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Enabling seamless access for employees

The first phase of the state-of-the-art facial recognition technology has started at company locations. This new digital process will enable seamless access for employees.

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Ju'aymah's Rimthan-2 retired

After service of more than 40 years, the *Rimthan-2* was retired from service on Dec. 31, 2020. The replacement, *Zamil-601*, was modified and updated with the latest technologies.

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a weekly Aramco publication for employees

Ithra launches new Creative Solutions program

The new program is designed to build and support the growth of the creative economy in the Kingdom, and will focus on the use of immersive technologies, including AI, virtual, augmented, and mixed reality.

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Stay informed, and more.

| Stay informed, and more. | Stay informed | Stay in

New technology rollout to cut environmental, construction costs dramatically in GCC first

Offshore Projects transforming from classical trenching technique to latest technology

Project Management (PM) is set to deploy an innovative underwater pipeline laying technology, which will cut environmental damage by almost half, and construction time by almost one-third.

Offshore projects are unique in nature where specialized and expensive construction resources are required to execute the work with many challenges to address.

Seabed trenching is among the most challenging activities in offshore projects, due to the long execution duration, and the involvement of multiple offshore resources. Conventionally, a trench can be cut into the seabed with a backhoe until reaching the targeted depth below the mudline to install subsea pipelines or cables, followed by backfilling.

Reducing environmental footprint

The new post-lay trenching technology is capable of digging undersea trenches and filling them in simultaneously. The technology has two trenching modules installed on top of a pipeline, which are aided by sensors to create an optimized trenching profile that brings the pipeline to a targeted depth below the seabed. As a result, the disturbed area from the seabed is reduced by 45%, while construction time is shortened by 30%, when compared to conventional methods.

Apart from the positive economic impact, the reduction of the environmental footprint includes mitigating the impact on several threatened marine habitats in the Arabian Gulf, such as coral reefs, fish hatcheries, sea grass, and mangroves.



module installed over a pipeline performing post-lay trenching.

A trenching

In addition to the cost resulted from schedule savings, a significant cost reduction can be assumed from the eliminated environmental protection and impact offset requirements. For instance, silt screens are installed at both sides of the trenched corridor, to localize the turbulence resulting from bigscale trenching operations. With the minimized mud turbidity resulting from the deployment of this trenching technology, the installation process can be significantly minimized, and in many cases eliminated, from the project requirements.

Abdulaziz Al-Dulaijan, OPD manager, said the new technology was first seen in a gas field development off the northern coast of Egypt.

"Due to the encountered challenges observed from previous trenching projects, (the) Offshore Projects team of Aramco has been continually exploring international best practices to facilitate bottlenecks and encountered challenges of the projects," Al-Dulaijan said.

"The subject technology was noticed during the early development stages, and monitored during its first-time deployment," he said.

"After noticing the successful completion of this project, a taskforce from Project Management, the Consulting Services Department, and Marine was formed to evaluate and capitalize on the technology for its first ever deployment in the GCC zone.

"As a result of minimizing the number of offshore resources, PM realized a significant cost reduction when compared to the classical trenching approach, in addition to the environmental protection benefits," he added.

On the trail of Aramco's strategy to optimize project resources and minimize the environmental footprint, OPD has concluded its efforts to qualify the post-lay trenching technology.

Your voice

Bv Jamal A. Al Noubani Dhahran Jamal.Noubani@aramco.com

Your Voice reflects the thoughts and opinions of the writer, and not necessarily those of the pub-

Reread, rethink before sending that imprudent email reply

Have you been in a situation I have been in this situation a few emails; we're all human. that made you really angry? What did vou do? Did vou fire back vour response immediately? Most of us may have been there at some time during our careers. You ask yourself, "How do I respond to this email?" You are aware that the way you reply may impact you, your health, and may even affect your family life if you take it home with

Therefore, we need to think twice before we reply. I know it is easier said than done, especially when you feel tension and you know that the sender is waiting for your response. However, always remember that responding angrily will do nothing to subside the tension, and can hurt you in the long

where you have received an email—times and I have felt really sorry for responding so quickly to emails with the same angry tone. As you grow older and more experienced, you start to realize that you may need to reread such emails again, and even take a break and cool your mind before hitting that "Reply" button. If you do so, you will often realize that you were only reading between the lines and you were assuming that there's more to it than just what's there.

> One important thing that we need also to keep in mind when receiving similar emails is that we shouldn't take it personally or feel offended. Remember that other colleagues or even your superiors, who are sharing the same work environment, might be under a lot of pressure themselves when they send such

When you consciously stop yourself replying emotionally to negative emails, after a while you will start to write replies that demonstrate your professionalism and create fewer conflicts with friends and associates. No matter what happens, it's best not to get angry or defensive in your responses. We should learn to stay cool and calm, and maintain good relationships with all our colleagues so that they can remember only the good things about us.

We should think twice, not only when replying to such emails, but also to any negative communications we may encounter in life, at work, or even at home. We should train ourselves not to overreact so we can grow and bring out the best in ourselves and others.

Six new centers demonstrate company commitment to employee well-being

JHAH COVID-19 Vaccination Centers Launched

The Aramco medical joint venture, Johns Hopkins Aramco Healthcare (JHAH) has launched the COVID-19 Vaccination Program for Aramco eligible medical recipients. This breakthrough has been achieved just three weeks after the first planning workshop with the Ministry of Health (MOH).

Furthermore, JHAH is the first company from the business sector to deliver an inhouse vaccination program.

This is a clear demonstration of Aramco's commitment to our communities' safety and health.

On Thursday, Feb. 18, the first communication was shared with Aramco employees encouraging them to register to receive the COVID-19 vaccination in a JHAH location. In the following days, thousands of Aramcons and their eligible dependents completed their registration. The vaccination program follows the MOH guidance and advice.

On Sunday, JHAH launched the first four of the six planned phase one COVID-19 Vaccination Centers: Dhahran, Al-Hasa, 'Udhailiyah, and Tanajib. The remaining two centers, Abgaig and Ras Tanura, will go live by the end of the week.

COVID-19 Vaccination Centers:

- Dhahran
- Al-Hasa
- 'Udhailiyah,
- Tanajib
- Abgaig • Ras Tanura



CEO Amin Nasser is ioined by Nabeel A. Al Jama', senior vice president of HR and Corporate Services, as they visit the JHAH vaccination Center in Dhahran. (Photo: Ahmad El Itani/MPD)

We have been fighting long and hard against this pandemic and the vaccination is a way back to normal life, but now isn't the time to relax any of the measures we have in place.

- Amin Nasser

Each individual registering will need to complete their own online form.

Already registered, but not vaccinated?

If you have registered with the MOH, but have not yet received a vaccination appointment, you are encouraged to register with JHAH. You should then accept the first available vaccination appointment and complete your COVID-19 vaccinations with the health care provider, either JHAH or MOH.

If you have questions about the JHAH COVID-19 Vaccination Program, please speak to the JHAH team at 800-305-4444. or visit the FAQs on JHAH.com. For specific questions about the vaccine, please call the MOH at 937.

Remember, even after you have received the vaccine, please continue to follow infection prevention measures to keep everyone safe and well.



Visit JHAH COVID-19 Vaccination page.

On Monday, Saudi Aramco president and CEO Amin Nasser visited the Dhahran Vaccination Center.

Nasser stated, "Aramco's in-house COVID-19 Vaccination Program delivered via JHAH shows our commitment toward our employee safety, health, and well-being. Vaccines work handin-hand with the basic public health measures — wearing masks, washing hands, and maintaining safe distancing — these are all still essential to control the spread of the virus until full abatement. We have been fighting long and hard against this pandemic and the vaccination is a way back to normal life, but now isn't the time to relax any of the measures we have in place."

How to get started:

JHAH registered

If you are registered to receive care at JHAH, and have an active MyChart account, it is easy. Log in to MyChart to complete the COVID-19 questionnaire to register your interest in receiving the vaccination in a JHAH facility.

MDF or BUPA registered, or JHAH registered without MyChart

If you are registered to receive care at a Medical Designated Facility (MDF), are covered by BUPA, or you do not have a My Chart account, you can complete our online form to register your interest in receiving the vaccination in a JHAH facility.

COVID-19 Vaccinee Journey



The vaccinee should arrive 15 minutes before their scheduled appointment.



After parking, they will be welcomed by a greeter outside the facility. They will be offered wheelchair assistance, if needed.



A greeter inside the facility will check the vaccinee's Tawakkalna health profile.



The vaccinee passes through the temperature screening station and follows the floor signage to the registration desk.

Reception

مركز جونز هوبكنز أرامكو الطبي **Johns Hopkins** Aramco Healthcare

The nurse asks the pre-screening questions, administers the vaccination, and gives the vaccinee the "Thank You" card.



Once their number is announced, the vaccinee follows the floor navigation to the vaccination clinic.

Waiting



The scheduler registers the vaccinee, gives them a "que-matic" ticket*.

Exit



نحن نهتـم We Care

Clinics

Clinics

If the vaccinee is driving, or is assessed as at-risk by the nurse, they will be guided to the Observation Area for 15 or 30 minutes before leaving.

Clinics



The vaccinee receives the Customer Satisfaction Survey.



The vaccinee automatically receives an SMS with their 2nd appointment the day their 1st dose is administered.

У 🗗 ◎ 🛅 800-305-4444 | www.jhah.com



Exit

* "Que-matic" ticket system used in Dhahran and al-Hasa Vaccination Centers

Aviation Department soars after gaining GACA go-ahead

By Musherf S. Alamri

Riyadh — The Aviation Department has successfully obtained five operating certificates from the Saudi Arabian General Authority of Civil Aviation (GACA).

The department, which also holds U.S. Federal Aviation Administration (FAA) certification, operates one of the largest corporate fleets in the world, with 42 aircraft flying more than 700,000 passengers to 600 destinations in a normal operating year.

"The completing the certification requirements shows the professionalism ... the Aviation Department has cultivated across decades of operations," said Fahad M. Al Abdul Kareem, executive director of Industrial Services.

"Obtaining the certification ensures that Aramco is aligning its operations with new regulatory requirements in the Kingdom," Al Abdul Kareem said.

Quality and skills

Khalid H. Al Natour, manager of the Aviation Department, said the organization worked hard to complement its FAA certification with the five GACA certificates.

"The department will still need to meet the same stringent flight



crew training, and our aircraft will be required to be maintained at enhanced safety standards required of commercial airlines," Al Natour said.

Yaser A. Badr, a senior training captain with Aviation Technical Training Standards, said the rapid certification was due to high levels of compliance and diligent reporting.

Higher standards

The certification process included dealing with extensive documentation, including 37 manuals, some of which are thousands of pages long.

Operating with Saudi certification will result in higher standards and enhanced communication, accord-

ing to the department, as it will be corresponding with GACA officials in Riyadh or Jiddah instead of with regulatory representatives overseas in different time zones.

Meanwhile, the helicopter pilots, fixed wing pilots, and maintenance crews are all in the process of obtaining Saudi licenses in accordance with GACA regulations and in addition to FAA standards.

"While the certification has changed, the Aviation Department continues to maintain one of the The following is a list of the licenses provided to the Aramco Aviation Department on Jan. 28, 2021:

- GACA Air Operator Certification Part 125 for noncommercial airplanes.
- GACA Air Operator Certification Part 133 to operate aerial dispersal of liquids, such as oil dispersants, from Air Tractor planes.
- Three GACA Part 145 Certifications for Aramco maintenance stations at Dammam, Ras Tanura, and Tanajib.

biggest corporate fleets in the world to ensure that the company has unrivaled air mobility to continue to produce energy to the world," said Al Abdul Kareem.

Aramco awards Shaybah NGL infrastructure contract to Wison Engineering in IKTVA win

Shaybah — Aramco has awarded an engineering, procurement, and construction lump-sum contract for dew point control facilities (DPCUs) at the Shaybah natural gas liquids (NGL) plant, in the heartland of the Rub' al-Khali.

The project, awarded to Wison Engineering, which is based in Shanghai, China, is designed to remove heavy hydrocarbons from feed gas and increase gas processing capacity from 1.8 to 2.4 billion standard cubic feet per day. DP-CUs stop solid hydrates from forming in gas streams.

The work, which will support the growth of the Kingdom's petrochemical industry, the In-Kingdom Total Value Add (IKTVA) program, and local employment, includes:

- Installing four DPCUs, two propane refrigeration units, and one condensate stripper unit, which will be installed upstream of the existing acid gas removal units (AGRU) and the NGL recovery plant.
- Upgrading two AGRU facilities, or trains, which remove gases such as H_2S and CO_2 .
- Expanding an existing substation to



accommodate new power loads.

• Installing two regeneration gas heaters in existing NGL liquefaction and purification trains.

The construction will be in modular packages due to the remoteness and special construction challenges at Shaybah, ensuring quality control and enhancing construction schedule completion.

The DPCUs, which make up the majority of the project's scope, will consist of 76 modules fabricated in a modular yard and transported to the remote desert for installation.

This is the first oil and gas project directly awarded to Wison Engineering by Aramco, and in which a modularization construction concept will be utilized. The engineering services company was selected based on its successful execution of modularization projects worldwide.

An in-Kingdom engineering design office has been selected to support the Saudi government's initiatives to increase local content.

Abdulkarim A. Al Ghamdi, vice president of Project Management, said the modular packages construction concept is part of the company's project strategy.

"(It) offers a number of benefits to Aramco and our partners, and it will have a positive impact on the project's performance, business environment, and economic activities in the Kingdom," Al Ghamdi said.

"In addition, having detailed engineering work in-Kingdom for such a sophisticated scope will enable us to continue developing homegrown talent ... through achievable employment targets," he said.

"This is very important to us, as well as the contribution to our IKTVA target to increase local content."

Enabling seamless access for employees

Company rolls out state-of-the-art facial recognition technology

By Eamonn Houston

Aramco has rolled out the deployment of cutting-edge facial recognition technology.

In alignment with the company's Digital Transformation strategy, the Industrial Security Support Department (ISSD) and the Information Technology Engineering Department has started the roll out at 31 critical facilities across the Kingdom, including Ras Tanura Refinery, Abgaig Plants, and Shedgum Gas Plant. The technology is associated with security access con-

Digitalization

Facial recognition is a way of identifying or confirming an individual's identity. It can be used to identify people in photos, videos, or in real-time.

Fahad Y. Al Khathran, lead project engineer with ISSD, explains, "A benchmark with world leading mitigation measures of COVID-19 was conducted in early 2020 and resulted in selecting this technology, which is



being deployed as part of the security access control to eliminate touch points and enhance the safety and security of critical facilities. This technology was also endorsed by the company's

COVID-19 committee.

Phase one

Phase one of the project, Al Khathran adds, will enable seamless access for employees in non-oil and gas facilities through the scanning of facial features; while in oil and gas facilities, two-factor authentication will be utilized by scanning both ID and facial features.



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6 community













Quriyan M. Al Hajri asked Scott Baldauf if he wanted to go for a walk. Just a short 120 kilometer walk from his current home near Ain Dar toward his birthplace near the historic town of Thaj. It was an opportunity to witness the effects of desertification in this region, and to try to make a difference by planting native trees along the way.

community 7

A desert trek to Thaj

By Scott Baldauf

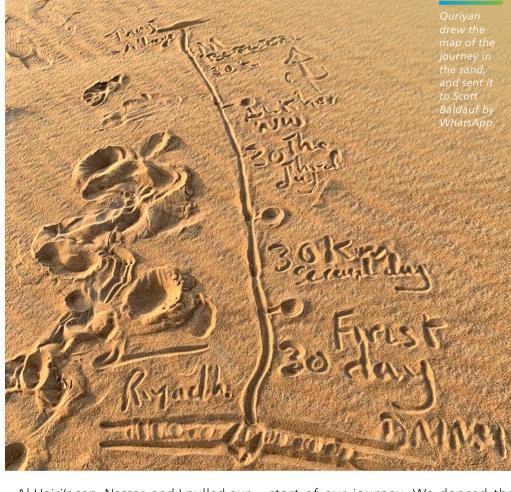
Quriyan M. Al Hajri's knowledge of the desert is legendary. So, when the retired Aramco well sites supervisor invited me to join him for a five-day, 120-kilometer desert trek from his home near Ain Dar up to his birthplace near the historic village of Thaj, I was

His hand-drawn map, sent to me via WhatsApp, looked like something out of The Lord of the Rings, with stretches of sand and water wells and pointy mountains as landmarks. I wasn't entirely sure that I was physically fit enough for the journey. But I was sure I was going with the best desert expert I was ever going to find.

It would be a journey that would test my endurance, but would also bring me out of my comfortable expat bubble and teach me about the culture, the wildlife, the landscapes, and the environmental challenges of the Kingdom I call home: Saudi Arabia.

Khaliwali with GPS

Our first day started early. To beat the heat, Al Hajri began walking at 3 a.m. By the time we met him on a gravel road north of the village of Al Harra, 8 hours later, he had already covered 55 kabsa. As lunch cooked, Al Hajri played kilometers.



Al Hajri's son, Nasser, and I pulled our vehicle up onto a dune, laid out a carpet in the shadow of the SUV, and started a fire to make a lunch of camel meat music on the car stereo to celebrate the

start of our journey. We danced the ardah to boisterous Saudi music, and then Al Hajri switched to an Alan Jackson country song, "The Older I Get."

Over the next three days, Al Hajri be-

gan my desert education — call it Bedouin 101 — about how to navigate the landscape, recognize wildlife, and survive in the desert.

Al Hajri didn't use any fancy technology to set his course. He pointed to a small tuft of grass. "The wind comes from the north," he said, "and it leaves a pile of light-colored sand on the southern side of the grass. So, khaliwali with GPS. If you want to know where north is, just look for grass and see where the sand piles up.

Lessons in the sand

My lessons were written in the sand all around us. I was taught how to identify the footprints of camels, with their two pointy toes in the front and round heels in the back; foxes, with their small front paws and larger back paws; beetles, with their multiple tiny footprints; and large desert lizards, with their tails and triangle-shaped clawed hands.

Each day, in dry lake beds or sabkhas, we planted trees that once dotted this landscape. Al Hajri is a modern Johnny Appleseed, doing what he can to restore the hardy desert landscape he remembers from his childhood. "It may be because of reduced rainfall, it may be because of too many animals, but we all need to do more to protect the environment," he said.

To my untrained eye, it all looked like an endless sea of sand. But Al Hajri steered our path toward major landmarks on the horizon, white rocky jebels or the smudges of dark green vegetation around public water wells.

In our two final days, we settle into a rhythm, clocking 15 km in the morning, and another 15 km in the afternoon. As the sun sunk in the sky, we would find a soft sand dune to lay out our sleeping bags for the night. And as a protection against wild animals and djinns, Al Hajri would demonstrate an old Bedouin tradition of drawing a circle in the sand around our campsite, reciting a Qur'anic prayer of protection, the Ayat al Kursi. Then we would fall asleep under a clear night sky, the Milky Way with its millions of stars stretching out above us like a veil.

One final tree

On the third day, we reached our main destination: the flat-topped Jebel Bateel al Janub on the outskirts of Thaj, where Al Hajri was born. Sixty-five years ago, Al Hajri's mother gave birth to him at the base of the *jebel*, in the shade of a pair of trees. The only sign of those trees now is a pair of stumps, probably chopped down for firewood years ago.

In 1998, archaeologists from the Regional Museum of Dammam excavated burial sites in the historic town of Thaj, which is 95 kilometers west of Jubail. The treasures they discovered dated back more than 2,000 years and are now preserved at the National Museum in Riyadh. They include:

- A gold mask from a funerary chamber
- Remains of a girl on a wooden bed in a separate chamber
- The girl was wearing gold necklaces decorated with rubies, turquoise, and pearls
- The bed was surrounded by four golden statues.



Under a strong afternoon sun, Al Hajri offers a prayer for the country of his birth, for the people who live in it, and for the environment. And then he plants one last sapling before we make our way home.

Walk for the Environment

Ain Dar, to ancient Thai, where ment, Water, and Agriculture. he was born — a journey of some five days (120 km) on foot. Over Al Hajri's goal from this trek shrubs still exist. But unless peoother things.

This year. Al Hairi wanted to few simple steps. draw attention to the environ-

In mid-October 2020, Geraivan people to care more for the natu- problem, Al Hajri said, but so too At that time, he noticed that some

the years since he first began this was more than a mere travelogue. ple change their habits and chertraditional yearly trek. Al Hairi He was confident that the desert ish the Kingdom's natural wildlife. has observed the deterioration of could return to a healthier state if it may be lost forever. the local environment — the loss people could be educated about of trees and desert shrubs among the need to protect the environ- Al Hajri said his concern over

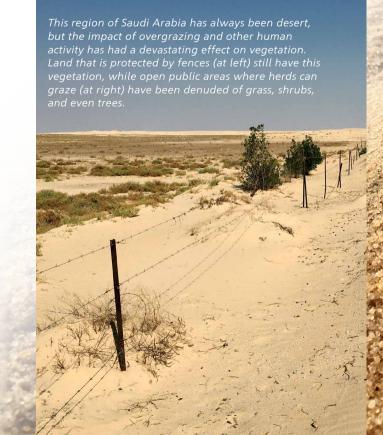
mental changes he has been wit- Overgrazing by growing flocks al-Khali — from Nadgan to Umm

fore — and in fenced in areas of would improve. privately owned ranches, trees and

ment. People can make a positive the environmental situation bechange in their world by taking a came very serious during a previous Saudi-American camel caravan expedition through the Rub' nessing, in hopes of encouraging of sheep and camels is part of the al-Hadeed — about a decade ago.

M. Al Hajri (or Quriyan, the offireral environment and work to pre- is the effect of the increased num- of the precious vegetation of the cial spelling of his name), former serve it in the future. So far, his ber of cars being driven over the region was in retreat. Al Hajri Aramco well sites supervisor and journey has been highlighted by a fragile desert, and the number of walked through the desert rathdesert expert, took his annual number of Saudi TV news outlets, living trees being cut down for er than riding a camel for most walk through the deserts from his as well as in a video produced by firewood. Trees and shrubs have of that journey. He said a silent home in the village of Junaih, near—the Kingdom's Ministry of Environ—lived in this harsh arid climate be—prayer in hopes that the situation

- Robert Lebling







Ithra launches its Creative Solutions program under the theme 'Digital Immersive Content Creation'

The King Abdulaziz Center for World Culture (Ithra) launched its Creative Solutions Program this week under the theme "Digital Immersive Content Creation." The program is designed to build an ecosystem of innovators supporting the growth of the creative economy in the Kingdom of Saudi Arabia. It focuses on the use of immersive technologies, including artificial intelligence, and haptics, along with virtual, augmented, and mixed reality, as well as immersive audio.

Ithra's Creative Solutions program is part of a series of creative programs and initiatives launched by the Center to support participants in transforming their creative ideas into practical and marketable solutions by engaging them in professional training that will be conducted through Ithra's digital platforms.

The program will also provide free consultations by experts to build strategic relationships. Additionally, Ithra

will support the selected creative ideas financially to help develop them into viable models, as well as providing the opportunity of presenting ideas to global investors and collaborators.

The program will announce an open call for registration through the website, seeking creatives and innovators, both residents and citizens, through its digital platforms. Then, 30 participants will be selected to join and will present their ideas to a jury. Five winning concepts will be chosen to receive financial support to transform their creative ideas into marketable products.

In designating this year's theme as "Digital Immersive Content Creation," Ithra plans to promote the use of effective digital technologies.

For more information, please visit: www.ithra.com. Follow Ithra on social media: Facebook (King Abdulaziz Center for World Culture), Twitter (@Ithra) and Instagram (@Ithra) #Ithra.







Exposed (A)





مرکز جونز هوبکنز أرامکو الطبي Johns Hopkins Aramco Healthcare

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Gone but not forgotten: company retires Ju'aymah's legendary Rimthan-2 after 40 years

The company has marked the retirement of an iconic work vessel that has faithfully served in the Aramco fleet for more than 40 years.

The Rimthan-2 — named after the famous guide Khamis bin Rimthan — was built in 1979 at the Ishikawajima Shipyard, Japan. She entered service with Aramco the same year.

The offshore multipurpose vessel was built to fulfill a multitude of tasks at sea. Equipped with diving capabilities, the vessel supported the operation and maintenance of Ju'aymah Terminal's six single point mooring buoys around the clock, ensuring there was no interruption to crude oil exports.

"Gone but not forgotten" is most likely a phrase people across the globe will use when the COVID-19 pandemic ends. This turn of phrase was especially relevant to the Marine Department employees on Dec. 31, 2020, as they celebrated the retirement of the sturdy vessel.

Aramco faced the challenging task of finding a vessel with capabilities similar to *Rimthan-2*, but with the inclusion of the latest technologies, safety enhancements, and improved operational parameters.

This was an exceptionally difficult task during the global COVID-19 pandemic restrictions, with a limited number of vessels present in the market that were able to support operational and mobilization requirements.

New vessel takes to the sea

An offshore supply ship, Zamil-601, was identified and procured through a local contractor, Zamil Offshore Services Company, and the vessel underwent major modifications at a shipyard in Dammam. The modifications included:

- Cutting 70 tons of steel to remove the vessel's bulwark for efficient cargo hose retrieval.
- Fitting 33 tons of steel stiffeners to increase deck loading capacity.
- Installing a prefabricated deck sec-



The Zamil-601 will replace the Rimthan-2.

tion to increase the working area and improve ship stability.

• Adding an active heave compensation crane to reduce the effect of swell on lifting operations.

Zamil-601 was also fitted with a Class-1 firefighting system to enhance the Marine Department's emergency response capabilities. A small, remotely operated onboard crane was also installed to pick up hoses from the water, doing away with the need for maintenance personnel coming close to the vessel for manual pick up.

There is a crew on board, which works in a variety of roles, including navigation, deck operations, engineering diving and catering

shore medical clinic, with emergency care and first-aid response facilities. Onboard is a permanent medic who cares for crew members and provides 24-hour emergency first-aid response to any emergencies in the Ju'aymah offshore operational area.

The success story of the young Zamil-601 replacing the experienced Rimthan-2 is a reminder that change is inevitable, and while it is difficult, it is a testament to the Marine Department's positive attitude by anticipating change and planning for it.

Meeting expectations

Change remains a necessary en-

deavor to capitalize on new technologies and achieve excellence.

Rimthan-2 is being prepared to be sold — along with other retiring Aramco-owned vessels as part of the Marine Department's strategy to replace its aging fleet — with an expected handover to future owners during the second quarter of 2021.

The Marine department has a reliable fleet of vessels to provide an assortment of services to support the exploration, production, and transportation of oil in and around Aramco's offshore concession areas.



Aramco Expatriate Schools 2020-2021 - First Trimester Honor Roll

Abgaig School

Honors with Distinction (GPA: 4.0)

Seventh Grade: Christian Caraballo, Leonardo Khouri, Janela Mariel Managa, Juan Carlos Minda Chiriboga, and Muhammad Taha Saqib.

Eighth Grade: Rumi Rayyan Abbasi, Gisele Caraballo, Hannah M. El Baradie, Ayan Imran, Ryan Kristjansen, Aleena Samah Malik, Juan Managa, Gyle Rafael Marinas, Flavia Mata Di Girolamo, Layan Melhem, Ray Cyril M. Mercado, Zhaniya Primbetova, and Abdur Rahman Rana.

Ninth Grade: Wesam Basli, Kaosidinma Golden Onyekere, and Mohammad Talha.

High Honors (GPA: 3.5 - 3.9)

Seventh Grade: Mohammed Hassan Ahmed, Qusai Al Asal, Leen Al Wardany, Molly Diefendorf, Hafsa Imran, Grace Louise Janike, Mahum Khan, Joash Kondru, Ayaan Shaj Manjalivalapil, Yusuf Melhem, Mohammad Qasim Minhas, Mohammad Mohsin, Fatmah Quraishi, and Chadeeja

Eighth Grade: Adam Al Nabtiti, Harith Muhammad Bin Noraswad, Joel Kondru, Muaz Saood, and Jeremiah Jacob Yates.

Ninth Grade: Saadi Salman Abbasi, Miranda Chirino, Calvin Bonaro Manalu, and Diego Marconi Rodriguez.

Honors (GPA: 3.0 – 3.49)

Seventh Grade: Ali Jawad and Qias Qaragish. **Eighth Grade:** Ninth Grade:

Dhahran School

Honors with Distinction (GPA: 4.0)

Seventh Grade: Elijah Abraham, Kifayat Aghazada, Maria Al Syed, Joud Al Megdadi, Anna Alderman, Sami Alikhan, Amal Almasri, Aarav Anand, Pavitra Arun, Zad Ashkar, Abdullah Asif, Ethan Axler, Grace Axler, Heidi Bahlmann, Johan Bahlmann, Faris Baig, Yusra Hatim Bakhit, Mohammad Abdul Rehman Bin Ammad, Debdutta Boote, Annika Born, Tyler Cassamajor, Sarah Chaudhry, Noah Chung, Madeleine Ciputra, Hudson Cote, Skyler Cote, Tobin Cote, Jazmin Cruz, Anika Dalal, Jaiden Daniels, Chloe Dorward, Omar Ahmed El Deeb, Maryam Elhamri, Muhammad Hassan Faroogi, Huzaifa Farrukh, Maryam Farshad, Andres Guzman, Yousef Hajhussein, Jeonghyun Han, James Hanna, Arjun Singh Lee Hayer, Omar Hedefa, Anika Jain, Pranav Kandhaadai, Ammaar Khan, Maryam Khattak, Amina Khawaja, Xiangyu Sophia Kong, Ainsley Lamont, Dan Luo, Mennatullah El Sayed Mahrous, Myla Jai Martin, Maria Alejandra Mosquera, Eva Murgia, Harshini Murugan, Ali Mushtag, Kinana Mustafa, Kayla Otoo, Ebosata Oziegbe-Ighodalo, Alisha Patwardhan, Valeria Polo Solano, Zena Ramzy, Jose Alejandro Rivera Roa, Carolina Rodriguez, Ronik Roy, Elios Sadek, Layan Saffour, Danielle Salako, Nadya Saraswati, Krisha Sevilla, Nenzwirashe Kudzai Shoko, Hugh DePriest Spurlock, Grigorios-Rafail Spyropoulos, Zohair Haider Syed, Jai Prajna Tammana, Gavin Tibor, Isela Tolentino, Katherine Analise Twombly, Ella Workman, Sean Matthew Wuttke, Michelle Xu, Hassan Yousaf, Adam Zhang, and Tameem Zuaiter.

Eighth Grade: Ahmed Abdelhamid, Ifedayo Opeyemi Abegunde, Amara Abitrabi, Faris Azim Ahmad Ridzuan, Nyle Ahmad, Javid Ahmadov, Sara Ahmed, Zahra Ahmed, Adam Akkad Salam, Shahd Al Megdadi, Liyan Osama Ali Al Omari, Alisha Alam, Taha Alam, Varvara Alexeyenko, Aayan Mahmood Ali, Abdullah Bin Ammad, Daniel Atie, Hannah Azam, Reem Bahadidah, Nayumi Basuel, Akos Benedek, Csaba Benedek, Sofia Cetkovic, Brent Coppage, Ethan Ding, Ebubechi Micaiah Ejim, Kavitha Farr, Alexandra Flynn, Nikolaos Fotiou, Jordan Goth, Syed-Zarmaan Haider, Momin Hassan, Nora Jacobs, Minaal Shahid Khan, Eshal Khattak, Haley Larson, Alison

Raquel Lopez, Mohammed Malik, Satvika Mandhadi, Zamir Meah, Isla Hinemoa Milostic, Habiba Mohamed, Duaa Mushahid, Ryan Sami Mustafa, Daniya Muzaffar, Aayan Nanawati, Iman Amani Noor Chozin Ali, Joshua Onwuama, Areej Parvez, Zainab Haniya Parwez, Maadhavan Prasanna, Margaret Ann Roberts, Gabriel Roti, Kiran Shabbir, Tushar Shaji, Ainul Haqeem Shamshudin, Raghav Sharma, Umar Shekha, Riddhima Singh, Theanna Sullivan, Keisya Regina Suryantara, Alishah Syed, Jason Treakle, Chikezie Darlington Ugori, Sawyer Updike, Olivia Van Stone, Leira Gabrielle Duma Veras, Simra Waheed, Joyce Xiao, Rayyan Muhammad Yousaf, Maryum Zaman, Richard Zhan, and Xinrong Zhong.

Ninth Grade: Hassan Ahmed, Malak Amer, Abrar Ansari, Mariana Bulla Alarcon, Aminata Cisse, Raisa Clare Villanueva David, Asmaa Elsayed Elshabshiri, Ali Fawwaz, Nathaniel Antonio Gotera, Jakub Gruszczyk, Krzysztof Gruszczyk, Samuel Gutierrez, Jacquelyn Hall, Chaitravi Dadasaheb Karande, Mohammed Usman Khan, Maleeha Khan-Niazi, Dalia Mahmoud, Zavd Iyad Nasir, Anasteisha Nor Mansor, Aya Osman, Annika Port, Michelle Shahzad Qureshi, Fatima Shaari, and Maya Workman.

High Honors (GPA: 3.5 – 3.9)

Seventh Grade: Lamar Abed, Mokojusoluwa Abegunde, Amina Ahmed, Raheim Ahmed, Rayan Akhras, Yara Al Basha, Talah Alomari, Jana Amer, Asma Ansari, Shanza Azam, Ihsan Fawzan Azmi, Alexandre Baggett, Muhammet Baki, Joud Alrahman Bakry, Analy Bernal, Kiersten Taylor Blacker, William Buker, Hamza Bustami, Lila Grace Chammat, Fiona Katherine Chiam, Cody Coppage, Ariana Davila, Victoria Davila, Siara Daza, Aislyn Deutscher, Harsh Dilip, Elizaveta Dolgova, Dominic Downey, Zaxen Downey, Elanur Dursun, Catherine Paola Escalona Orellana, Addison Frost, Katherine Gieson, Inigo Granda, Laiba Habib, Joseph Beshara Hage, Noah Haigler, Eilis Hall-Thompson, Eleanor Hawkins, Emilia Hinojosa Lopez, Zain Husain, Humza Imran, Ziad Jandali, Joon Young Jeong, Nathan Johnson, Aiza Junaid, Hana Yaser Kamel, Sania Kamran, Calvin Law, Aldrin Ortiz Lopez, Malak Magnin, Abdul-Fatah Maida, Ahmed Mustafa Malik, Leona Manu, Deborah Mayaki, Alisha Memon, Liam Santiago Menning, Alisha Mokhtarudin, Mason Montjoy, Rokaya Musa, Kareem Nagy Magdy Mahran Kamaleldien, Sophie Anais Phillips Granados, Zeyad Ibrahim Ramadan, Haili Renee Richardson, Hla Haytham Rizk, Haajra Sami, Razig Hakim Satria, Tatiana Sautkina, Maya Selfo, Jack Shaw, Jana Sherik, Ali Shoier, Soven Smith, Iyanuoluwa Samharry Sobowale, Adam Sori, Aadit Srivastava, Drew Steenblik, Ava Swendsen, Omar Tareq, Zakaria Trevathan, Hauwa Tukur, and Gabrielle Witt. Eighth Grade: Yusuf Abdelrahman, Omaya Abdulbaki, Minori Abe, Nahla Adlouni, Velysa Putri Ahmad, Rayaan Ahsan, Issah Sher Ali, Mohammed Ali, Ayman Aljundi, Matthew Ammons, Nadia Arab, Mohammad Daiyan Ashraf, Ibsham Asif, Abdurrahman Ather, Suleman Awan, Hisham Aziz, Sara Baalbaki, Jorge Andres Ballen Graffe, Reema Basheer Gowi, Sienna Grace Belaire, Amenah Benzaoui, Abeer Fatima Bukhari, Abubacarr Camara, Benjamin Catuccio, Faizaan Chowdhury, Mohammad Daraiseh, Carter Beau Dille, Andrew Divine, Rowan James DuPont, Mehdi El Ouair, Ibrahim Elwi, Yahya Faroog, Amr Fayed, Janna Gomaa, Adnane Gribi, Madelvn Elisabeth Hales, Nael Hammou, Jul Henry, Tawaab Ali Babiker Ibrahim, Paul Jacob, Aanya Jain, Judy Jandali, Connor Johnson, Dilan Jose, Khizar Juma, Madeline Kaiser, Dawood Kaleemi, Min Seung Kang, Asiwaju Kayode, Yelda Khanfar, Shrey Khare, Omar Khasawinah, Sana Khawaja, Manahil Syeda Khurram, Saftar Kuliev, Ailsa Siobhan Lobban, Amal Chadi Maarouf, Matab Saifelislam Mohamed Elhassan, Aidan Mohd Hardy, Jamal-Udeen Momodu, Hisyam Baihaqi Muldi, Ahmed Nagy Magdy Mahran Kamaleldien, Faraz Mohammad Nawaid, Samuel Chukwuemeka Nwachukwu, Gilbert Jeron Oduro, Wilbert Joel Oduro, Naomi Onasanya, Nicole Zi Yi Ooi, Derek Owumi, Saeed Rahman, Hamza Rashid, Hameeda Naaz Sani, Dean Zedrick Capulong Santos, Jenna Selfo, Seba Hafed Shadid, Nur Madiha Sharulnizam, Ethan Alexander Stewart, Ava Corin Swensen, Maryam Syed, Abigail Tamalunas, Sebastian Kamal Aridi Taylor, Lav Trgovcic, Cholapurath Jovita Theodara Vishnu, Allison Willden, Jacqueline Taylor Woycheese, Noor Yanes, Haliimah Yazki, and Zeina Zakzouk.

Ninth Grade: Sarah Asif Ahmad, Hanan Alali, Yahya Alsheikh Kassim, Joseph Anthony Auchterlonie, Ghoufran Baba, Shawn Cordeiro, Zaid Dawd, Amal Walid El Hajj, Liam Augustine Graves, Muhammad Hag, Wania Kamran, Ryan Kani, James Salvador Menning, Khodr Minkara, Nor Ellysha Mohd Raji, Saira Naeem, Osasenaga Oziegbe-Ighodalo, Salma Ramzy, Jeriel Andrei Santos, Nathan Sevilla, Atif Shakoor, Maryam Khawaja Siddiqui, Menaal Sved, and Jae Tolentino.

Honors (GPA: 3.0 - 3.49)

Seventh Grade: Adam Abouelnaaj, Chizara Alaneme, Aiza Ali, Diego Arias, Zohaib Awan, Ekenedilinna Raphael Avadiuno, Zunairah Badar, Amanah Laila Begum-Ali, Malek Bkathria, Shada El Hajj, Marwan Elghafri, Abdelrahman Elhaj, Ty Ellis, Benjamin Eversberg, Malak Fethiza Tedjani, Joshua Haigler, Sara Hussain, Hibah Iftikhar, Amina Javeed, Muhammad Thawab Looni, Daniel Ma, Abdul Aziz Amjad Marar, Hibah Mirza, Muhammad Hassaan Mirza, Saad Naveed, Cheryl Ng Zhen Yi, Samuel Paz, Anton Piuneu, Jayesh Potnuru, Ibrahim Ehab Qaisi, Fares Sargis, Kshirin Sethi, Khawla Shaari, Alma Sutton, Luke Tamalunas, and Faizan Tabraiz Viceer.

Eighth Grade: Mustageem Abd Khair, Salam Abderrezaq, Muhammad Gagarin Akbar, Samira Baikelova, Eshan Brohi, Ethan Correa, Levi Despain, Fatimah-Zahra Dhariwal, Ahmed Diallo, Hamza Faisal, Nathaniel Gashawbeza, Maria Khadijah Jabbar, Samara Kamal, Isaac Kinard, Mia Rose Lindsey-Hauptman, Ani Hallel Joy Lowrey, Tiana Lund, Radya Musa, Aisya Zahira Nugraha, Hadia Haroon Rasheed, Fernando Regueral, Alberto Rodriguez, Owen Rogers, Ali Shair, Ali Shalaby, Syailendra Axel Sinathrya, Nolan Smith, Ameerul Mariha Taib, and Amelia Anandini Win-

Ninth Grade: Hafsa Abbasi, Yahya Sher Ali, Mohamed Jamel Bkathria, Ayan Dalal, Camilo Daza, Yasakha Gneiss Putra Husni, Aizah Hussain, Camilo Ernesto Libreros Rios, Liana Abdalla Manai, Natalia Itzel Samano Santos, Angelina Turner, and Adam Ayman Youssef.

Ras Tanura Middle School

Honors with Distinction (GPA: 4.0)

Seventh Grade: Ahmad Abbasi, Rawan Mohamed Ahmed Ali, Ashbah Mohammed Bantwal, Rylie Bick, Zara Nazar Elnisa Bingol, Clara Boggan, Angelina Lacastesantos Caubang, Anabella Haughton, Kyujin Jeon, Joon Hee Lee, Niamh McKeown, Rhiane Macapagal Padua, Maxwell Peach, Muhammad Hassan Qamar, Hamza Soliman, Shruti Sutar, Devadas Vinod, and Arham Zaheer.

Eighth Grade: Adeeva Alli, Hannah Lynn Batiste, Brian Jesus Blanco, Max Breuer, Aria Carscadden, Sooyoung Choi, Ain Chung, Haiga Ghaffar, Dhruvi Gohel, Zaid Goraya, Ashwanth Guru Raja, Deekshita Imandi, Rayan Khan, Kangjae Lee, Dean Geoffery Maggs, Aeesha Jeanne Saldivar Mayor, Howard Enhao Mei, Mahi Nanda, Isha Patel, Adithi Ponnambalam, Ayotomiwa Salu, Salihah Salu, Sevani Somu, Hyochang Son, Lydia Swets, and Eishita Yadav.

Ninth Grade: Afnan Mohammed Bantwal, Averielle Cordoves, Abigail Ruth D'Souza, Petros

Hilawe, Zoya Saeed, Rodge Nicholas Feniz San Luis, and Naiya Shah.

High Honors (GPA: 3.5 – 3.9)

Seventh Grade: Mairdel Sameer Al Afghani, Hashem Al Omari, Muhammad Abdurrehman Arshad, Nathalia Barrero, Aaron Flores Burgos, Christian Angelo Castro Casilla, Dasiana Cioroba, Julia Dabrowska, Adam Dammad, Manasa Ganugapenta, Aaryan Garg, Syed Huzaifa Hussain, Taekyu Hwang, Hangyul Mason Jo, Ayaan Khan, Sofia Alexandra Manzano Coronel, Esther Grace Maples, Maryam Masood, Yosif Mustafa, Halit Ozoktem, Ibrahim Pena, Abdul-Hadi Rana, Lojin Salem, and Vikramaditya Shivdekar.

Eighth Grade: Dawson Arpke, Muhammad Hashim Arshad, Nathan Flores Burgos, Mary Mabel Margaret Conzemius, Leo Guerrero, Roxanne Meder, Riyaan Niaz, Jeanna Retanal, Hafiza Malak Satra, Noor Ulhaq, Nikole Tatiana Uribe Barrera, and Valeria Chiquinquira Ustiola.

Ninth Grade: Muhammad Abdullah Abbasi, Thea Abi-Habib, Brooke Bachman, Heidee Grace Borbe, Alejandro Garcia Vera, Emmanuel Naum Ginoski, Lindokuhle Letsoko, Vin Mico Visaya Medina, Nile Angelo Manalac Montes, Miriam Morales Garcia, Rirhandzu Ngobeni, and Anna Isabella Rebl.

Honors (GPA: 3.0 - 3.49)

Seventh Grade: Jember Mae Hiwot Chaney, Tomas Giraldo Huertas, Ahmed Abderrahmene Lahlah, Michael Alexander McDaniel, and Daniel Alejandro Rojas.

Eighth Grade: Kurtis Owen Brewster, Myles Charles Drummond, Hava Hijazi, Evan Jacob Most, Seyma Ozoktem, and Ibrahim Muhammad

Ninth Grade: Andrew Red, Zakariya Sakhri, Natalia Itzel Samano Santos, and Alina Shah.

'Udhailiyah School

Honors with Distinction (GPA: 4.0)

Seventh Grade: Nadeen Abdulrahman, Jack Ashby, Fathir Atgia, Noora Haffejee, Sam McGuinness, Temitope Ogundare, Shashwat Rao, Ayaan Saad, Binita Shaw, and Arya Shirsat.

Eighth Grade: Rianne Alghazali, Mostafa Donia, Krishna Dwarika, Samansa Hanabusa, Basma Jama, Savannah Jensen, Noah Olson, Mentallah Ibrahim El Sayed Salem, and Sharifah Mayada Syed Haizir.

Ninth Grade: Antonina Jaromin.

High Honors (GPA: 3.5 – 3.9)

Seventh Grade: Maryam Mahomed, Akmal Mazlan, Rocio Oubina, Ishana Raj, and Joaquin San-

Eighth Grade: Fayez Farhan and Anais Giannopoulos.

Ninth Grade: Camila Alfonzo.

Honors (GPA: 3.0 – 3.49)

Seventh Grade: Luca Roetter Gresback. Eighth Grade: Kanza Malik, Julian Naranjo Avila, and Jacob Rowland.

Ninth Grade: Salma Bilqish, and Christllyan Tabas.

SAES Online School

Honors with Distinction (GPA: 4.0)

Seventh Grade: Laith Abu Tahoun, Majd Abu Tahoun, and Mira Abu Tahoun.

Eighth Grade: Salihah Ayotomiwa Salu, Muhammad Hadiff Sharizan, and Ibrahim Hisham Takkoush.

Ninth Grade:

High Honors (GPA: 3.5 – 3.9)

Seventh Grade: Ahmed Shadid, and Muhammad Havgal Sharizan.

Eighth Grade: Ana Sofia Garcia Mendez, Megan Diane Kenyon, and Muhammad Sulayman Khan. Ninth Grade:

Honors (GPA: 3.0 - 3.49)

Seventh Grade: Benjamin Weight.

Eighth Grade:

Ninth Grade:

Aramco employees log on to leadership with Harvard online learning

More than 21,000 Aramco employees have completed over 40,000 learning modules on Harvard ManageMentor (HMM), the online education platform offered by Harvard Business Publishing.

"Use of HMM has been very impressive," said Colin Sloman, director of the Management and Professional Development Department (M&PDD).

"Our people have a huge thirst for learning and we are delighted they have taken to HMM with such enthusiasm," he said.

The most popular modules were Presentation Skills, Stress Management, and Time Management.

M&PDD made the digital platform available to company employees in

Top 3 Aramco employee Harvard ManageMentor modules:

- Presentation Skills
- Stress Management
- Time Management.

HARVARD ManageMentor®

July 2019 as the result of a comprehensive review of Aramco's leadership development programs, which led to a strategic partnership with Harvard Business School (HBS).

Harvard Business Publishing is a wholly owned subsidiary of Harvard University and reports to HBS. The goal of HMM is to improve management practice, according to its web-

The HMM platform provides high quality leadership development content and contains more than 40 online modules focused on managing yourself, overseeing groups, and driving business.

COVID-19 accelerates adoption

The strategic objective for promoting HMM was to foster a robust and sustainable learning culture throughout the company by encouraging self-directed learning, according to M&PDD.

The platform was made available as part of the company's digital transformation, and has been embedded in development programs and services offered by M&PDD, including the Talent Assessment Center's pathways, The Leadership Center's courses, and the Professional Development Program.

M&PDD's initial goal was to attract 5,000 unique users, but this was quickly surpassed, and reached a total of 8,429 users in 2019.

Last year, the COVID-19 global pandemic accelerated dramatically the adoption of digital learning with physically distancing requirements and the onset of remote working. M&PDD ensured ongoing employee development was continued through virtual learning technologies.

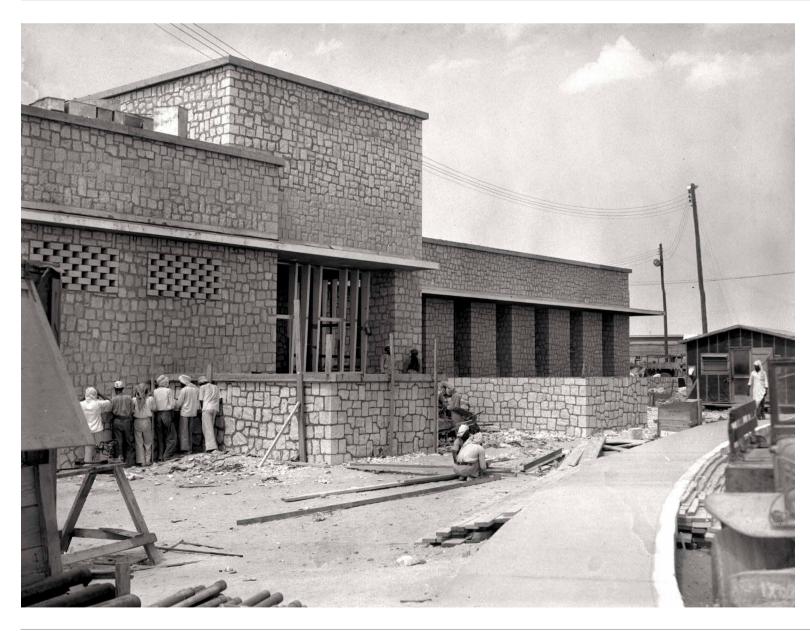
Continuing the journey

These outstanding results indicate the high-level of commitment and ownership that employees have toward personal development, as well as their appreciation of the various opportunities offered to them, according to M&PDD.

Aramco's successful deployment of HMM self-directed learning will continue in 2021 with new modules being offered, including diversity and inclusion, digital intelligence, and more leadership courses.

M&PDD will also encourage emplovees to take advantage of HMM SPARK offerings, which also provide videos, articles, and podcasts on relevant business topics.

There is a digital learning revolution in the company and M&PDD continues to support employees with world-class learning assets.





Photographic memory

Skilled craftsmen built stone buildings that are still in use today, including the Dhahran Dining Hall, pictured in 1948.



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garabian



A desert trek to Thaj

Quriyan M. Al Hajri's knowledge of the desert is legendary. So, when he invited me to join him for a five-day, 120-kilometer desert trek from Ain Dar to his birthplace near the historic village of Thaj, I was intrigued.

see pages 6 and 7

2020 Traffic Safety Excellence Award

Drive safety. Lead by example. Inspire others.

Registration is OPEN now!



Who can register?

All Aramco employees, SMPs and trainees with a ZERO traffic violation record in 2020.



When can I register? The registration window is open from Jan. 11 to Feb. 28, 2021.

If you have any questions, please contact 2020TrafficSafetyExcellenceAward.



How can I register? To register, please go to: ShareK 2020 Traffic Safety Excellence Award.

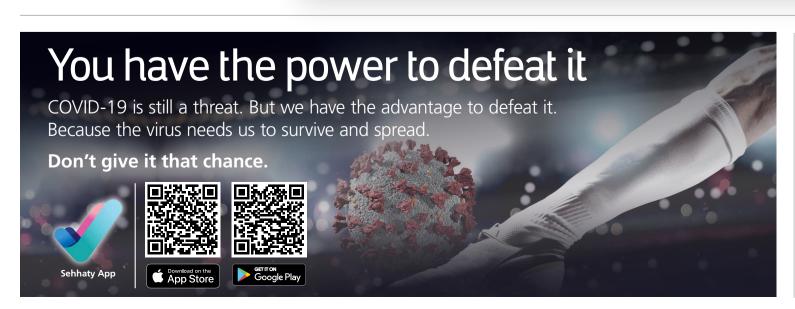




Nature at the Corniche

Saugata Dass, a geologist with the Gas Reservoir Characterization Department, was able to capture this image of flamingos at the al-Khobar Corniche just last week. He used a Canon EOS 77D with a Tamron 100-400 mm lens. The focal length was set at 400 mm, F 6.3, ISO 400, SS 1/1000 sec. Dass has worked at Aramco for more than six years, and lives in Dhahran.







move, and download the aramco LIFE app.