

the arabian sun

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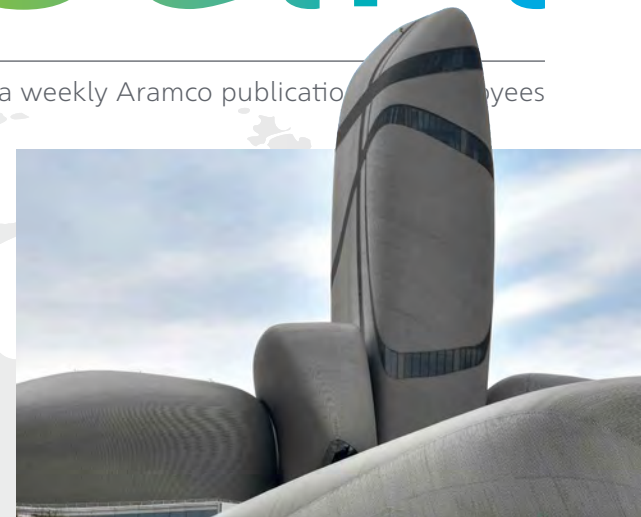


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Second in a series

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In this photo from 1949, two Saudi employees of Aramco guide a drilling pipe and bit through a rotary table on a rig near Abqaiq. Today, the scope of drilling is similar, although more advanced. Photo by T.F. Walters.



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Shared vision: Aramco, China committed to growth, environment

On Aug. 19, Mohammed Y. Al-Qahtani, senior vice president of Downstream, attended via video-link the China-Arab States Expo held in Yinchuan, in north-west China's Ningxia Hui Autonomous Region.

Opening his speech, Al-Qahtani thanked the organizers for the opportunity to share his thoughts during the continuing pandemic, noting that President Xi's historic Belt and Road Initiative is a platform for building a global community and a shared future, offering Arab nations, in particular, a solution for common prosperity and development.

"Aramco is delighted to be a partner in progress through our long-standing trade and investment links with China and privileged to help advance our many shared strategic priorities," he said.

Economic transformation

"China's economic transformation has been remarkable. ... And Aramco's commitment to its energy security and economic development is stronger than ever. From our initial crude cargo in 1991, to reaching almost 17% of China's crude imports in the first half of this year, Aramco has safely and reliably supplied China with almost 7 billion barrels of oil ... making us China's No. 1 crude

oil supplier. Even better, the barrels we supply have one of the world's lowest Upstream carbon intensity footprints," Al-Qahtani said.

Al-Qahtani went on to note that over the past 30 years, Aramco and China's bilateral relations have grown far beyond the buying and selling of crude oil, to a diversified investment portfolio, and even joint operations.

These include refining projects such as the Fujian Refining & Petrochemical complex and the YASREF Joint Venture in Yanbu', Saudi Arabia, as well as a range of cutting-edge research and industry partnerships.

"And with SABIC now a part of Aramco's global enterprise, we see a game changer in Downstream opportunities, with a scale and mix of products to expand our investments and partnerships in China," Al-Qahtani said.

Circular carbon economy

Noting the urgency to balance economic and environmental goals, Al-Qahtani said that Aramco believes in the circular carbon economy approach, as endorsed by the G20 Energy Ministers, as the framework for achieving the greatest impact.

"We want to work with China to leverage our industry leadership on emission reduction ... as well as our innovations to reduce, reuse, recycle, and remove carbon dioxide ... and bring about more sustainable energy solutions," he said.

"For example, chemicals hold tremendous promise. Here, we plan to leverage our cutting-edge direct crude to chemicals conversion technology. In addition, we are pursuing new sources of energy such as blue hydrogen."

In closing, Al-Qahtani highlighted that human talent and technology remain Aramco's greatest resources. "Our Research Center in Beijing, and SABIC's Technology Center in Shanghai, are working "at the speed of science" to support China's efforts to become self-sufficient in groundbreaking, futuristic technologies."

"In fact, China is the hub from which Aramco supports our entire business across Asia, with an organization comprising 185 employees — more than 90% of whom are Chinese. And we have more than 80 Saudis fluent in Mandarin, having earned their degrees from Chinese universities."

"Together, China and Aramco are making progress toward some very powerful goals," Al-Qahtani said.



Over the past 30 years, Aramco and China's bilateral relations have grown far beyond the buying and selling of crude oil, to a diversified investment portfolio, and even joint operations.

— Mohammed Y. Al-Qahtani

Learn how to learn at Ithra's 'Learning Beyond' conference

The King Abdulaziz Center for World Culture (Ithra) is excited to announce further details on next month's "Learning Beyond 2021" conference, a platform highlighting the best practices in learning held under the theme "Learning How to Learn." The program is aimed at preparing the Kingdom for the future by taking a creative approach to learning and by emphasizing cross-cultural engagement.

We are striving to harness innovative, accessible, and diverse resources to empower and support the attendees of different backgrounds by delivering a tangible impact on their human development. The conference will encompass a range of talks, workshops and other activities over two days, Sept. 10 and 11, 2021.

Ithra is partnering with leading organizations and experts from Saudi Arabia and the rest of the world to present the two-day conference.

Platform for new experiences

Ithra strives to strengthen partnerships with entities with whom we have shared goals. The Center presents "Learning Beyond" in collaboration with local and international organizations: Saudi Aramco as a strategic partner, as well as other parties, including Dhahran Ahliyya Schools, the Mawhiba Organization, and the Nuhou Education Center, in addition to several international specialists and experts.



"Learning Beyond provides a platform where individuals can come together to indulge in new learning experiences. It helps you turn every opportunity into a learning opportunity," says Nourh A. Al-Zamil, Ithra's head of Learning. "Attendees will benefit from the conference's range of experiences that emphasize an innovative approach to learning, as well as the concept of lifelong learning."

The program is targeted at educators, content creators and developers, as well as parents; featuring talks, workshops, panel discussions, learning experiences, networking opportunities, and more. In addition to specialized sessions for these audiences, the Learning Beyond agenda includes items that will

appeal to all attendees. Education reformer and social entrepreneur Kiran Sethi will deliver the keynote address, titled "Human by Chance, Human by Design." The second day keynote speaker includes an empowering talk by A.J. Juliani, bestselling author of education books and the head of Learning and Growth at NextLesson, and a facilitator for the University of Pennsylvania Graduate School of Education.

Fostering creativity

Attendees can also look forward to a design for change panel discussion and insight on unconventional classrooms, fostering creativity, technology experiences, and the power of EQ in the learning environment. Other sessions with broad appeal include experimental play, engaging through art, the philosophical child, and digital well-being.

Focused on professional engagements and skill building exercises, the program encourages a positive, tangible impact focused on sustainable growth. It offers ideas for content developers to communicate more creatively to attendees, unlocking new forms of learning to herald



We are striving to harness innovative, accessible, and diverse resources to empower and support the attendees of different backgrounds by delivering a tangible impact on their human development.

a new environment of creative learning within the Kingdom.

The Learning Beyond conference will be conducted in Arabic and English. Participants can register directly through Ithra's website at www.ithra.com/en/learning-beyond/.

For more information on Ithra and its programs, visit www.ithra.com.



Scan to register and attend learning beyond conferences.

Focusing on the role of offshore in sustainable energy

By Heather O'Connor

Houston — The world's premier oil and gas show, the Offshore Technology Conference (OTC), resumed this year in a hybrid format with in person and virtual events. Aramco continued its support of the conference, Aug. 16-19, which is sponsored by 13 industry organizations and societies covering all aspects of the energy industry.

"Focus on the Future: A Global Perspective on Offshore Energy" set the stage for discussions on the energy transition and how offshore exploration and production continues to achieve emissions reduction from operations with a look ahead at new investment and emerging energy opportunities.

Far-reaching impact

Aramco's longtime support for OTC underscores the company's commitment to the offshore sector with its long-term investments, partnerships, research and development, and technology advances that has made it one of the world's leading reliable energy providers.



With Houston home to some of the largest offshore companies and energy-related supply and service companies, Aramco's offshore field investments and upgrades have a far-reaching impact, both in Houston and globally.

Through the years, Aramco's knowledge sharing of technical advances and breakthrough research in areas such as drilling

muds and cements, reservoir engineering methods, and subsurface sensing and control, have been the mainstay of OTC's technical program and panel discussions.

For the second year, the company sponsored Energy4Me, a STEM outreach program developed by the Society of Petroleum Engineers and OTC. Houston area teachers were provided with a full day of



The industry's first nanocomposite resin coated sand. Mohammad Haque, Production Technology, Aramco Research Center-Houston, explains the process of increasing the mechanical strength of abundant in-Kingdom sand to make it strong enough to be used as a proppant for hydraulic fracturing treatments in support of domestic gas development for unconventional plays.

workshops, hands-on training, and energy-related materials to take back into their classrooms. Teachers toured the OTC exhibit floor to learn about the challenges of exploring for energy offshore and the latest technologies.

Aramco served as a corporate sponsor, technical program contributor, and exhibitor.

U.S.-Saudi Business Council hosts Aramco Supplier Forum



Key speakers at the Aramco Supplier Forum included Nabeel I. AlAfaleg, president and CEO of Aramco Americas, and Delano Roosevelt, president and CEO of the U.S.-Saudi Business Council.

The U.S.-Saudi Business Council hosted an Aramco Supplier Forum alongside OTC for U.S. companies interested in doing business with Aramco. The event drew approximately 140 attendees, both in person and online.

Our company's growth and transformation offer substantial opportunities for suppliers, manufacturers and investors in a number of key energy sectors, with a special focus on sustainability and decarbonization products; technology for 3-D printing and robotics; industrial applications of steel plate manufacturing, modular construction, and energy storage; and materials such as nonmetallics and carbon fiber.

Representatives of King Salman Energy Park (SPARK) also participated in the forum and had an opportunity

to discuss their key expansion projects and localization efforts.

Nabeel I. AlAfaleg, president and CEO of Aramco Americas, provided opening remarks along with Delano Roosevelt, president and CEO of the U.S.-Saudi Business Council. AlAfaleg talked about the importance of Aramco's partnerships with U.S. businesses and addressed win-win opportunities.

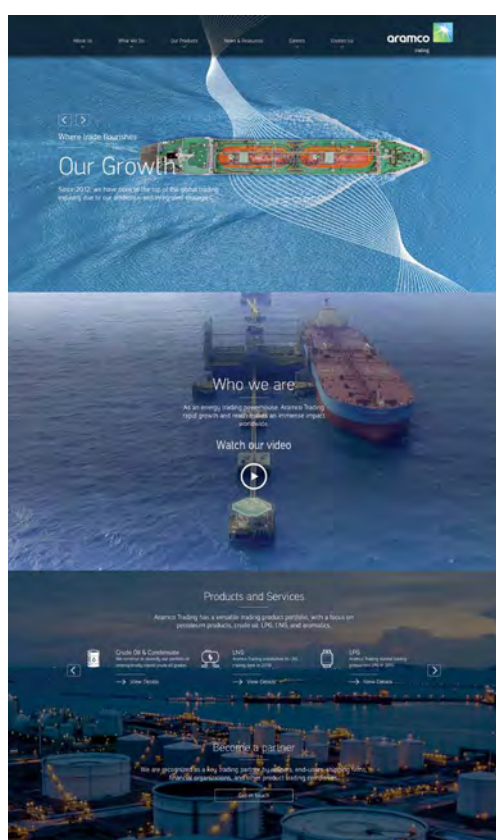
Dan Brouillette, former secretary of the U.S. Department of Energy and current president of Sempra Infrastructure, was the keynote speaker during the luncheon. He emphasized the need for those working in energy to remain at the forefront to ensure global sustainability — to lean in to investments and technology innovation, especially in such sectors as LNG and carbon capture.

ATC launches new creative, easy-to-use website

The Aramco Trading Company's (ATC) new modern and easy-to-navigate website fully illustrates how the relentless creativity of the company's 300 team members form the beating heart of its commercial success — today and in the future. Their resilience, especially demonstrated during the COVID-19 pandemic, will propel ATC's new era and an even stronger, more proactive, and competitive business partner for its clients worldwide.

The newly enhanced digital platform reflects ATC's internal ethos of diversity, flexibility, and inclusivity. All staff are encouraged to maximize their intellectual and innovative potential, as per the company's five key values that are detailed on the website: Accountability, Citizenship, Integrity, Safety, and Excellence.

"Our enhanced website features give visitors greater visibility on how our world-class staff achieve their groundbreaking results, which has underpinned our international success over the last decade — and will do so at an even greater pace for the next decade," said Ibrahim Q. Al-Buainain, president



and CEO of ATC. "The new website also gives insight into the diverse range of fuel markets in which we compete globally, and shows our ambition to be

increasingly influential on the global stage in the 2020s and beyond."

Hearts and minds

Key to ATC's future is its ability to successfully engage with clients across the value chain and in every corner of the world, which is largely due to the presence of 26 nationalities in the company's workforce. Gender diversification is equally important to ATC, with more than one-third of the team being women — a number the company is very proud of and determined to increase.

ATC's internal breadth of commercial competence and cultural awareness enables it to serve clients' business aspirations in every product and market it operates in, with its ability to respond to business dynamics on a 24/7 basis reinforced by its global network of offices. Headquartered in Dhahran, Saudi Arabia, ATC also has subsidiaries, including Aramco Trading Singapore, Aramco Trading Fujairah (UAE) and Aramco Trading Limited (London).

"The new digital platform celebrates the 'hearts and minds' of those who ad-

Employees' innovative spirit lies at the heart of the Aramco Trading Company's (ATC) future, as highlighted by the launch of the global trader's progressive website.

vance ATC further every day. Since being established in 2010, the employees have ensured that every new chapter in ATC's journey is more innovative and successful than the last — we have no doubt this website represents another leap forward," added Al-Buainain at the launch of the new platform.

To visit the new website: <https://cms.aramcotrading.com/en/>

The Aramco hydrocarbon journey

Drilling | Decades of greenhouse gas mitigation in our operational DNA



by Janet Pinheiro

Khurais Field — At 9:45 a.m., hydrocarbons flowed safely into 70 meters of a temporary 3-inch pipe lying on the scorched June summer sands of the southern ad-Dahna desert.

Years ago, the pipe's contents — the first portion of gas associated with a well's new production of crude oil — may have been flared. While the pipe will flow under the blazing sun for only a few hours, its successful connection from drilling rig ADC-45 to the wellsite's production manifold flow line, is the culmination of a process planned for weeks in advance.

Recovering well hydrocarbon gases and oil from a well's restorative flow back is a technique requiring high expertise, and particular attention to safety.

Significantly, a gas tie-in is a substantive greenhouse gas mitigation action Aramco applies to suitable drilling operations, when it is safe to do so.

Emissions-free natural gravity

Drilling rig ADC-45 has been temporarily erected to attend to the needs of well KHRS-590.

Tucked alongside desolate rolling sand dunes in a 10,000 m² fenced off site, the sleeping well has a production problem.

Oil well fluids — oil, dissolved gas, salty water and some hydrogen sulfide — are typically under pressure from thousands of compacted rock formations trapping them in

Drilling, the heartbeat of the petroleum industry, at Aramco involves drilling through layers of soil, rock, salt, and other obstacles, to a reservoir in the layer of Earth known as the Arab Zone.



Foreman Saad S. Garni monitors the successful connection of a gas tie-in from drilling rig ADC-45 to the wellsite's production manifold flow line.

a reservoir underground. Drilled in 2016, the pressure of well KHRS-590 has dropped, and Drilling and Workover crews are working to restore well production.

Aramco primarily uses reservoir pressure for its crude oil production — no pumpjacks sit atop the company's reservoirs — as gravity, free from nature,

is also free from emissions.

Natural underground pressure can decrease over time. If a reservoir's pressure needs a helping hand, the company may inject desalinated seawater, or use other approaches, around the edges of the reservoir, under the oil to give it an upward push up toward the wells.

Restoring well pressure with zero flaring

The hydrocarbons flowing through the flow back tie-in pipe — secured against any pressure surge — means the well's pressure has been successfully reestablished.

Flaring used to be the safest way to deal with the pipe's gases, which poses a hazard to people working on a drilling workover.

Today, a flare minimization plan is in place. Innovation and methodical management now means the hydrocarbon is gathered, instead of wasted.

Foreman Saad S. Garni, meticulously managing the well's tie-in, says zero flaring initiatives are an important environmental action.

"For drilling and workovers, having all hydrocarbons flow smoothly and safely to the production line achieves zero flaring," he said.

"Flaring is a waste of assets for the company, and impacts the environment."

Garni cautioned that careful planning and execution was needed to gather the hydrocarbons from a flow back operation, and ensuring that all safety precautions were in place.

"I am responsible for people's safety and for protecting the environment," he

“For drilling and workovers, having all hydrocarbons flow smoothly and safely to the production line achieves zero flaring.”

— Saad S. Garni

Khurais, an intelligent field, was named a world leading manufacturing facility by the World Economic Forum in 2020 for its futuristic technology. A parallel Khurais digital twin keeps a 24/7 real-time electronic eye on end-to-end operations.

Big data analytics and machine learning monitor each well in the Khurais field, bringing environmental and business benefits of energy efficiency, quicker failure identification, and enhanced reservoir management.

Global fleet working as one team

With more than 200 drilling rigs under its management, Aramco is responsible for one of the world's largest contracted drilling fleet.

The drilling fleet's contractors come from across the globe — Middle East, Europe, Asia, the Americas — but work together as one, abiding by Aramco's global operational standards, which reflect standards like the American Petroleum Institute and the International Standards Organization 9001, 14001, and 45001.

Each Aramco drilling site, operating 24/7 for periods ranging from a few

weeks to some months, follows instructions in a drilling program from the company's drilling engineers, and company health, safety and environmental (HSE) inspectors visit each rig twice a year to conduct intensive HSE compliance checks.

Drilling turning circular

Aramco's goal is to be a leading company in the circular economy, which includes developing environmentally friendly initiatives to reduce its footprint. The company recently trained and certified more than 1,400 of its employees on the circular carbon economy, and Garni said it was important everyone strived to adopt the principles of circularity.

"Unchecked human activities can waste resources, impacting our planet negatively, and we all need to innovate to take better care of it."

Drilling fluids — commonly known as "mud" — serve numerous functions in drilling, such as cooling and lubricating the drill bit, controlling formation pressure, cleaning, and carrying out cuttings to the surface.

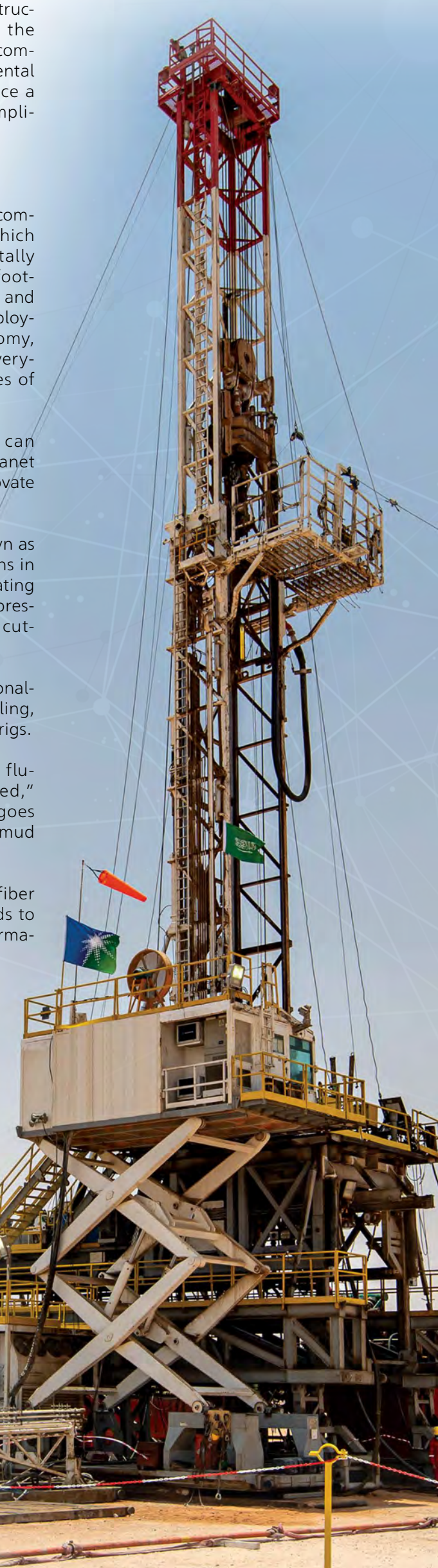
Unused or reclaimed mud, traditionally a large waste component of drilling, is shared between Aramco drilling rigs.

"When a rig has surplus drilling fluid, other Aramco rigs are notified," said Garni. "If no rig needs it, it goes into storage at Shedgum or other mud plants for later use."

When possible, Aramco utilizes fiber from unused local palm date seeds to make an "ARC" plug to seal rock formations in wells while drilling.

Drilling waste is classified, and either recycled or sent to the government and company approved disposal facilities.

Instead of automatic replacement of wellhead equipment and tubulars, they are now inspected, and refurbished for ongoing use.



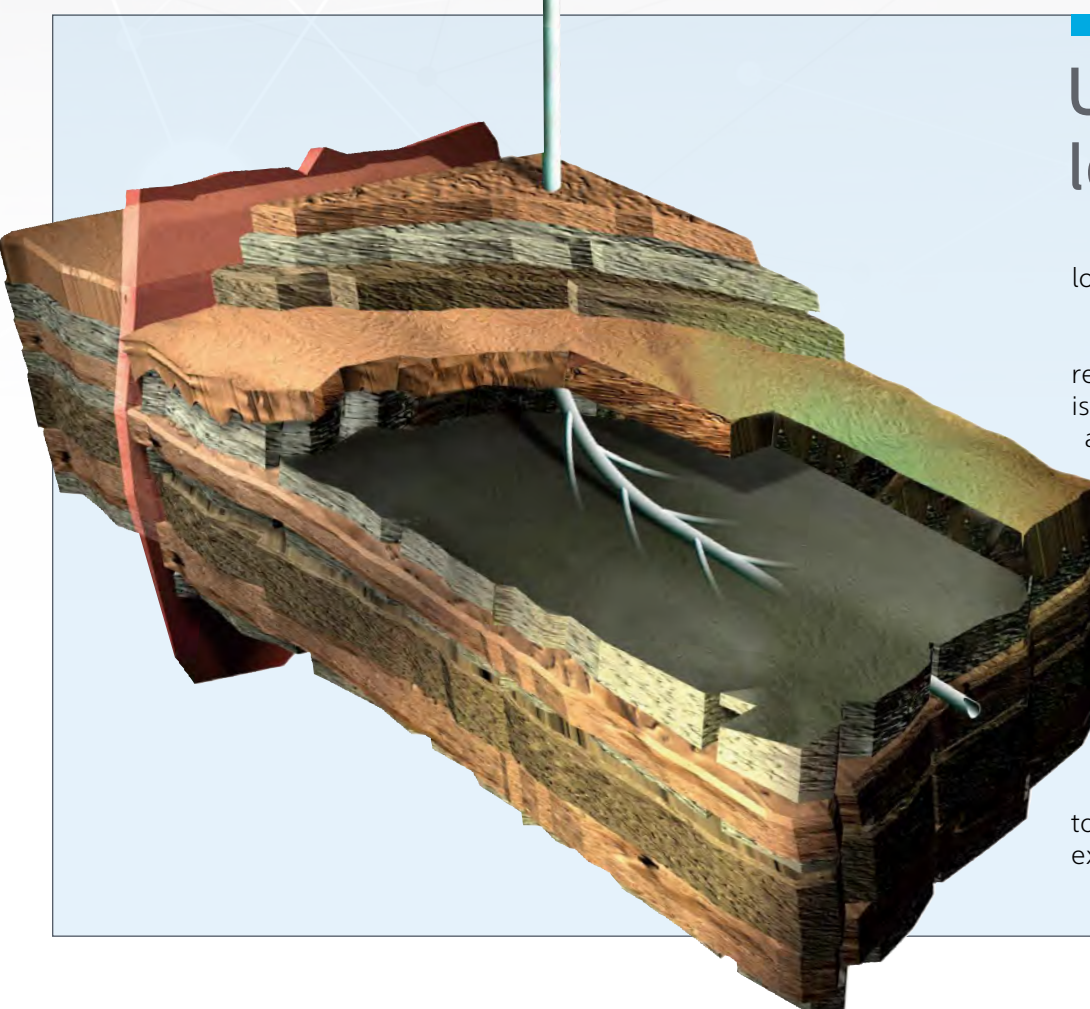
Using less for more

Technology for drilling has come a long way since its early days.

Drilling fewer wells in an oil field, but reaching the same amount of crude oil, is a win-win for both the environment and business.

Today, drilling holes curve horizontally off the vertical, and branch off with multiple junctions like branches of a tree known as "multilaterals."

Aramco began using horizontal drilling in the Berri field in 1991, and Shaybah, developed in the mid-1990s, was the Kingdom's first oil field to use horizontal and multilateral wells exclusively.



'Zero Routine Flaring by 2030'

Aramco, a signatory to the World Bank's "Zero Routine Flaring by 2030" initiative, is recognized as having one of the lowest flaring intensities in the industry.

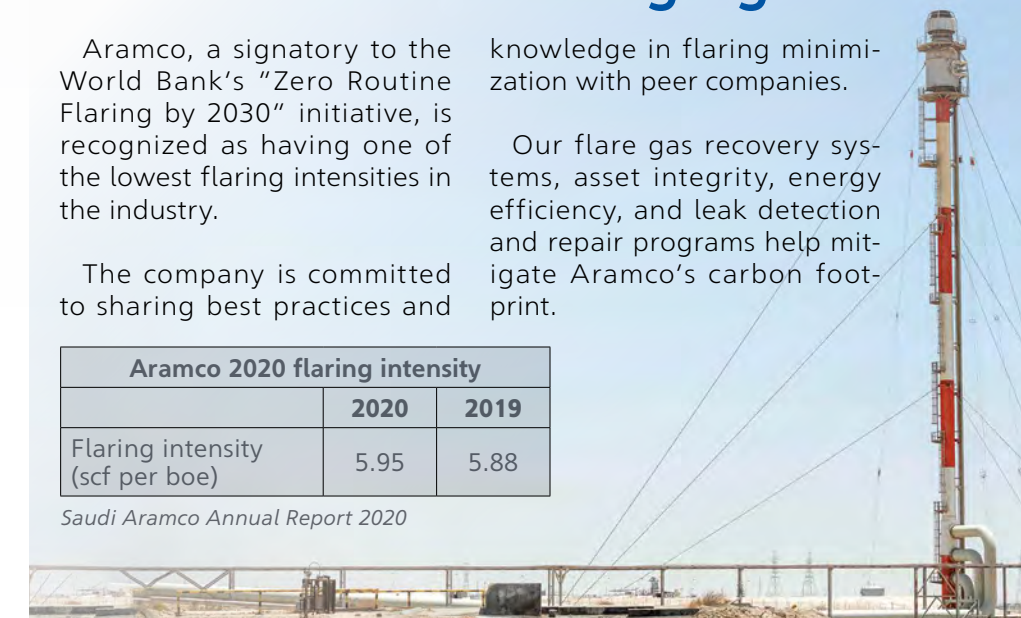
The company is committed to sharing best practices and

knowledge in flaring minimization with peer companies.

Our flare gas recovery systems, asset integrity, energy efficiency, and leak detection and repair programs help mitigate Aramco's carbon footprint.

Aramco 2020 flaring intensity		
	2020	2019
Flaring intensity (scf per boe)	5.95	5.88

Saudi Aramco Annual Report 2020



ARLANXEO solution ranks first of Top 10 elastomers for sustainability

Recently, a jury of experts in the field of polymer science and technology, ranked Aramco's subsidiary, ARLANXEO, first in *European Rubber Journal's* Top 10 Elastomers for Sustainability (E4S) 2021, for the project TECHSYN: a new tire technology platform combining chemically optimized synthetic rubbers from ARLANXEO with tailor-made silica from Solvay and improved mixing technology from Bridgestone.

TECHSYN enables improved fuel economy and tire wear properties at the same time, with no other performance trade-offs. As a result, tires made with TECHSYN contribute to reduced carbon dioxide emissions while enhancing tread mileage, and benefit from up to 30% better wear efficiency and a rolling resistance that is reduced by up to 6%.

Unique and custom based

Thanks to ARLANXEO's expertise in developing, manufacturing, and delivering novel tire polymers, Solvay's unique and custom-designed advanced silica materials and Bridgestone's compound technology, TECHSYN makes a significant contribution to improving environmental aspects.

Designing and delivering sustainable solutions is Aramco's commitment and corporate promise. Within this context, ARLANXEO strives to further improve the innovative and sustainable footprint of its products.

Upon the announcement of this suc-

cess, ARLANXEO CEO, Donald Chen, underlined: "We at ARLANXEO are committed to delivering outstanding, customer-centric, elastomer solutions. By bringing together in partnership the combined know-how, skill and creativity of three world-class companies that are championing different parts of the tire supply chain, we have been able to develop a new technology platform that offers new ways to address challenges specific to the tire industry. This technology makes a significant contribution to improving environmental aspects, which is at the heart of the shared vision for sustainable product solutions held by the three companies that made it all happen."

Herman Dikland, ARLANXEO chief technology officer, also noted that, "ARLANXEO and its two partners' achievements impressed the E4S judges with the collaborative approach taken to fast-track the development of TECHSYN, in just 24 months, during the ongoing COVID-19 pandemic, and all consequent hurdles.

TECHSYN was made possible thanks to the unique cooperation and understanding between the three companies, three leading companies in their industry, three distinct and cross-functional teams based in different parts of the world, three ways of working, under a common goal and vision, with mutual trust and dedication."

"In addition, ARLANXEO Keltan® Eco ranked Top 10 E4S twice in a row for both 2020 and 2021. This is a great recognition of ARLANXEO's remarkable achievement in our innovative sustainable product solutions. We are honored, as a leading company, we also thank our partners, Bridgestone and Solvay, our employees, the judges and our customers for such appreciation," said Li Birnie, global head of Corporate Communications.

For more information about the ERJ Top 10 Elastomers for Sustainability, click here: <https://www.european-rubber-journal.com/news/new-elastomers-sustainability-top-10-projects-announced>

People live, when people give H&R and Corporate Services emphasizes the idea of giving for living

Aramco's Human Resources (HR) and Corporate Services business line, in cooperation with King Fahd Specialist Hospital in Dammam, recently launched a blood donation campaign that allowed employees in Dhahran to donate blood for a period of 10 days.

The campaign ran from Sunday, Aug. 8, to Thursday, Aug. 19.

This initiative, which is part of our Corporate Citizenship efforts, helped support patients and showed appreciation for the hospital's contribution to saving the lives of injured patients. The campaign also emphasized the importance of blood donation among Aramco employees.

Adding value to society

A number of employees participated in the campaign, with each undergoing pre-donation laboratory tests to check their health condition, all while adhering to COVID-19 precautionary measures.



"The campaign comes within our framework of social, national, and humanitarian responsibility pursued by the company in launching seasonal donation campaigns to support blood banks," said

Nabeel A. Al-Jama', senior vice president of HR and Corporate Services. "Events such as this provide necessary health care for patients, which adds value to the life of the individual and society."

Al-Jama' noted the initiative came from employees in HR and Corporate Services, who expressed their desire to contribute. He extended his thanks to all the donors for doing their part to ensure the availability of sufficient blood supplies to help and support patients in the region.

Meanwhile, Aali M. Al-Zahrani, vice president of Safety and Industrial Security, praised the cooperation provided by the administration of King Fahd Specialist Hospital in Dammam for their partnership in this campaign, and the great participation from employees to donate blood.

Al-Zahrani further noted that this is not the first campaign of its kind, as blood donation campaigns have previously been organized in cooperation with Johns Hopkins Aramco Healthcare. He added that blood donation is a noble goal and a humanitarian duty that reflects the support that Aramco employees give back to society.

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Abqaiq Toastmasters back to learning and fun in person

By Ahmed S. Abdelmoeti

Under the theme of "Back to Learning, Back to Fun," the Abqaiq Toastmasters Club (ATMC) recently held its first face-to-face meeting since the start of the COVID-19 pandemic.

"Many things in life can be delayed or suspended due to tough circumstances such as pandemics, but learning and education never stop," said Sami S. Huwais, manager of the Abqaiq Plant Maintenance Department and ATMC champion. Huwais commended members for their dedication to attend the virtual meetings during the pandemic, encouraging them to continue their journey of learning by attending the physical meetings and educational sessions, "following all COVID-19 precautionary measures."

Like all Toastmasters clubs, ATMC

strives to achieve its goal and mission to provide a mutually supportive and positive learning environment in which individual members have the opportunity to develop oral communication and leadership skills, which in turn foster self-confidence and personal growth.

"I am so excited to be back to our face-to-face meetings. Although we conducted our meetings and events virtually for more than a year, it is wonderful to get the emotions, eye contact, and body gestures we missed during the virtual platforms," said Pratiksha Maheshwar, AMTC vice president of Education.

Enhancing critical thinking

ATMC holds its meetings on a biweekly basis, with some members giving prepared speeches to polish their public speaking skills and to educate the others.



The audience then provides constructive feedback to the speakers to refine their performance, which enhances critical thinking among the participants.

One of the most engaging and fun activities is the "Table Topics" session. During this part of the meeting, participants do impromptu speaking for one to two minutes on topics presented to them

on the spot. Personal stories along with humor are shared, which make this exercise the Toastmasters' favorite.

As the club meetings are held inside the Abqaiq community, ATMC accommodates and welcomes all families and employees to join the club to promote their communication skills and to enjoy the unique atmosphere the club provides.

Tony Morcos and his wife to retire after 11 years

Anthony G. "Tony" Morcos will be retiring from Aramco after more than 13 years in Saudi Arabia, and more than 11 years with the company. His most recent position has been a facilities planning specialist in the Process Automation Group of the Facilities Planning Department.

Morcos joined the company in 2010, joining the Facilities Planning Department. During his time with Aramco, Morcos was able to lead the planning of major capital projects through funding across multiple Aramco facilities, and said that he enjoyed working with wonderful people throughout and exploring amazing places in Saudi Arabia through work travel opportunities. His wife Dalia also found rewarding work as registrar with the Saudi Aramco Expatriate Schools (SAES), and was able to contribute her skills by coordinating the annual graduation celebrations and volunteering to help out with planning the out-of-Kingdom trips.

Aside from work, Morcos said that he



enjoyed participating in the wide variety of activities available for employees in the Dhahran Community. He served as president, coordinator, and assistant coach on the Dhahran Saad Falcons Ice Hockey Club, with whom his son Jonathan and daughter Juliana played. During his six-year tenure with the club, Morcos saw the club flourish from 60+ kids to about 120+ kids, and with the help of amazing part-time hockey coaches (also Aramco employees), observed the kids improve their level of play to the point that they won many gold medals

in the GCC championships. Morcos also served as secretary and vice president of the Arabian Kennel Club, and his family were also active in the Half Moon Bay Yacht Association, enjoying the waters of the bay on their Hobie 16 Catamaran and a powerboat.

'Great colleagues, mentors ...'

Whether at work or at play, Morcos said that the best part of working at Aramco and living in the Kingdom was the people he worked alongside and did ac-

tivities with.

"I want to express my sincerest thanks to all of you because of the times we worked together, played together, and just hung together; and for all you did to enhance our experience here at Saudi Aramco," Morcos said. "You were great colleagues, mentors, collaborators, confidants, and friends."

"We watched our two children grow into remarkable young adults, influenced by this precious journey, that we are sure has shaped them into well-rounded people, and filled them with memories that they would never forget," he added.

In retirement, Tony and Dalia plan to settle in the Tampa, Florida, area, close to their children who attend university in the state. Both Tony and Dalia say they look forward to traveling, spending time with family, and contributing to their community and their church through volunteer work. For those wishing to stay in touch, Tony's email address is: td-morcos1@gmail.com.

Not ready? Don't drive

In the same way that we check to see if our vehicle is safe to drive, we must also check and see if we ourselves are fit to drive. Before you hit the road, take a few minutes to ask yourself if you are mentally and physically ready to drive. Make it a habit to ask yourself, "Am I in the right state to complete the journey safely, both mentally and physically?" Failure of doing this might put your life or the lives of other innocent people on the road in danger.

You might need to check your health status with your doctor to confirm that you are able to drive a vehicle without losing control of it. As certain medical conditions may cause you to suddenly lose control of a vehicle, e.g., epilepsy or diabetes. Your doctor may also prescribe you medicine that may impact your ability to drive a vehicle.

Ability to control all aspects of driving

The physical check should include

your vision — can you see at night; and your hearing — can you hear sounds while driving, such as the seatbelt alert, and can you hear other car horns while on the road?

You must also be able to control all driving instruments, as there are certain injuries that prevent you from doing this. Do not drive if you suffer from any injury that prevents you from driving safely.

Your mood may also affect the way you drive a vehicle. Your mood is the emotional state that you are in at any certain moment. If you are angry, sad or very happy, this may negatively affect your concentration to drive safely. Avoid driving when you are very emotional, as this may lead to an accident.

If you happen to be in a different country, make sure you are aware of the driving laws and speed limits, and driving in new weather conditions, such as driving in snow.



And always remember that if you are not ready or your mental or physical status is not suitable for driving a vehicle, do not be shy about taking a taxi or ask a friend to drop you at your destination.

To summarize:

- Any physical or mental state can affect your ability to drive a vehicle —

don't drive if you are very emotional.

- Your mental state affect your ability to make good decisions.
- If you have any doubt or fear, use public transportation or ask someone to drive your vehicle instead.

Don't forget to test your knowledge about your readiness to drive by taking the Traffic Safety monthly quiz.



H&R and Corporate Services emphasizes the idea of giving for living

see page 6

JHAH launches its 2021 program of on-site rotations with expert physicians from Johns Hopkins Medicine (JHM)

 د. أوما سريكوماران رئيس قسم جراحة العظام بجامعة جونز هوبكنز في مستشفى مقاطعة هوارد العام. أستاذ مشارك في جراحة العظام. Uma Srikskumar, MD Chair, Johns Hopkins Orthopedic Surgery at Howard County General Hospital Associate Professor of Orthopedic Surgery	 د. إدوارد رايت مدير قسم الطب المصنعي البولي ورئيس قسم أمراض الجهاز البولي البروفيسور المساعد في قسم أمراض الجهاز البولي. Edward Wright, MD Director, Division of Reconstructive and Neurological Urology Chief of Urology at Johns Hopkins Bayview Medical Center	 د. هيثم القرين أستاذ مساعد في طب التخدير والمخاطبة المركزية. Haitham Al Grain, MD Assistant Professor of Anesthesiology and Critical Care Medicine
 د. مهران حبيبي المدير الطبي، مركز جونز هوبكنز لسرطان الثدي في جامعة جونز هوبكنز باينيو. Mehran Habibi, MD Medical Director, Johns Hopkins Breast Center at Johns Hopkins Bayview Medical Center Associate Professor of Surgery	 د. برايان متلاغا مدير مركز ستيفنز لأمراض الحصوات المسالك البولية. Brian Richard Matlaga, MD, MPH Director, The Stephens Center for Stone Disease Professor of Urology	 د. عاطف زاهر مساعد مدير برنامج تخصص الأشعة التشخيصية. أستاذ مشارك في الطب الإشعاعي والعلوم الإشعاعية. Atif Zaheer, MD Associate Professor of Radiology and Radiological Science Associate Program Director Diagnostic Radiology Residency
 د. هاريكريشنا تاندي مدير مشارك برنامج ظل تنسح البطين الأيمن (ARVD) أستاذ مشارك في الطب. Harikrishna Tandri, MBBS Co-Director, Arrhythmogenic Right Ventricular Dysplasia (ARVD) Program Associate Professor of Medicine	 د. مايكل آلن شويتزر مدير مركز جونز هوبكنز لجراحة السمنة أستاذ مشارك في قسم الجراحة. Michael Allen Schweitzer, MD Director, Johns Hopkins Center for Bariatric Surgery Associate Professor of Surgery	 د. رانجيت فارغيز المدير الطبي لعيادة إوجاج المفاصل أستاذ مساعد لجراحة العظام. Ranjit Vaghese, MBBS Medical Director, Arthrogyposis Clinic Assistant Professor of Orthopedic Surgery

Johns Hopkins Medicine U.S. urology expert, Dr. Brian Matlaga, on medical rotation at JHAH Aug. 29 to Sept. 2, 2021

If you are JHAH registered, have experienced kidney stones, and wish to request a consultation with Dr. Matlaga, please speak with your Primary Care physician by Aug. 29 by calling 800-305-4444, or log in to MyChart.

Dr. Matlaga is an internationally recognized expert in the medical and surgical management of patients with urinary stone disease. This expertise is built on his academic investigations of the pathophysiology and epidemiology of stone formation, as well as the advancement of minimally invasive surgical techniques.

Visit Johns Hopkins Medicine On-site to discover more about JHM On-site program, including:

- Physician profiles
- How to make an appointment
- The schedule of upcoming visits



Scan the QR code to visit the JHM On-site webpage.



Brian Matlaga, M.D., M.P.H.
 Director, the Stephens Center for Stone Disease, professor of Urology

On Aug. 15, 2021, Johns Hopkins Aramco Healthcare (JHAH) began the 2021 "JHM On-site" program, consisting of medical rotations with expert physicians from our partner health care system Johns Hopkins Medicine (JHM).

Throughout the program we are welcoming doctors from a wide range of specialties. These high-caliber physicians will share their expertise on the ground at JHAH facilities, taking part in reviewing cases, providing face-to-face patient consultations, and performing surgeries for our JHAH patients.

The first physician in the 2021 cycle is Dr. Haitham Al Grain. Dr. Al Grain is an assistant professor of Anesthesiology and Critical Care Medicine at the Johns Hopkins University School of Medicine. From Aug. 15 to 26, Dr. Al Grain will work alongside his JHAH counterparts to provide our patients with pain management and anesthesia services. While Dr. Al Grain's visit was allotted for prescheduled complex cases and procedures, upcoming specialists, including Dr. Brian Matlaga, Urologist, and Dr. Uma Srikskumar, Orthopedic Surgeon, and Dr. Michael Schweitzer, Bariatric Surgeon, will be available for patient consultations.

Together we can end the pandemic: Important COVID-19 vaccination update

In line with the Ministry of Health (MOH) directives, Johns Hopkins Aramco Healthcare (JHAH) is pleased to offer **second dose** vaccinations to **all vaccine eligible age groups** of Aramco employees and their eligible dependents who have received their first dose of the COVID-19 vaccine at JHAH.

Information about the second dose

How do I book an appointment for the second dose of the vaccine?

You can book your appointment using MyChart if you are registered for care at JHAH. You can also contact our call center at 800-305-4444 to book an appointment.

I want to know more

You can learn more about the COVID-19 vaccination and second dose appointments at: [JHAH.com/COVID-19-Vax](https://www.jhaah.com/COVID-19-Vax).



#TakeTheStep **خذ الخطوة**
 Get Vaccinated **خذ اللقاح**



مركز لقاحات كورونا
 كوفيد-19
 Vaccine Center
 COVID-19

مركز جونز هوبكنز
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