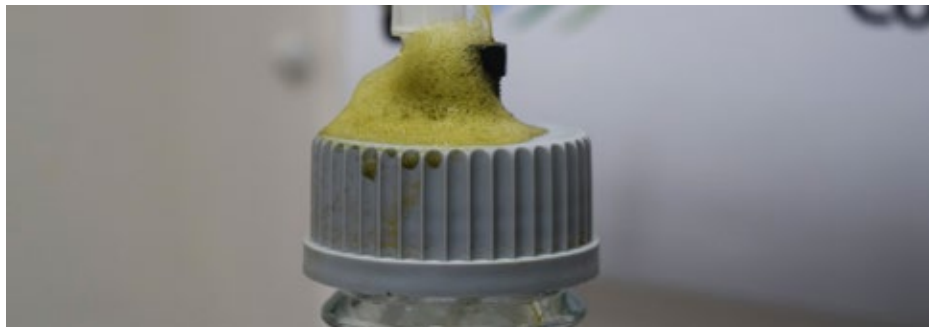
## Our Ongoing Partnership with Qatargas

Continuing to grow a legacy of cooperation, the ConocoPhillips Global Water Sustainability Center (GWSC) and Qatargas (QG) recently collaborated on a three-month project related to facility sizing and capacity. The venture examined the options available for integrating Qatargas 1 (a set of three liquefied natural gas trains) wastewater treatment with those of the existing wastewater recycle and reduction plants currently under construction.

The team prepared technical assessments, compiled historical data, and conducted analyses of grab samples through a full capacity-engagement initiative across the board of senior to junior engineers. The results of the evaluation forecasted significant savings in capital cost, lower operating costs, and faster construction time. GWSC members presented and discussed the notable findings with ConocoPhillips Qatar's stakeholders in an interactive workshop.

This comprehensive study came as part of GWSC's joint efforts to ensure the continuous delivery and maintenance of top wastewater recycling capabilities in the country.





Scientific experiments at the ConocoPhillips Global Water Sustainability Center.

## Qatargas' Liquefied Natural Gas Train Support Project

The ConocoPhillips Global Water Sustainability Center (GWSC) has played an active role in problem solving for industry challenges both globally and locally. Aided by its experienced team of scientists and engineers, the GWSC is constantly called upon to lend its know-how in alleviating technical complications in the energy sector.

The production of liquefied natural gas (LNG) involves removing heat from gas and then cooling it to almost  $-260^{\circ}\text{F}$  ( $-162^{\circ}\text{C}$ ). Freshwater is used for this process in what is called a cooling loop. The liquefaction of natural gas is essential in its international transportation, as doing so through pipelines is generally unfeasible in both technical and economic terms.

In October 2016, Qatargas (QG) discovered an unwanted foam-like substance in one of its cooling loop water tanks. The GWSC was asked to step in, applying its advanced analytical capabilities and scientific knowledge to solve the issue. Pulling samples from the facilities in question, and running tests, experiments, and advanced chemical analyses, the GWSC's scientists were able to ascertain the root cause of the issue. They had found conditions and processes that could trigger the formation of the substance in question. After months of testing, the results of the investigation were presented to QG's facility management in the summer of 2017, while outlining mitigation strategies to prevent similar circumstances in future operations.

Prior to the establishment of the GWSC in Qatar, such issues would require assistance from laboratories and experts abroad, resulting in higher costs and an inefficient use of time. With the presence of GWSC here in the country, ConocoPhillips Qatar has established a reputable team of dedicated scientists, developing and working with state-of-the-art techniques in the scientific field.

The LNG Train Support project is an example of the innovative capabilities of the GWSC, and has again proven that it is a local resource proficient in finding important and tailored solutions for our partners.





Scientists and engineers at ConocoPhillips Global Water Sustainability Center discussing laboratory experimental plans.

## Conducting a Flow Assurance Investigation with Qatargas

During the production of liquefied natural gas (LNG) and, similarly, in the refining of condensates, solids can be formed that ultimately accumulate within process equipment and present flow assurance challenges.

In 2017 and 2018, ConocoPhillips Global Water Sustainability Center (GWSC) engineers conducted separate investigations into the composition and likely source of two sludges, one from LNG operations and one from the Qatargas (QG) refinery. Both investigations required advanced chemical analyses - including high-pressure liquid chromatography and mass spectroscopy - to identify the likely root cause. The GWSC team also proactively identified short and long-term remedial action.

Researchers from the project then presented their results to QG engineers, operators, and management, facilitating an active discussion on the implementation of their strategic recommendations.

This contribution demonstrated the unique capabilities of the GWSC, showcasing its value to the local energy sector. Going forward, the GWSC will continue to apply its analytical and technical ingenuity to benefit partners and stakeholders in the local market, as ConocoPhillips Qatar commits itself to the overall progress of the industry.





ConocoPhillips hosted a workshop for Qatargas with industry expert Dr. Todd Conklin to talk about safety standards and conditions for workers.

## Hosting Human Performance Expert Dr. Todd Conklin

In November 2018, ConocoPhillips Qatar (COPQ) hosted industry expert on Human Performance and author of Pre-Accident Investigations Dr. Todd Conklin. His involvement in the operational dynamics of Qatargas (QG) led to animated discussions involving senior-level officials and blue-collar workers alike. His visit inspired a move away from traditional views on safety programs to a contemporary outlook that views safety as a capacity. While human error cannot always be avoided, such errors can be a treasure of information for any organization to learn and create a safer workplace.

During his stay, Dr. Conklin spent two days at Ras Laffan Industrial City followed by two days at the Al Khor Community Center, where he talked to dozens of workers about local safety conditions. Through these hands-on interactions, Dr. Conklin grasped both the challenges and opportunities that spring out of a uniquely multinational working environment, seeking to enforce safety standards to a workforce of 74 varying nationalities.

The week ended with a presentation to QG senior management, including Khalid Thamer Al-Hemaidi, chief operating officer of Safety, Health, Environment, and Quality. Dr. Conklin also shared ConocoPhillips' own organizational journey of learning and safety development with QG.

It is imperative to recognize shifting paradigms of organizational success. ConocoPhillips continues to lead crucial discussions with industry experts and implement optimal operational standards.



Todd Conklin (standing) discussing safety standards and conditions with workers during his visit to Qatar.



## BUILDING LOCAL & INTERNATIONAL RELATIONSHIPS



HE Abdullah Bin Hamad Al-Attiyah (center) and Todd Creeger (far right) with other dignitaries on a CEO panel to discuss water security.

## Introduction

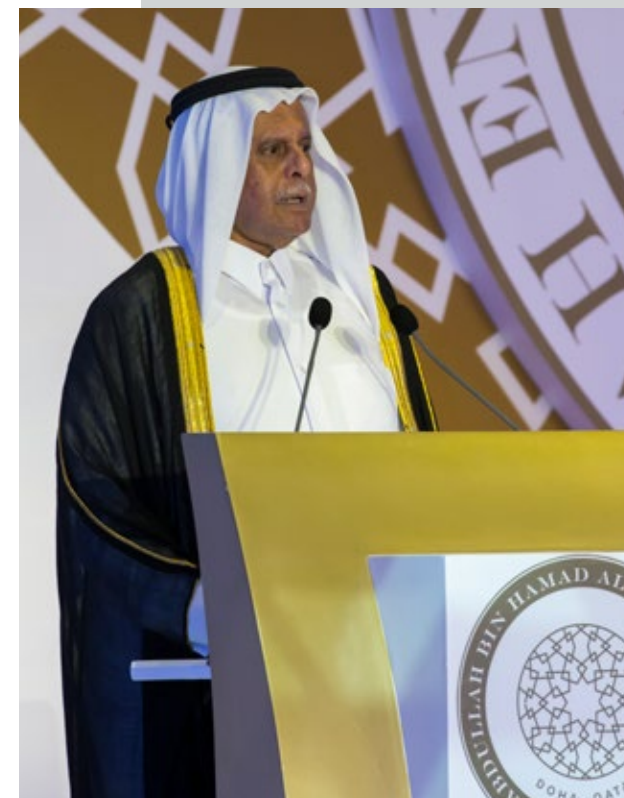
### Building Local and International Relationships

Through building relationships with Qatar's most influential institutions – and leveraging the power of collaboration between industry and academia – ConocoPhillips Qatar (COPQ) is committed to shaping a better future for Qatar's oil and gas industry. As such, nurturing global knowledge sharing and enhancing cooperation are two cornerstones of our existence in the country. While we continue to position ourselves as reliable partners and advisors to Qatar's energy sector, we would like to take the time to express our gratitude to those who inspire us with their active role towards developing this industry in Qatar.

COPQ works closely with the Abdullah Bin Hamad Al-Attiyah International Foundation for Energy and Sustainable Development to develop a joint approach towards sustainable water management. Over the last two years, we have annually attended the Foundation's International Energy Awards and participated in the 2018 Industry CEO Roundtable. Such events further build upon the strong partnership we have with the Foundation and His Excellency Abdullah Bin Hamad Al-Attiyah – a relationship we take pride in as we look forward to continuing working together to ensure a sustainable future for the country.

Another partnership we wholeheartedly value is the transcontinental ties we share with Texas A&M University in both the U.S. and Qatar. Our long-standing and fruitful friendship continues to flourish, with our collective proudest achievement being the success of the annual Qatar Process Safety Symposium. With Texas A&M University graduates (Aggies) making up a substantial fraction of the ConocoPhillips workforce, the relationship is one of mutual trust, ease, and comradery.

The affiliations aforementioned are but a small fragment of the ongoing partnerships we deem fundamental to the success of COPQ.



Collaborative transformation is essential to the future of the world's energy industries. As a likeminded organisation, ConocoPhillips shares our commitment to the global sustainable development agenda – it is our open exchange of expertise and resources with our members that allows us to tackle major challenges together.

- His Excellency Abdullah Bin Hamad Al-Attiyah,  
Chairman of the Board of Trustees, Abdullah Al-Attiyah International Foundation for Energy and Sustainable Development, and former Deputy Prime Minister and Minister of Energy and Industry





Dr. Samer Adham (right) sharing concerns surrounding water demand and security in the country.

## Al-Attiah Foundation's Industry CEO Roundtable

His Excellency (HE) Abdullah Bin Hamad Al-Attiah, former deputy prime minister and former minister of Energy and Industry, has nurtured the sector through the Abdullah Bin Hamad Al-Attiah International Foundation for Energy and Sustainable Development (Al-Attiah Foundation). The non-profit organization builds upon HE's decades of service and passion to confront key challenges facing the industry. The Foundation is leading by example through establishing itself as a thought leader focused on driving sustainable development.

In April 2018, the Al-Attiah Foundation hosted its eighth quarterly Industry CEO Roundtable at the Four Seasons Hotel, Doha. Held under the theme of "Water Security," the event focused on priority steps for innovative approaches to ensure availability and sustainable management of water.

Dr. Samer Adham, manager of the ConocoPhillips Global Water Sustainability Center, was honored to take part in the debate as one of the guest speakers. Together, with industry CEOs and Al-Attiah Foundation members, Dr. Adham discussed water usage in the country, the steps required to ensure water security, and how Qatar's rapid growth is placing demands on limited water supplies.



Members of the Al-Attiah Foundation Industry CEO Roundtable.



His Excellency Abdullah Bin Hamad Al-Attiah presenting the Al-Attiah International Energy Awards.

## Attending the Fifth and Sixth Al-Attiah International Energy Awards

ConocoPhillips Qatar (COPQ) was proudly in attendance at the fifth and sixth Abdullah Bin Hamad Al-Attiah International Energy Awards. Introduced in 2013, the awards are held annually and have recognized the exceptional work of individuals in their respective energy sectors. The event brings together notable industry stakeholders, colleagues, and friends of the Abdullah Bin Hamad Al-Attiah International Foundation for Energy and Sustainable Development.

The Lifetime Achievement Awards are designed to uphold and reflect the legacy and leadership of His Excellency (HE) Abdullah Bin Hamad Al-Attiah, former deputy prime minister and former minister of Energy and Industry, and his work and contributions towards the discourse of the global energy industry. Nominees are voted on by an international selection committee, based on their impact, innovations, long-term vision, and leadership, in their work and policies throughout their careers.

COPQ has been a steadfast supporter of HE Abdullah Bin Hamad Al-Attiah's influence on the industry, one which has spanned over forty years of excellence. As members of the Qatari community and the greater oil and gas family, we would like to extend our sincerest congratulations to the recipients of the awards, and offer our continued support in the growth of the industry through the spirit of innovation and teamwork.



Members of ConocoPhillips at the fifth (top) and sixth (bottom) Al-Attiah International Energy Awards.



HE Al-Attiyah presenting the Lifetime Achievement Award for the Advancement of the Qatar Energy Industry to HE Saad Sherida Al-Kaabi, minister of Energy Affairs and managing director and CEO, Qatar Petroleum.

## Fifth Annual Abdullah Bin Hamad Al-Attiyah International Energy Awards | 2017

Lifetime Achievement Award	Recipient
For the Advancement of the Qatar Energy Industry	His Excellency Saad Sheirida Al-Kaabi, minister of Energy Affairs and managing director and CEO, Qatar Petroleum
Honorary Award for the Advancement of International Energy Policy & Diplomacy	Sir Mark Moody-Stuart, former chairman, Shell
For the Advancement of Producer-Consumer Dialogue	Dr. Noé Van Hulst, ambassador of the Netherlands to the Organization for Economic Co-operation and Development
For the Advancement of Educating Future Energy Leaders	Mr. Ali Aissaoui, visiting research fellow and independent energy consultant, Oxford Institute for Energy Studies
For the Advancement of Energy Journalism	Mr. John Deferios, emerging markets editor, CNN Money
For the Advancement of the Organization of Petroleum Exporting Countries (OPEC)	Mr. Suleiman Jasir Al-Herbish, director general, OPEC Fund for International Development
For the Advancement of Renewable Energy	Mr. Marwan Masri, president and CEO, Canadian Energy Research Institute



Sheikh Khalid bin Khalifa Al Thani, CEO, Qatargas, receiving the Lifetime Achievement Award for the Advancement of the Qatar Energy Industry (left) and various International Energy Award winners (right).

## Sixth Annual Abdullah Bin Hamad Al-Attiyah International Energy Awards | 2018

Lifetime Achievement Award	Recipient
For the Advancement of the Qatar Energy Industry	Sheikh Khalid bin Khalifa Al Thani, CEO, Qatargas
Honorary Award for the Advancement of International Energy Policy & Diplomacy	Mr. Lee Raymond, former chairman and CEO, ExxonMobil Corporation
For the Advancement of Producer-Consumer Dialogue	Ms. Maria van der Hoeven, former executive director, International Energy Agency (IEA)
For the Advancement of Educating Future Energy Leaders	Professor Paul Stevens, distinguished fellow, Chatham House
For the Advancement of International Energy Journalism Programme Officer, Middle East & North Africa (accepted on behalf of the Directorate of Global Energy Relations, IEA)	Ms. Kate Dourian, former journalist, Reuters, Platts, and Middle East Economic Survey
For the Advancement of the Organization of Petroleum Exporting Countries (OPEC)	HE Mohammad Sanusi Barkindo, secretary general, OPEC
For the Advancement of Renewable Energy	Mr. Mustapha Bakkoury, president, Moroccan Agency for Solar Energy



Todd Creeger, president of ConocoPhillips Qatar and Texas A&M University alumnus, inspiring the Class of 2017 and relaying his fond experience at the University.

## Celebrating Graduates at Texas A&M University at Qatar's Commencement

Todd Creeger, president of ConocoPhillips Qatar, delivered a commencement address to Texas A&M University at Qatar engineering graduates at the branch campus' annual commencement ceremony - further enhancing the two entities' well-established, long-standing, and successful relationship.

As a Texas A&M University graduate (Aggie) himself, Class of 1986, the proud Aggie urged the newest alumni to leverage their university network, be bold in their decision making, and treasure their family and friends. Creeger noted that only seven percent of adults hold a university degree, something he refers to as both a privilege and the ultimate gift of education. "Knowledge empowers us, and bestows on us a certain responsibility to people other than ourselves," he said in his speech. "As engineers, you not only have the ability to make the world a better place, you have the responsibility to do so. This responsibility is worth embracing."

The class of 2017 was the university's largest to date and included 56 Qatari graduates. Over 100 students received their bachelor's degrees in chemical engineering, electrical engineering, mechanical engineering, and petroleum engineering during the ceremony. Fourteen students were awarded Master of Science and Master of Engineering degrees in Chemical Engineering.

The following year, in 2018, Bill Bullock, president of ConocoPhillips Asia Pacific & Middle East, had the honor of delivering the commencement address to the 11<sup>th</sup> graduating class. Also a proud Aggie (class of 1986) from a big family of Aggies, Bullock's speech focused on the huge impact the University has had on his life, and the positive effect it has on creating engineering leaders who contribute to Qatar's growth and development.



Dr. César O. Malavé, dean of Texas A&M University at Qatar, addressing graduates at Texas A&M University.



Bill Bullock, president of ConocoPhillips Asia Pacific & Middle East and former Texas A&M University student, discussing the positive impact the University had on his life with the Class of 2018.



Dr. César O. Malavé welcoming students onto the stage during the commencement in 2017.



Todd Creeger at Texas A&M University at Qatar commencement 2017.



Bill Bullock at Texas A&M University at Qatar commencement 2018.



Her Excellency Sheikha Hind bint Hamad Al Thani, vice chairperson and CEO of Qatar Foundation (front center), amongst other dignitaries at Texas A&M University at Qatar commencement 2018.



William R. Denney Jr, technical manager, speaking about the traditional occasion and addressing alumni at Texas A&M at Qatar's Muster Ceremony.

## Our Unique Relationship with Texas A&M University The Aggie Way

ConocoPhillips and Texas A&M University share a unique relationship that has spanned over decades. With our headquarters in Texas, USA, ConocoPhillips has been a familiar home to generations of Texas A&M University engineers and scientists, who through their hard work and dedication have ensured we remain a leader and an instigator of progress in the global energy industry. In a twist of fate, this bond has manifested itself in Qatar, home to both ConocoPhillips Qatar (COPQ) and Texas A&M University at Qatar (Texas A&M at Qatar), where alumni (Aggie) traditions have been kept alive and continue to flourish.

COPQ's William R. Denney Jr., technical manager, was asked to speak at Texas A&M at Qatar's Muster Ceremony in April 2018, where he opened his speech with a heart-felt "howdy!" Commencing in 1883, the somber-yet-celebratory occasion is a time-honored tradition which brings together any Aggies within 100 miles (160.93 km) of one another, taking the opportunity to reminisce over their days as students, and more importantly to remember the Aggies who have passed away. A list of the deceased is read out in the "roll call for the absent," with the traditional "here" being called after each name to signify their presence, and the customary candle being lit.

When Michael K. Young, president of Texas A&M University, USA, came to Doha to visit their Qatar campus, he was met with a warm reception by Todd Creeger, president of COPQ, an Aggie alumnus himself (class of 1986), who organized a gathering at his own residence. Bringing together Aggie alumni and Texas A&M at Qatar's Dean and Professor Dr. César O. Malavé, it made



Todd Creeger, president of ConocoPhillips Qatar (left), discussing university life with Michael K. Young, president of Texas A&M University, USA (right).



Members of the Aggie community.



Todd Creeger hosting members of the Aggie community at his house in Qatar.



for a great opportunity to catch up and remember what it means to be a part of the growing and multicultural Aggie family. Creeger was already familiar with Texas A&M at Qatar alumni as he had delivered a commencement address to the graduating class on May 4, 2017.

The Aggie community has steadfastly been a valuable resource to the global success of ConocoPhillips, and beyond donations and support, there is a genuine affinity between our institutions, one which we hope lasts for decades and generations to come.



## MARY KAY O'CONNOR PROCESS SAFETY CENTER

TEXAS A&M ENGINEERING EXPERIMENT STATION

### Texas A&M University's

### Mary Kay O'Connor Process Safety Center- Qatar

Safety is at the heart of our day-to-day operations at ConocoPhillips Qatar (COPQ), and we're committed to fostering a working environment in which this is wholly encapsulated. In 1989, Mary Kay O'Connor, operations superintendent at Phillips Petroleum, lost her life in a work-related explosion in Texas, USA. In direct response to the tragedy – and to improve education, innovation, and real-world applications – the Mary Kay O'Connor Process Safety Center (MKOPSC) was established in 1995.

Operated by Texas A&M University, USA, the science-based organization conducts research to improve and promote safety in the chemical process industry with the goal of minimizing and, ultimately, nullifying avoidable incidents. The Center offers Texas A&M University undergraduate and graduate students an array of programs and certifications surrounding process safety. In June 2013, Texas A&M University at Qatar (Texas A&M at Qatar) implemented a division of the center in the country, respectively named Mary Kay O'Connor Process Safety Center - Qatar (MKOPSC-Q).

Owing to our close relationship with the university, and our dedication to safety and education, COPQ is one of the main supporters and financial contributors of MKOPSC-Q; sponsoring core activities and upholding its mission to improve process safety in the industry. As such, among other notable experts, William R. Denney Jr., technical manager at COPQ, holds a seat on the MKOPSC-Q Steering Committee. Here, he attends regular meetings to discuss the direction of the center, the types of research underway, and what the future holds.

Since 2012, COPQ and Texas A&M at Qatar have co-hosted the annual Qatar Process Safety Symposium (QPSS), providing a dedicated platform to discuss process safety among academia, industry experts, and stakeholders. The symposium continues to support students from the center, allowing them the opportunity to share their work with the industry. Their participation at the event allows professionals to get to know them, and MKOPSC-Q has started to become a pool for recruitment of young talent in the field of process safety and the future of our industry. COPQ stands by its commitment towards institutions such as MKOPSC, as they help to improve the most important and pertinent problem facing the energy industry – safety.





Andrew Lundquist, senior vice president (SVP) of Government Affairs at ConocoPhillips and Anne Patterson, president of U.S.-Qatar Business Council, with Qatari dignitaries.

## Strengthening U.S.-Qatar Relationships

As an American company with a business unit based in Qatar, ConocoPhillips has cultivated strong collaborative ties with the Arabian country and its dignitaries, taking special care to maintain this well-established bilateral relationship. Our extensive expertise and commitment to the sustainability of the oil and gas industry has enabled an invaluable relationship between ConocoPhillips Chairman and CEO Ryan Lance and the Amir of Qatar His Highness Sheikh Tamim bin Hamad Al Thani. Meeting on a regular basis, Lance is honored to discuss pressing matters concerning both Qatar, the U.S., and the world; working together towards our common goals.

In May 2018, ConocoPhillips Qatar (COPQ) was pleased to host Andrew Lundquist, senior vice president (SVP) of Government Affairs at ConocoPhillips. The knowledgeable SVP visited Doha to participate in a selection of U.S.-Qatar Business Council board meetings as chair of the advisory board. Accompanied by Todd Creeger, president of COPQ, Lundquist spent his time meeting with key Qatari peers and stakeholders. The gatherings took place over a three-day period, and included consultations with His Excellency (HE) Akbar Al Baker, CEO, Qatar Airways; HE Ali Shareef Al-Emadi, minister of Finance; HE Saad Sherida Al-Kaabi, minister of Energy Affairs and managing director and CEO, Qatar Petroleum; HE Sheikh Ahmed bin Jassim bin Mohammed Al Thani, minister of Energy and Commerce; HE Sheikh Khalifa Bin Jassim Mohammed Al Thani, chairman, Qatar Chamber of Commerce and Industry; and many more.



Members of the U.S.-Qatar Business Council board after discussions to strengthen bilateral relationships.

COPQ is a proud sponsor of The American Chamber of Commerce in Qatar (AmCham Qatar); helping to foster cooperation and understanding between Qatar and the U.S. through trade, commerce, and investment. As Vice Chairman on the AmCham Qatar Executive Committee, Creeger attended the second annual U.S.-Qatar Economic Investment Dialogue in 2018. More than 30 business executives from 18 companies participated in the dialogue, which focused on bilateral trade and investment.

Lastly, some of our American employees continue to attend the U.S. Embassy in Qatar for U.S. National Day. The annual celebration reinforces our steadfast commitment to strengthening U.S.-Qatar relationships, as well as enabling COPQ to enjoy an evening of great food, company, and music.



From left to right: Todd Creeger, Andrew Lundquist, Anne Patterson, and HE Mr. Ali Shareef Al Emadi.



U.S.-Qatar Business Council members at Qatar Airways headquarters.



Anne Patterson, president of U.S.-Qatar Business Council, discussing bilateral agreements with HE Mr. Ali Shareef Al Emadi, minister of Finance.



Andrew Lundquist shaking hands with Mr. Rashid Ali Al-Mansoori, CEO of Qatar Stock Exchange.



US.-Qatar Business Council meeting with Qatar Stock Exchange.



Members of the U.S.-Qatar Business Council and the Qatar Chamber of Commerce and Industry.



Dan Clark (center) with various international members of ConocoPhillips.

## Expanding Business Integration Efforts in Qatar

The ConocoPhillips Qatar (COPQ) liquefied natural gas (LNG) commercial team is an active participant in the strategic efforts to secure an equity participation in the ongoing Qatar North Field Expansion project.

Dan Clark, the newly appointed vice president of Qatar Business Integration at COPQ, joined as part of an important global LNG team initiative that relies on strong collaboration and support. Clark boasts extensive experience in the petroleum industry, spending three decades within ConocoPhillips and playing an integral role in the Alaska Business Unit's decade of growth and transformation.

As part of an interconnected global operation, our LNG team is an example of innovation and teamwork. They are integral to COPQ's expanding business integration efforts in Qatar, the region, and beyond.





## CONFERENCES & EXHIBITIONS



Audience members and guest speakers at the ninth annual Qatar Process Safety Symposium.

## Introduction

### Conferences and Exhibitions

ConocoPhillips Qatar was well represented at key industry conferences and exhibitions across Japan, Czech Republic, Singapore, and the United States. With a long-established role as an invaluable resource, the organization leverages its unique expertise to disseminate vital and industry-specific knowledge. Alongside our partners and stakeholders, we support Qatar's developing knowledge-based economy with a prolific exchange of global expertise in the fields of energy and sustainability.



“

From deep in the heart of Texas to the deserts of Qatar, Texas A&M University at Qatar and ConocoPhillips Qatar share a binding friendship that has led to a multitude of opportunities for exchanging knowledge. One of our proudest and most enduring achievements to date is establishing the annual Qatar Process Safety Symposium, which draws top industry experts, scholars and professionals from all over the world and the local community. The bond between our two organizations — and the vision for the industry we share — has no limits. I foresee bigger and better things to come alongside our partners at ConocoPhillips Qatar.

- Dr. César Octavio Malavé,  
Dean and Professor, Chemical Engineering Program, Texas A&M University at Qatar

”



Audience members and guest speakers at the eighth Qatar Process Safety Symposium.

## Qatar Process Safety Symposium Doha, Qatar

Process safety is not achieved by accident; it is reached through world-class asset integrity management programs and a relentless focus on operating assets to perform at the highest possible standards. As the cornerstone of ConocoPhillips, we proactively look to advance understandings of safety wherever we can add value to the community we work and live in.

Since 2012, we have enjoyed a long and productive relationship with Texas A&M University at Qatar (Texas A&M at Qatar). A proud example of our successful collaborations thus far is the co-created Qatar Process Safety Symposium (QPSS). This annual event – due to celebrate its 10th anniversary in 2019 – gathers industry, academia, and government leaders to share process safety knowledge and discuss best practices for Qatar, the region, and the world.

Our eighth QPSS, held in 2017, surrounded the theme of "Commitment: The Path to Process Safety Excellence." During the two-day event, His Excellency Dr. Mohammed Bin Saleh Al-Sada, former minister of Energy and Industry, suitably inaugurated the symposium with a keynote address. Establishing the importance of the conference from a national perspective, he highlighted Qatar's goal to maintain its industrial sector as a top global benchmark.



His Excellency Dr. Mohammed Bin Saleh Al-Sada inaugurating the eighth symposium.

The following year, during the ninth QPSS, His Excellency Dr. Ali Al-Mulla, assistant secretary general for Industrial Projects Sector at the Gulf Organization of Industrial Consulting, delivered the keynote address. Surrounding the event's core theme of "Emergency Preparedness," Dr. Al-Mulla outlined the benefits of leveraging the combined expertise of process safety scholars and professionals on a global scale.

Actively present at both events – opening the Symposiums with separate welcome speeches – were Todd Creeger, president of ConocoPhillips Qatar, and Texas A&M at Qatar's Dean and Professor of Chemical Engineering Dr. César O. Malavé; while many international ConocoPhillips employees and experts flew in from various business units.

Furthermore, the Symposium continues our partnership with Texas A&M at Qatar's Mary Kay O'Connor Process Safety Center – Qatar, supporting process safety research students with opportunities to share their work with the industry. We are always pleased to help our fellow industry professionals, educational partners, and stakeholders add value to the process safety field by facilitating a vital discussion on the subject.



Above and bottom right: Mr. Steinar Vaage, senior vice president, global operations, wells, and projects at ConocoPhillips.



Keynote speaker in 2018, HE Dr. Ali Al-Mulla, assistant secretary general for Industrial Projects Sector at the Gulf Organization for Industrial Consulting.

Plenary keynote speaker in 2018, Dirk Faveere, vice president of Health, Safety, and Environment at ConocoPhillips.



Dr. César O. Malavé, dean and professor at Texas A&M University at Qatar and event co-organizer (left).



Todd Creeger and Dr. César O. Malavé with guest speakers and dignitaries at the ninth QPSS.



Dr. Samer Adham, manager of the ConocoPhillips Global Water Sustainability Center, speaking about the applications of membrane technology in the oil and gas industry.

## Engineering with Membranes Conference Singapore

The Engineering with Membranes Conference 2017 in Singapore brought together 150 membrane technology experts from 29 countries, from April 26-28 2017. The conference was organized by Nanyang Technological University's (NTU) Singapore Membrane Technology Centre, and sponsored by Singapore's national water agency, the Public Utilities Board. It offered the ideal platform for ConocoPhillips Qatar to share knowledge gained through its collaborations with international organizations, as well as key entities and partners based in Qatar.

Attendees were given a keynote presentation by Dr. Samer Adham, manager of the ConocoPhillips Global Water Sustainability Center (GWSC), who spoke about the applications of membrane technology in the oil and gas industry, in addition to ways in which it can be leveraged in the energy sector. Membrane technology is used in the oil and gas extraction process, where their separation from water and other compounds have become increasingly difficult. Without the use of thermal separation processes, membrane technology uses less energy, and is therefore cleaner. It can also be used in wastewater treatment, ensuring the water is disinfected thoroughly before use.

The GWSC plays an important role in researching sustainable water use, and through a partnership made possible with partial funding from the Qatar National Research Fund, works closely with NTU on developing and assessing the application of membranes in the industry. Future efforts to continue cooperation related to the use of membrane technology in the energy sector are planned through ongoing partnerships with Qatargas and Qatar University.



Dr. Samer Adham with a member of the conference organization team.



Dr. Samer Adham discussing the applications of membrane technology with event attendees.



Ryan Lance, chairman and CEO at ConocoPhillips, discussing industry insights at Gastech in 2017.

## Gastech Exhibition and Conference Tokyo, Japan

In April 2017, ConocoPhillips participated in the Gastech Exhibition and Conference event (Gastech) held in Japan. Gastech is an annual gathering of the global energy industry and its associated stakeholder communities. It is the ultimate platform for energy producers, suppliers, buyers, and service providers to share their knowledge, discuss industry insights, and showcase new technologies.

Our continued participation in events such as Gastech allows us to stay deeply connected to the global industry. Through gaining a learned insight from our participation in these events, ConocoPhillips can choose to invest in promising next-generation technologies and management approaches. This will in turn help us continue to keep our business operations competitive on an international level.

As a hub for networking with local, regional, and global companies across the liquefied natural gas value chain, Gastech provided notable opportunities for business development and building industry connections – benefiting our brand recognition and market reach. Building these resilient connections across the industry is also a fundamental aspect of our SPIRIT Values; helping us to create value for the energy industry and, ultimately, our stakeholders.

ConocoPhillips members in attendance at Gastech included Ryan Lance, chairman and CEO; Todd Creeger, president of ConocoPhillips Qatar; Bryan Frisbie, commercial manager; and team members from the ConocoPhillips Japan Business Unit.



Various international ConocoPhillips members taking part in the discussions at Gastech in 2017.



Captain Karen Davis, manager of marine assurance at ConocoPhillips (left), and colleague.

## Nakilat Qatar Project Shipping Forum London, United Kingdom

During April 2017, Captain Karen Davis, manager of marine assurance at ConocoPhillips, was invited to speak at Nakilat's Qatar Project Shipping Forum in London. This two-day bi-annual event marked the 22nd gathering of Nakilat's joint-venture partners, ship operators, and charterers, and discussed the current shipping and maritime landscape.

A highly experienced mariner herself, Captain Davis showcased a plethora of wisdom as she debated best practices for managing third-party contracted vessels. The Captain shared extensive insights based on the industry knowledge that ConocoPhillips holds. Primarily, this related to increasing managerial presence aboard ships, building audit and safety guidelines into contracts, and increasing training schemes. Our participation in events such as these reinforces how committed ConocoPhillips is to shaping a better future for the oil and gas industry.



Captain Karen Davis (top left and bottom right) debating best practices for managing third-party contracted vessels with Nakilat members.



Joel Minier-Matar, senior engineer at the ConocoPhillips Global Water Sustainability Center, presenting findings from a water study at the 14<sup>th</sup> Engineering Forum.

## Qatargas-RasGas Engineering Forum Doha, Qatar

The ConocoPhillips Global Water Sustainability Center's (GWSC) contributions to Qatar's energy industry were highlighted at the 14<sup>th</sup> Annual Qatargas-RasGas Engineering Forum in December 2017. This high-level event gathered an array of industry insiders, technical experts, academics, and public sector decision-makers to share their liquefied natural gas (LNG)-related expertise.

During the forum, Joel Minier-Matar, senior engineer at the GWSC, and Krishna Kumar, senior process engineer at Qatargas, co-presented findings from a study investigating the origin of unexpected foam in a water tank at an LNG facility in Qatar. The duo showcased the conclusions of the investigation, including identifying conditions and processes that triggered the formation of the foam. They also outlined possible mitigation strategies to help prevent future re-occurrences. It was the first time the results were unveiled to the wider industry.

The event's organizing committee, which received over 100 abstract submissions, had hand-selected the GWSC to deliver one of the 21 oral presentations. By sharing the results of the GWSC investigation with local professionals and participating in discussions at the event, ConocoPhillips was able to demonstrate its value as a strategic partner to Qatar Petroleum.



Members of ConocoPhillips during the 14<sup>th</sup> Engineering Forum.



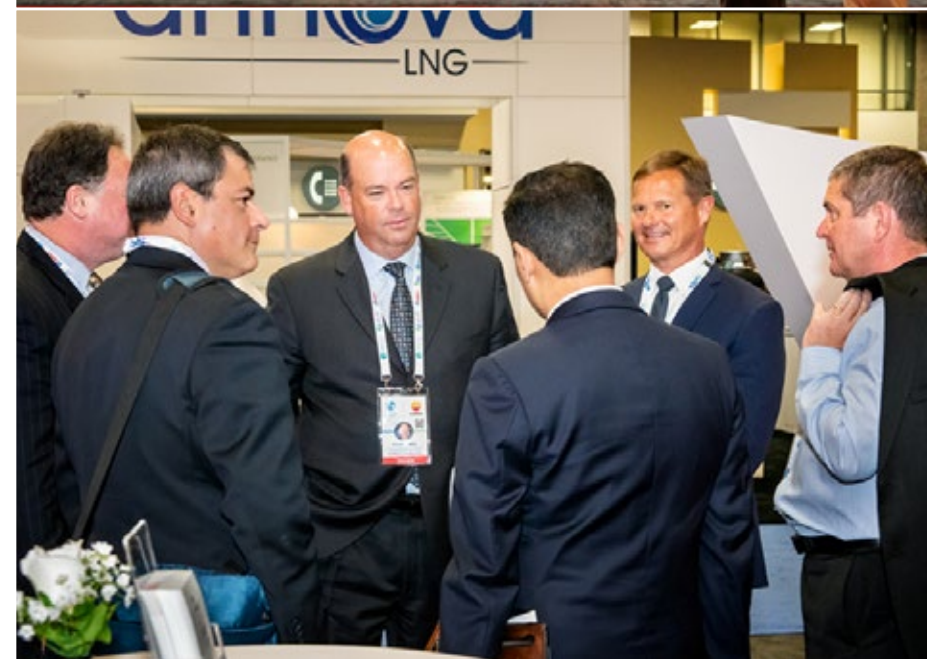
One of several panel discussions at the 27<sup>th</sup> World Gas Conference.

## World Gas Conference Washington, D.C., USA

The World Gas Conference was held in June 2018, in Washington, D.C., USA, under the theme “Fueling the Future.” The triennial conference is organized by the International Gas Union and supports advancing gas as a crucial contributor to a sustainable future for the energy sector. The conference was attended by thousands of speakers from the gas industry, along with key policy makers and energy ministers. CEOs from major global energy companies also engaged in conversations on the technical, commercial, and strategic opportunities and challenges facing the industry.

Ryan Lance, chairman and CEO of ConocoPhillips, joined fellow leading global CEOs during a high-profile panel entitled “The Biggest Challenges and Opportunities Facing the Global Gas Industry.” Other panelists were Bob Dudley, chief executive, BP Group; Jens Økland, executive vice president for Marketing, Midstream, and Processing, Statoil; Patrick Pouyanné, chairman and CEO, Total; and His Excellency (HE) Saad Sherida Al-Kaabi, minister of Energy Affairs and managing director and CEO, Qatar Petroleum (QP). During the panel, HE Al-Kaabi announced Qatar’s plans to increase its liquefied natural gas output by 30 percent. This increase has set a major milestone for Qatar, and for us at ConocoPhillips Qatar (COPQ), as we work with QP towards meeting the rising global demand.

As the only international oil company operating solely in Qatar, within the Middle Eastern region, we are committed to further employing our expertise to strengthen the growth and sustainability of Qatar’s energy sector. Through social engagement, thought leadership, and fostering relationships, COPQ continues to put Qatar’s strategic ambitions as top priority.



ConocoPhillips executive leaders in Washington, D.C., along with Qatar Business Unit leaders representation in Washington.



Her Highness Sheikha Moza bint Nasser, chairperson at Qatar Foundation (center), with other dignitaries.

## Qatar Foundation Annual Research Conference Doha, Qatar

The Qatar Foundation Annual Research Conference is a forum for the advancement of national research efforts across all scientific disciplines. The most recent conference (ARC'18) was held from March 19-20 2018, under the theme "Research and Development: Focusing on Priorities, Delivering Impact."

Joel Minier-Matar, senior engineer at the ConocoPhillips Global Water Sustainability Center (GWSC), delivered a presentation on the Center's latest research contributions in the field of hydrogen sulfide removal from sour water - a type of wastewater stream that can develop as a result of major oil and gas operations.

Highly relevant to the types of industry in Qatar, the GWSC conducted experimental tests on a "membrane contactor" concept that adapts hydrophobic membranes typically used in gas sweetening to sour water treatment applications.

As a 2018 recipient of the SPIRIT of Performance Award for Outstanding Early Career Technologist, Matar's ongoing contributions to water treatment process designs support Qatar's vision to answer some of the most pressing challenges in research and development.



Joel Minier-Matar, senior engineer at the GWSC, presenting his latest research at the Qatar Foundation Annual Research Conference.



Dr. Samer Adham, manager of the ConocoPhillips Global Water Sustainability Center (GWSC), relaying advances of water treatment technology in Qatar.

## MELPRO 2018

### Prague, Czech Republic

Dr. Samer Adham, manager of the ConocoPhillips Global Water Sustainability Center (GWSC), delivered the keynote address at MELPRO 2018, the international conference on membrane and electromembrane processes. The event brought together industry leaders and scientists in Prague, Czech Republic, to share the latest developments and challenges in the field.

Dr. Adham's address on "Membrane Applications and Opportunities in the Oil and Gas Industry" introduced the worldwide community of experts to advanced water treatment and membrane technology developments in Qatar. His speech is shortly set to be published in "Desalination" – a premier journal that promotes advances in science made on desalination materials, processes, and related technologies.

Global exposure encourages collaboration in support of Qatar's developing knowledge-based economy. MELPRO 2018 broadened the GWSC's international exposure and promoted the Center's important research contributions.





From left to right: Bryan H. Frisbie, Marianne Kah, and Dr. César Malavé.

## Al-Attiyah Foundation's Senior Managers Energy Dialogue Doha, Qatar

In October 2018, Bryan H. Frisbie, commercial manager at ConocoPhillips Qatar (COPQ), was cordially invited to attend the Abdullah Bin Hamad Al-Attiyah International Foundation for Energy and Sustainable Development's (Al-Attiyah Foundation) Senior Managers Energy Dialogue. The high-level event was hosted in cooperation with the Center on Global Energy Policy (CGEP), part of Columbia University, USA.

The first presentation and panel discussion focused on the geopolitics of climate change. Leading Professor Jason Bordoff, head of CGEP, took the role of main speaker and reflected on his extensive expertise in the intersection of economics, energy, and environment within a dynamic, changing world.

The second part of the day concentrated on the escalating demand of natural gas and its implications for climate change. Panelists included David Hone, chief climate change advisor, Shell Int. Ltd; Jonathan Elkind, former U.S. assistant secretary of Energy; Marianne Kah, board member, CGEP, and former chief economist at ConocoPhillips; and Dr. Tim Boersma, director of Global Natural Gas Markets, CGEP.

COPQ's ongoing participation in such events further enhances the strong and fruitful relationship we have with the Al-Attiyah Foundation. Our partners provide an independent, interdisciplinary, and international platform for knowledge exchange.



Various dignitaries, including HE Dr. Ibrahim Ibrahim, economic advisor for the Amiri Diwan (center).



Bryan H. Frisbie (left) participating in the panel discussion on the geopolitics of climate change.



## PEOPLE & CULTURE



Members of ConocoPhillips Qatar celebrating Qatar National Day 2018.

## Introduction

### People and Culture

At ConocoPhillips Qatar (COPQ), we believe deepening strong collegial relationships is part of our engagement with the communities where we operate. With 39 employees representing 19 countries, COPQ's unique diversity is reflective of everything Qatari and everything our team enjoys celebrating about the country.

Embracing the value of inclusion within a multicultural work environment, COPQ annually participates in Qatar National Sports Day, Ramadan, and Qatar National Day festivities alongside our hospitable local hosts. This integration requires constant conscientiousness and open-mindedness – key highlights of our recent in-house training programs on microaggression and neurodiversity in the work environment.

Lastly, we know that people are our most important asset and our key to success. As we look forward to organizing more team building activities, we remind ourselves of the community's inspiring unity and solidarity. We are committed to continue our support towards each other, and towards the Qatari community as a whole, both as neighbors and as responsible citizens.



We are honored to give back to the community that welcomed us with open arms and has given ConocoPhillips a much-loved home in the Middle East. This includes corporate and social dimensions of inclusion and cross-cultural understanding – a key value for the ConocoPhillips family in Qatar! Our differences, when embraced, truly do make us stronger.

- Amanda Moyes,  
Human Resources Manager, ConocoPhillips Qatar





## Wishing Stakeholders a Joyful Ramadan and Eid Mubarak

Ramadan is a special time for people of the Islamic faith and the participating community. Considered the holiest month of the year, the religious event is widely celebrated by ConocoPhillips employees and stakeholders across the world – from Qatar to the U.S. to Malaysia and beyond. During this period, Muslims typically fill their time with prayer, fasting, reflection, and almsgiving which concludes with the long-awaited Eid al-Fitr festivities.

We are very privileged to collaborate with such a diverse and international group of individuals in Qatar, the country we call home in the Middle East. In 2018, to mark the Holy Month, we wanted to give our most valued friends, partners, and stakeholders something brilliantly unique to take home and cherish. As such, our talented Events and Design Specialist Hamda Al-Kuwari created eight beautiful Ramadan and Eid cards for the occasion. Created, printed, and produced in Qatar – by our Qatari colleague – they brought a truly “Made in Qatar” spirit to life, and were thoroughly enjoyed by many recipients.



Ramadan and Eid cards created by our talented Qatari colleague, Hamda Al-Kuwari.



## Coming Together on Qatar National Day

At ConocoPhillips, inclusion and diversity are key drivers of innovation. This is especially applicable to ConocoPhillips Qatar (COPQ). With 39 employees representing 19 countries, COPQ is the company's most diverse office globally.

As good corporate citizens and conscientious colleagues, COPQ's team members gathered for Qatar National Day 2017 to enhance their knowledge of local culture at Doha's Souq Waqif. In a traditional environment, team members discussed Qatari history, business etiquette, traditional food, and common misconceptions about Qatar and Qatari people.

With the help of Embrace Doha, a local company dedicated to building cross-cultural understanding, team members went on a tour of the Souq. They spoke to shopkeepers, learned about the art of falconry, played traditional board games, and shopped for handicrafts. At the end of the day, they gathered over a traditional Qatari lunch to discuss what they had learned.

Building on this experience, COPQ organized a team excursion to some of the remarkable sites within Education City for Qatar National Day 2018. The tour included a visit to Qatar's center of equestrian excellence, Al Shaqab, and Qatar National Library – a cultural heritage landmark that boasts an impressive collection of over one million books, heritage materials, journals, and multimedia. This was followed by lunch at a local, farm-to-table concept restaurant.

The added value of inclusion is clear. "Our employees reflect the global communities where we live and work. They bring different backgrounds, experiences, ideas, and perspectives that collectively make us a strong company. Valuing everyone's contribution isn't just something we talk about. We put it into practice each day," noted Ryan Lance, CEO and chairman of ConocoPhillips.



Members of ConocoPhillips Qatar celebrating Qatar National Day 2017 at the Souq Waqif.



ConocoPhillips Qatar members celebrating Qatar National Day 2018 at Al Shaqab by visiting the state-of-the-art air-conditioned Equine Hydrotherapy and Exercise Unit. Incorporating: swimming pool, equine jacuzzi and dry treadmill, and horse walker with integral lunging unit.



Members of ConocoPhillips Qatar celebrating Qatar National Day 2018 at the newly built Qatar National Library (QNL), a modern facility that provides the people of Qatar with access to over one million books. In its role as a research library with a preeminent heritage collection, QNL fosters global insight into the history and culture of the Arabian Gulf region.



Members of ConocoPhillips Qatar participating in various training programs.

## A Successful Employee Makes a Thriving Company

In Qatar's multicultural professional environment, ConocoPhillips Qatar (COPQ) stands for empowering its employees with tools that support their long-term professional growth. Through in-house training, the company provides regular, fit-for-purpose development courses and sessions on various subjects that are integral to the team's overall success.

The company has recently updated its International Petroleum Industry Multimedia System (IPIMS), an E-learning tool with more than 750 free training courses covering a variety of topics. The addition of new content enables easier access to information that reinforces learning. The first Global Supervisor Training Program was also successfully introduced by the company's Leadership Development Center of Excellence. The curriculum is tailored to enhance core skills through web-based and in-person sessions for all supervisors across business units.

In 2017, COPQ's leadership team completed the Myers-Briggs Type Indicator, which is an invaluable tool used to determine a person's personality traits. After participants took the test, a training session was arranged to facilitate their understanding of each other's differences and to brainstorm effective ways of collaboration. COPQ's Human Resources department led a presentation on career development, assisting employees with brainstorming three-to-five year comprehensive plans to reach their career goals. The department also offered courses on stress management that discussed effective ways of stress response, in addition to a two-day training program on the fundamentals of good communication and interpersonal skills.



In 2018, COPQ offered a range of communal personality type trainings including the Visual-Auditory-Kinesthetic (VAK) model and the HNI Brilliant Body Language course. Employees gained insights into the basics of body language interpretation including personal presentation skills, verbal cues, and gestures. Additionally, Mark Fox, learning development lead at ConocoPhillips, flew in to deliver three corporate development modules: Building Trust, Leading Change, and Building Your Potential. The four-hour gatherings explored individual differences and their impacts on job performance.

In other news, experts from the National Academy for Professional Training visited COPQ's staff at the ConocoPhillips Global Water Sustainability Center (GWSC) to raise awareness on home safety. During the training, the GWSC split up into teams for interactive workshops that focused on fire and electrical safety. COPQ also holds regular practical training modules on defensive driving, first aid, and fire warden training to teach employees invaluable professional competencies for emergency situations.

Through meaningful people development, COPQ continues to ensure that all of its employees remain motivated to learn and excel – a successful employee makes a thriving company!



Joel Minier-Matar's SPIRIT Award for Outstanding Early Career Technologist.

## The 2018 SPIRIT Award

Joel Minier-Matar, senior engineer at the ConocoPhillips Global Water Sustainability Center (GWSC), won the 2018 SPIRIT Award for Outstanding Early Career Technologist. Nominated by Dr. Samer Adham, manager of the GWSC, the award is open to all ConocoPhillips employees with 10 years or less service who have shown a superior ability to develop innovative technology.

ConocoPhillips' SPIRIT Values are Safety, People, Integrity, Responsibility, Innovation and Teamwork, and form a fundamental part of our identity. Every ConocoPhillips employee is encouraged to live by those standards on a daily basis, translating it into their work.

Matar has exhibited scientific knowledge and excellence since joining the ConocoPhillips family in 2009. Through his work on membrane technology and water treatment research, he has played an important role as a solution-orientated member of the ConocoPhillips Qatar team, working on developing solutions in water sustainability for the oil and gas industry.



Joel Minier-Matar with his SPIRIT Award for Outstanding Early Career Technologist.



## Standing with Qatar Always

Ever since the Gulf diplomatic dispute began in June 2017, artwork depicting His Highness the Amir of Qatar Sheikh Tamim bin Hamad Al Thani has become an inspiring symbol of unity for citizens and residents alike.

Widely coined Tamim Al Majd (Tamim the Glorious), the iconic portrait was initially designed by Qatari artist, Ahmed Al-Maadheed. In recent months, Al-Maadheed's creation – along with similar murals – now adorns buildings across the country, dominating the Doha skyline. What's more, the gigantic installations have become gathering points for the community outside schools, office buildings, and government ministries.

The ConocoPhillips SPIRIT Values call on us to become good neighbors and citizens in the communities where we operate. For this reason, and many more, a number of ConocoPhillips Qatar members wrote messages on the mural stationed outside our offices at the Gate Mall. Joining together to express solidarity with fellow members of the community, we demonstrated our commitment to standing alongside our friends, partners, and stakeholders. Doing so will help us build and nurture our relationships in the country, and maintain the "Teamwork" element of our SPIRIT Values.

We intend to continue to support the Qatari community as a neighbor and responsible corporate citizen now, and in the years to come.



Members of ConocoPhillips signing the traditional Tamim Al Majd.

At **ConocoPhillips** we believe that it's not just what we do that's important, but how we do it. We never forget our responsibility to be a good neighbor and a great place to work.

# GLOBAL WATER Sustainability Center

ConocoPhillips



Copyright © 2018 ConocoPhillips Qatar