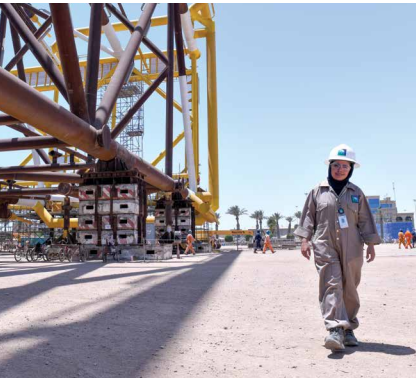


the arabian sun

June 2, 2021 | Vol. LXXVI, No. 21

a weekly Aramco publication for employees



Building offshore giants with diversity

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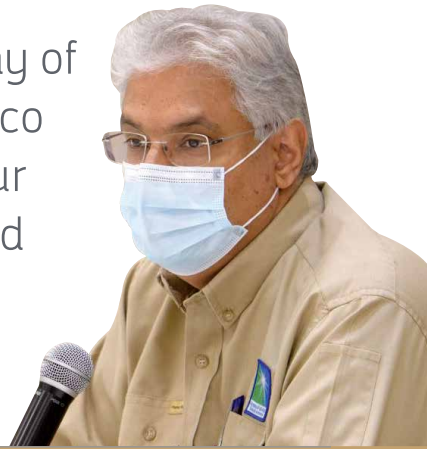


Ramadan Donation Campaign generates over SR 12 million

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'Safety is a way of life, and Aramco cares about our employees and their families'

See back page



The Tapline: A tale of engineering triumph

See pages 4 and 5



Tapline employees visit a section of the pipeline in 1951.



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Aramco Asia flying high on international drone award win

Aramco Asia has received international recognition for its promotion and use of unmanned aerial vehicles (UAVs).

Aramco Asia won the 2021 Global UAV Contribution Award at the Fifth Drone World Congress and International UAV Expo held in May in Shenzhen, in China's southern Guangdong Province.

Mohammad W. Al-Qahtani, vice president of Engineering and Technical Services at Aramco Asia, received the award from the Shenzhen UAV Industry Association on behalf of the company. Aramco Asia won for its outstanding efforts in promoting UAV and robotic technology; leading the deployment of 50 sets of UAVs in Saudi Arabia over the past three years; and being actively involved in the corporate digital transformation process. Aramco Asia was one of five finalists to receive the award.

Great honor

"It is my great honor to attend this event. The award is especially meaningful for Aramco Asia, as we have as-

In his presentation delivered at the congress's plenary session, Mohammad W. Al-Qahtani reaffirmed Aramco's commitment to continued implementation of drone technology, and shared actual scenarios where the technology had been used to support corporate operations.



essed, adapted, and applied UAV technology to ensure safer, cost-effective, and efficient operations for many of our key industrial facilities," Al-Qahtani said on accepting the award.

Implementation

The Aramco Asia delegation delivered a presentation at the congress' plenary session prior to the award, presenting

scenarios where drone technology had been used to support corporate operations, and reaffirming the company's commitment to continued implementation of the technology.

Featuring the theme of "New Era, New Value," the three-day event explored the latest technical achievements and strengthened international collaboration



We have assessed, adapted, and applied UAV technology to ensure safer, cost-effective, and efficient operations for many of our key industrial facilities.

— Mohammad W. Al-Qahtani

within the UAV industry. The convention is the largest UAV industrial event in China that brings together the world's latest technological advancements. Hundreds of industrial experts, technology scholars, and company leaders from around the world participated in the event.

Your voice

It takes courage to grow from an absolute beginner to a seasoned expert



By Maryam M. Alansari
and Munia S. Alnasser
Maryam.Alansari.2@aramco.com
Mniah.Alnasser@aramco.com
Dhahran

Every beginner learned to be an expert by failing a few times. Every time we face a challenge we cannot immediately say, "I give up." Nobody knew how to do basic things like walking, talking, or even eating when they were first born; everyone learned slowly, only through making mistakes.

At the beginning of our training at Aramco, we experienced hurdles that made us anxious, nervous, and afraid of failing. But we, too, learned through our mistakes to improve what we're doing.

Heart pounding, palms sweating

For Maryam M. Alansari, before working at Aramco, the mere thought of standing in the center of a room and making a speech made her heart pound and palms sweat. After making a few mistakes and successfully overcoming her public speaking phobia, she was applauded for her communication skills and even asked to lead a tour

for general managers.

Previously, Munia S. Alnasser had always preferred working independently. In the collaborative work environment at Aramco, however, her interpersonal dealings allowed her to see how invaluable it is to discuss and exchange opinions. Experiencing firsthand the enormous potential of a group's synergy to solve problems has changed Munia's perspective. She is now perfectly comfortable working in either a group or an individual setting.

An especially daunting task

Both of us undertook various, often challenging tasks during our training, including virtual presentations, which are so different from in-person presentations. One particular type of face-to-face presentation was especially daunting: We would for the first time be presenting to male students. Going from being used to presenting to a female audience, to then presenting to a

male audience wasn't an easy transition, but it taught us to persevere until it became natural to communicate with this new audience. Giving presentations also meant developing good management skills, learning how to handle participants, and ensuring everyone participates in discussions equally.

Without these challenges that came with our job tasks, we wouldn't have grown personally or professionally. We are immensely grateful for both the hard times and the easy times during our training period, as well as the opportunities where we learned to let go of anxiety and nervousness. These opportunities almost always related to speaking in front of an audience. Accomplishing such things has given us a lot of courage and confidence.

Maryam and Munia are Jubail University College students majoring in English. They are completing their university internships at the Dhahran North Industrial Training Center.

Your Voice reflects the thoughts and opinions of the writer, and not necessarily those of the publication.

Navigating new waters

In-house trained Aramcon earns international marine certification

Hussain M. Al-Nasrallah has become the first in-house trained Marine Department employee to be awarded a navigating officer's Certificate of Competency (CoC) issued by the Transport General Authority (TGA) of Saudi Arabia.

The TGA is the authorized national body that issues marine CoCs in line with the International Convention on the Standards of Training, Certification and Watchkeeping for Seafarers (STCW). The CoC was issued with no limitation, enabling Al-Nasrallah to work as a navigation officer on board any size and type of marine vessel worldwide.

Hard work

In recognizing the milestone achievement, Abdullah O. Al-Tewairqi, manag-

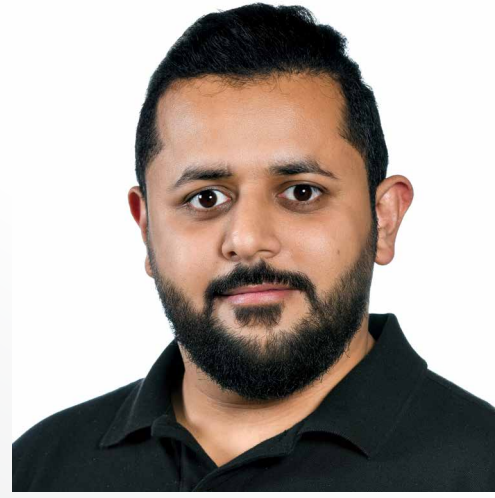
er of the Marine Department, said, "Our Marine Training Academy Unit (MTAU) worked really hard over the past two years to accomplish all rigorous training requirements set by the International Maritime Organization to meet the highest standards of training as per the STCW convention.

"Such an achievement will support the national interest aligned with the Kingdom's 2030 Vision in developing local content. Besides raising the competency level and professionalism of marine employees, this will reduce dependency on overseas training," he said.

Maritime journey

Al-Nasrallah commenced his marine career in August 2011 and worked on board various vessels in the Aramco fleet, including pollution control, material and logistics, and offshore support vessels.

"My CoC journey began on October 13, 2019, when I started the 42-week Officer of the Watch (Navigation) training program at the MTAU at West Pier in Ras Tanura," Al-Nasrallah said. After completing the in-house training program, he had to sit for TGA's rigorous written and oral competency examinations. Describing his experience, Al-Nasrallah stated,



Hussain M. Al-Nasrallah

"We learned a lot from the training program, which offered a very good opportunity for learning in the Kingdom. I am very grateful for the opportunity Aramco and the Marine Department presented to me, and I consider my CoC as an achievement for us all."

Professional operations

"Meeting the TGA accreditation requirements shows the commitment and professionalism the Marine Department has cultivated across decades of operations," said Fehr F. Khomais, head of the

Marine Technical Services Division.

Bader A. Otaibi, MTAU supervisor, said the successful delivery of in-house STCW training programs endorsed the academy's standing as a center of excellence. "In two years, we accomplished a series of milestones that provided a massive leap forward and transformed our training capability to international standards."

World-class training

The MTAU was awarded an international benchmarking certificate issued by Applied Research International, a world-class maritime training institute and a global leader in the production of simulation and virtual reality training solutions. The MTAU was then officially accredited by the TGA to deliver training for navigation and engineering disciplines in line with the STCW.

"The success story of Hussain Al-Nasrallah will certainly inspire others," Otaibi noted. "Our journey has just begun. We have many other training related initiatives and projects in progress. With the installation of an engine room simulator and the procurement of a ship captain's approved curriculum, we're committed to extending the STCW training programs to even higher levels."



Promoting diversity

Women's empowerment across breadth of our business

By Daliah Darweesh

In line with women's empowerment, Aramco continues to implement further diversity and inclusion efforts.

Safety and Industrial Security (S&IS) has always been known for traditional male positions such as firefighters and security officers, who provide safety and security while saving lives and protecting assets.

In 2019, S&IS implemented directives to increase female hiring in administrative and technical jobs. Mandated by the vice president of S&IS, Aali M. Al Zahrani, the journey began in 2020 with a re-

ruitment team chaired by the manager of the Fire Protection Department (FrPD), Albadr M. Jannah. A total of 79 females were recruited for technical field jobs, including security officers, emergency dispatchers, and fire inspectors.

Important step

"I'm excited, proud, and happy for S&IS to be making such an important and serious step toward empowering females in a male dominant field. We are confident in our decision and its future success," Al Zahrani said.

"Saudi women are qualified and will prove their capabilities to the Kingdom, the company, and to S&IS, becoming a contributing factor within safety," he added.

Extensive efforts with stakeholders, including Human Resources, Labor Relations, the Staffing Services Department, Training and Development, and the Law Department, turned the initiative into a successful recruitment process.

New challenge

Jannah said the process consisted of campaigns, interviews, and face-to-face meetings to market the new jobs across the Kingdom, providing information about the nature of the work, and addressing inquiries raised by potential candidates.

"Bringing females into this workforce is indeed a new and difficult challenge

to be fulfilled within the S&IS success story," Jannah said.

To create an appropriate environment for future female employees, job titles were reviewed and adjusted, and new job ladders were created. New Line Specific Training (LST) programs were also developed for female security officers and fire inspectors.

Ongoing Journey

In coordination with the Industrial Training Department, S&IS welcomed the candidates with an orientation and showcased operations with visits to fire stations, the FrPD hydro-test workshop, the 911 Security Center, and the Industrial Security Operations Academy. Candidates also visited the Leading National Academy in al-Khobar for an overview of the four-month academic training program before their LST. The journey will include quarterly engagement sessions to provide the young females with the opportunity to meet with senior S&IS management.

Several insights were contributed during the orientation conversation. One asked when female security officers would be able to carry live weapons. Another asked about the possibility of becoming a K-9 specialist. Work location and further training were also topics of curiosity, with S&IS stating that female hiring would be based on place of residence, and on-the-job training would continue for 20 months after attendance at the academy as part of the two-year



Fatimah A. Al-Yami participates in the discussion during the tour.

entry level program.

Laila M. Ghamdi, an HR generalist with the FrPD's Training Coordination Group, said S&IS is very keen to pave the way for females through encouraging diversity and inclusion at all levels in the organization.

Enthusiastic candidates

Yara K. Osaimi, from Jiddah, aspires to become a fire inspector and expressed her gratitude in joining Aramco. "I'm proud to be a part of a program that promotes safety," she said.

Sarah Shamrani, from Dammam, believes that joining S&IS is a golden opportunity. "I am excited to become one of the first females to make history," she said.

Al-Khobar-based Amina A. Alyousif, said, "There is no routine in this program as I will learn something new every day. I'm happy to be contributing in saving lives."



Laila M. Ghamdi speaks during the tour, which was prepared for women who will occupy field technical positions in the Industrial Safety and Security Department, including security officers, reception staff for emergency reports, and fire protection inspectors.



Building the 1,648 kilometer long Tapline was an engineering and logistical marvel, and provided needed energy to the nations of Europe and beyond after World War II.

The Tapline: A tale of engineering triumph

The Trans-Arabian Pipeline — or Tapline — has been officially recognized as Saudi Arabia's first industrial heritage site. This is the story of how the 70-year-old oil pipeline won its place in history — and in the affections of those who worked on it.

The Tapline, located in the northern Saudi Arabian desert, is considered a historical feat of engineering that brought energy to Europe in the aftermath of World War II.

When it began operations in 1950, it was the world's largest oil pipeline system. It carried billions of barrels of crude oil 1,648 kilometers (km) from Abqaiq on the Arabian Gulf to the Mediterranean port of Sidon in Lebanon, marking a pivotal moment for both the Kingdom and the legacy of Aramco.

But the Tapline was always much more than the sum of its physical parts. Its success was thanks to the dedication of an adventurous and resourceful team of engineers, mechanics, and technicians, drawn from all over the world.

Now, 31 years after it was decommissioned, the Tapline has cemented its place in the history books as Saudi Arabia's first officially recognized industrial heritage site.



The lifeline of the Tapline was a series of main pumping stations, located 250-300 kilometers apart, and substations and microwave sites for telecommunications along the route.

From blueprint to reality

As World War II approached its final days, it became clear that the reconstruction of Europe would need a steady and cost-effective supply of crude oil. Previously, it was a nine-day, 5,800-km voyage by ship from Saudi Arabia through the Suez Canal to the Mediterranean; a long and costly journey that would not accommodate the expected surge in crude oil demand.

In 1944, Aramco founded the Trans-Arabian Pipeline Company as a joint venture between Aramco and other leading international oil companies, and so began an 18-month planning phase. The vast distances involved, the lack of facilities, the ex-



tre temperatures, and challenging terrain meant building the Tapline was one of the biggest strategic decisions the company would make during this time.

An epic construction project

The logistics of construction was immense: 305,000 tons of steel pipes were transported by ship, and six pumping stations were to be built along the 1,648-km route, which also needed to be paved.

The pumping stations — at Nariya, Qaisumah, Rafha, Badanah, and Turaif in Saudi Arabia, and Qaryatayn in Jordan — were designed to push the oil up to the pipeline's maximum point of elevation, 907 meters above sea level.

Work on the massive project began in 1947, and after three years of construction by more than 16,000 workers, the final joint of the Tapline was welded on September 25, 1950.

Pipeline to performance

The Tapline was a success. In 1951, the first full year in which the pipeline was operational, Aramco's production rose to 278 million barrels, and more than one-third of it flowed through the Tapline.

It proved to be a long, steel artery of energy to the Western markets, both accelerating Aramco's development and growth during the 1950s, as well as fulfilling global post-war needs by providing a reliable, cost-effective source of crude oil.

Developing the Kingdom

The Tapline forever changed Saudi Arabia's northern region, bringing facilities and prosperity along its route. Around the six original pumping stations, new communities sprang up, each with homes, schools, and dining halls built for the families of people working on the Tapline. By the mid-1960s, these communities had expanded to include mosques, shops, leisure facilities, theaters, and playgrounds — and together had become home to more than 5,000 people.

Although the Tapline has been out of service for decades, the towns it sparked still thrive today, e.g., Turaif, which did not exist in 1945, is now a port of entry into Saudi Arabia.

Mission accomplished

The Tapline remained a key component of Aramco's oil delivery network for more than 40 years, until a new generation of larger and more cost-effective supertankers reduced the Tapline's economic advantages. Pumping was dis-



continued, but the pipeline continued to transport smaller quantities of oil up until 1990.

The Tapline was completely decommissioned and finally "de-cruded," or cleaned out, in 2001.

The Tapline today

Today, the story of the Tapline is well-

known to those who worked on it or live near it, with fond memories of the challenges and unique experience of working on the 1,648-km pipeline.

In December 2020, the Kingdom's Ministry of Culture selected it as Saudi Arabia's first industrial heritage site, while surveys are underway to propose it as a UNESCO World Heritage Site.



The Tapline had a capacity to pump 500,000 barrels of oil per day, from the Eastern Province of Saudi Arabia to the Mediterranean Sea.

The physical pipeline still runs parallel to the highway in northern Saudi Arabia — aptly named the Tapline Road. In its current, unused state, the sheer size of the Tapline creates challenges for those working to preserve and celebrate it. Although the original main pumping stations have long been dismantled, the pipeline remains a monument to ingenuity, vision, and determination, and is one of the milestones of Aramco's legacy.

The Tapline in numbers

- 1,648 km length of the Tapline
- 16 number of days it took for oil to travel from one end to the other
- 5 million number of barrels of oil required to fill the pipeline
- 500,000 pumping capacity of the pipeline in barrels of oil per day
- 278 million number of barrels pumped through the Tapline in 1951, its first full year of operation

Late last year, the Saudi Heritage Commission announced that the Trans-Arabian Pipeline, also known as the Tapline, had been named a National Industrial Heritage site. This designation highlights the important role for the construction and maintenance of the Tapline in developing the communities of the Northern Region of Saudi Arabia, as well as providing secure and cost-effective delivery of hydrocarbons to customers in Europe and beyond following World War II.

With construction beginning in 1948, starting in Abqaiq to Qatif Junction and onward to Qaisumah, the 1,200-kilometer Tapline eventually stretched across the north of the Kingdom through Rafha, Badanah (later called Ar-Ar), and Turaif before reaching

the terminus a few kilometers south of the ancient city of Sidon in Lebanon.

The Arabian Sun reached out to former Tapline employees and dependents to tell us their stories about life in one of the world's most important pipeline projects.

Mohamad El Chami,
Tapline telecommunication specialist, 1982-1990

In March of 1982, I came to Turaif, which was the main site of the operations. I was a telecommunications specialist. Our duty was to maintain the microwave system, the telecoms equipment at each station along the route. For the main pump stations, there were 250-300 kilometers (km)



between each site. There was 150 km between each substation, and 50 km between each microwave site. Our job was to maintain all that equipment, and as the youngest person on the team, I used to travel on a daily basis.

The connection between the Tapline camp and the Saudis living in all the villages and cities along the route was really close. The Saudis always talked about us, because many of them worked with us. They used to invite us to their

weddings. I lived in Turaif for four years, then lived in Badanah until 1990, and then left Tapline in 1990. Every place along Tapline was a good place to live, because it's not about the place itself, it's about the people you live with.

Hudaib Al Hajri,
Tapline decommissioning, Northern Area Pipelines

I joined the Tapline decommissioning activity as an operations Foreman early in 1999, and served with them until 2015, both at the Saudi Arabian and Jordanian sites.

During the Tapline construction, there was no asphalt road, only a sandy and rocky road. The old Tapline retirees tell us that it was a very hard road to travel, and the traveling was very



difficult, especially for long distances.

The Tapline transformed everything in the Northern Borders area. The people who lived in that area were hired to do jobs at the Tapline, and those jobs brought prosperity to the communities along the Tapline. The Tapline also built hospitals, schools, and other facilities in different locations, and wherever there was a Tapline camp, there would be local communities that grew up alongside them.

During the decommissioning period,

we were ready to face any problem that came up, and immediately resolved issues in a very short time. Because of the long distances, and the importance of a quick response, we kept materials and all the spare parts at each main pump station so we could do our repairs and maintenance in a timely manner.

Saud B. Al-Sharhan,
operations engineering Group Leader at Northern Area Pipelines



The Tapline is a great engineering structure that is considered one of the largest engineering structures in the world. The nature of the desert is difficult. The construction was carried out in various weather conditions, as well as in different geographical settings. And at its height, there were three different governments sharing the custodianship of the land through which the Tapline ran — in Lebanon, Jordan, and the Kingdom of Saudi Arabia.

I'm an operations engineer at Berri and Safaniyah, and my responsibilities include protecting the lands around the Tapline from encroachment. The Tapline runs 1,298 km in the Kingdom, and the pipeline owns the land 200 meters in width for the full length. That's one-third of the land in the Kingdom of Bahrain. So for Aramco engineers, the Tapline is one of the milestones to be proud of.



Building offshore giants with diversity

First offshore facilities fabrication by female project engineer

By Janet Pinheiro

A 2,234-ton jacket, resting on its side in a northern Saudi Arabian port, patiently tolerates the constant hum of construction activity alongside it.

Workers in blue or red overalls swarm around the steel titan, preparing it for the day it is lifted up from its dockside home and sailed into blue Gulf waters to take its place in the Marjan field for at least 25 years.

The jacket is one of more than 25 infrastructure giants being fabricated at the Dammam Fabrication Yard for offshore installation to support the company's drilling program.

Every infrastructure piece — jackets, production deck modules, pipelines and cables — is designed for unmanned operation, and all are a testimony to humanity's power to create big things.

Jacket the favorite giant

Project engineer Manar A. Albalawi works at the fabrication yard.



“My father is a traditional Saudi man with a pure heart and an open mind,” she says. “He always supported my education and career journey, and his teachings and advice guided me through my journey from Dhahran to the U.S.”



Project engineer Manar A. Albalawi, working with engineering colleagues Ahmed A. Alhumaid and Abdulaziz A. Alshamrani in the fabrication yard for Qatif, Marjan and Zuluf increments, inspects an assembled water injection platform before its sailaway to the Marjan field where it will be installed in a water depth of 47 to 50 meters.

The jacket — each one typically made up of six legs and three bays — is Albalawi's favorite piece.

Securing her safety helmet on her head, she enthusiastically steps out of the administrative building to tour the yard. Predictably, her first stop is the jacket.

“The jacket will support the tie-in platform, which will both collect produced water, and supply water to the wellhead platforms,” she explains.

“In front of you, behind the jacket, are four production deck modules designed to be water injection platforms.

“For the final fabrication, we bring together four levels. The helideck, mezzanine deck, main deck, and cellar deck, to all form the water injection platform,” she added.

Starting out right

The core role of Albalawi's team is managing the design, procurement, and construction by the fabrication contractor.

“Our job is to lead the project and solve any problems coming up during the phases of the project,” she says.

“By checking every single thing, from the material the contractor uses to the completion of the fabrication, we work to prevent issues.

“We use a sequence to check everything, starting from the cutting, to the fabrication, as well as the electrical work and welding.

“We have to approve the different procedures the contractors use here in the yard, and we work with the Project Inspection Department to check the integrity of the fabrication.”

With infrastructure needing to operate smoothly for at least a 25-year design life, “We need to get it right at the beginning,” Albalawi notes.

Growing up alongside the Aramco family

As a young child, Albalawi delighted in disassembling her battery operated toys.

“I loved energy,” chuckles Albalawi. “I was curious to know more, and my parents encouraged my curiosity.”

Aramco was all around Albalawi when she grew up in Dhahran. “I wanted to be a part of Aramco and contribute to the Kingdom.”

The Project Management Offshore Projects Department (OPD) is committed to expanding the deployment of female project engineers at its fabrication yards and offshore worksites, says manager Abdulaziz F. Al-Dulaijan.

“Aramco is committed to nurturing a welcoming, respectful, and genuinely inclusive culture,” he said.

“A diverse workforce fosters innovation, collaboration, and respect.

“We have targets for the employment of women in our in-Kingdom operations.

“Offshore work has a particular complexity and challenge, and we welcome the diversity and talents that females can bring to this area of the oil and gas industry,” added Al-Dulaijan.

To support this, OPD recently assigned project engineer Manar A. Albalawi to the Dammam fabrication yard to work on the execution of five jackets for the Qatif, Marjan, and Zuluf fields.

Al-Dulaijan said Albalawi was a welcome member of the offshore team, and was keen to see more females join the company's offshore work areas in the near future.

“Our shared goal in the Offshore Projects Department is to create a welcome and inspiring environment where everyone belongs, including females,” he said.

With three sisters and three brothers, Albalawi says her parents supported all their children to pursue their career dreams. “They encouraged us to work hard in our education.”

After being awarded a university scholarship from the Kingdom, Albalawi studied a four-year electrical engineering degree at Merrimack College, Massachusetts, USA, achieving honors (Cum Laude) for high academic performance.

Design is a key part of the circular economy, and without replication of engineering, Aramco's production deck modules standard offshore wellhead design can be designed for oil production or water injection.



Employees give record amount in Ramadan Donation Campaign

As a leading global energy company, Aramco and its employees have the resources to help build a better world. This has been a founding basis of Aramco's corporate value of citizenship, by mobilizing our resources to generate opportunities that help make a positive impact on people and their communities.

This value pervades everything we do, but is especially true during the Holy Month of Ramadan, when employees reach deep into their pockets to give to those less fortunate, and when the company matches those donations, riyal for riyal.

This year, employees contributed over SR 6,000,000 during the 2021 Ramadan Annual Donations Campaign in 4 weeks. It was an all-time record-break-

over **SR 6,000,000**
employees' contribution during the campaign in 4 weeks

more than **SR 12,000,000**
total donation after company matched the employee donations

almost **14,000**
employees contributed this year

19.1%
employee engagement for the 2021 Ramadan campaign

ing number since the introduction of the employee online donations program 19 years ago. The campaign ran from April 19 to May 20. The company matched the employee donations to double the overall amount, which was more than SR 12,000,000.

Compared to the 2020 Ramadan cam-

paign, this year's numbers for contributors increased by 25%; almost 14,000 employees. With more contributors, the total amount of donations this year also increased 37% over last year.

Overall, corporate engagement for the 2021 Ramadan campaign was 19.1%, an indication of the passion, commitment,

and generosity of Aramco employees during difficult times.

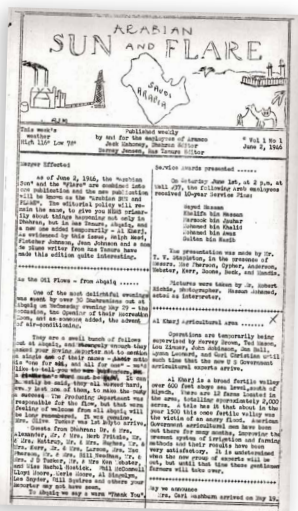
This year, employees could funnel their donations into two funds, Social and Medical. Both funds gave a special focus on vulnerable groups such as orphans, widows, senior citizens, and needy individuals.

Memory Lane: The Sun and the Flare become one

From new names to new homes, and big computers to ball games, the start of summer has always brought news.

June 2, 1946

Merger effected



As of June 2, 1946, the "Arabian Sun" and the "Flare" are combined into one publication, and the new publication will be known as the "Arabian SUN and FLARE."

The editorial policy will remain the same, to give you NEWS primarily about things happening not only in Dhahran, but in Ras Tanura, Abqaiq, and a new one added temporarily — Al Kharj.

As evidenced by this issue, Ralph Reed, Fletcher Johnson, Jean Johnson, and a nom de plume writer from Ras Tanura have made this edition quite interesting.

May 24, 1961

3,000th house purchased through home ownership plan

Ali ibn Miskeen, a mail clerk in the Senior Staff Mail Center, Dhahran, on Saturday acquired the 3,000th house built or purchased by a Saudi Arab company employee through Aramco's Home Ownership Program.



On welcoming the large group who came to congratulate the new property owner, D.J. Sullivan, assistant general manager of Operations, cited the Home Ownership Program as "one of the best ways Aramco can assist an employee to improve his living standards, and at the same time, help him create an estate."

Saudi Arab employees of Aramco are acquiring houses through the Home Ownership Program assistance at an average rate of 50 per month; the company has loaned a total of SR90 million for such homes already acquired, or in the process of being built or purchased.

May 19, 1971

5 rescued from bay's rough seas

Brothers Jim and John Bowler of Dhahran carried out a two-phase rescue mission Friday afternoon when boats carrying five English Airworks employees capsized in waves three to four feet high at Half Moon Bay.

A sailboat with three aboard was the initial casualty, but the closest brush with tragedy came when a small motorboat carrying two Englishmen became swamped after going to the sailboat's aid.



May 21, 1986

Computerization to encompass all AMS health care records



When Aramco Medical Services (AMS) put into operation its 8 megabyte IBM 4381 computer in February 1985, it seemed adequate to handle projected plans for computerizing necessary health care data for Aramco employees and their dependents.

As it turns out, the Patient Care system project workload has progressed so rapidly that an additional 8-megabyte memory unit has been ordered.

Already implemented and working

well are appointment scheduling, patient admissions and discharges, and file tracking. In mid-July, the system will begin incorporating laboratory test data. With some 2.7 million lab tests to be administered by AMS in 1986, the need for greater computer memory capacity is understandable.

May 23, 2001

Little league baseball swings into high gear



The Dhahran Youth Baseball Association (DYBA) held Opening Day ceremonies at King's Road ballfield May 17, marking the beginning of the Major Division II, PeeWee, and T-Ball seasons. The leagues run through early July.

Jim Davidson, a longtime DYBA volunteer, threw out the first pitch of the season and entertained the crowd with a whistled version of "Take Me Out to the Ballgame."

The Senior and Major Division I leagues began in March and will conclude with the DYBA Kingdomwide Invitation tournament May 28-June 1, with teams from Dhahran, Abqaiq, Ras Tanura, Jubail, al-Khobar, Riyadh, Jiddah, Khamis Mushayt, and Kuwait competing.

Aramco Expatriate Schools

2020-2021 – 2nd Trimester Honor Roll

Abqaiq School

Honors with Distinction (GPA: 4.00)

Seventh Grade: Leonardo Khouri, Janela Mari-el Managa, Juan Carlos Minda Chiriboga, and Chadeeja Saar

Eighth Grade: Rumi Rayyan Abbasi, Gisele Caraballo, Hannah M. El Baradie, Aleena Samah Malik, Flavia Mata Di Girolamo, Layan Melhem, Ray Cyril M. Mercado, Zhaniya Primbetova, Abdur Rahman Rana, and Jeremiah Jacob Yates

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

High Honors (GPA: 3.5 - 3.9)

Seventh Grade: Mohammed Hassan Ahmed, Leen Al-Wardany, Christian Caraballo, Molly Diefendorf, Hafsa Imran, Grace Louise Janike, Joash Kondru, Ayaan Shaj Manjalivalapil, Yusuf Melhem, Mohammad Qasim Minhas, and Mohammad Mohsin

Eighth Grade: Adam Al Nabtiti, Ayan Imran, Joel Kondru, Ryan Kristjansen, Juan Managa, Gyle Rafael Marinas, and Muaz Saood

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

Honors (GPA: 3.0 - 3.49)

Seventh Grade: Qusai Al Asal, Ali Jawad, Mahum Khan, Qias Qaraqish, and Fatmah Quraishi

Eighth Grade: Harith Muhammad Bin Noraswad.

Ninth Grade:

Dhahran School

Honors with Distinction (GPA: 4.00)

Seventh Grade: Elijah Abraham, Laith Abu Tahoun, Majd Abu Tahoun, Mira Abu Tahoun, Kifayat Aghazada, Rayan Akhras, Maria Al Syed, Anna Alderman, Aarav Anand, Pavitra Arun, Zad Ashkar, Grace Axler, Heidi Bahlmann, Faris Baig, Yusra Hatim Bakhit, Mohammad Abdul Rehman Bin Ammad, Debduita Boote, Annika Born, Hamza Bustami, Sarah Chaudhry, Madeleine Ciputra, Skyler Cote, Tobin Cote, Jazmin Cruz, Anika Dalal, Jaiden Daniels, Elizaveta Dolgova, Chloe Dorward, Elanur Dursun, Omar Ahmed El Deeb, Maryam Elhamri, Muhammad Hassan Farooqi, Huzaifa Farrukh, Addison Frost, Andres Guzman, Noah Haigler, Jeonghyun Han, Anika Jain, Joon Young Jeong, Pranav Kandhaadai, Ammaar Khan, Amina Khawaja, Xianguy Sophia Kong, Ainsley Lamont, Dan Luo, Menatullah ElSayed Mahrous, Leona Manu, Deborah Mayaki, Liam Santiago Menning, Maria Alejandra Mosquera, Eva Murgia, Harshini Murugan, Kinana Mustafa, Alisha Patwardhan, Valeria Polo Solano, Jose Alejandro Rivera Roa, Nadya Saraswati, Tatiana Sautkina, Maya Selfo, Krishna Sevilla, Nenzwirashe Kudzai Shoko, Hugh DePriest Spurlock, Grigorios-Rafail Spyropoulos, Jai Prajna Tammana, Gavin Tibor, Isela Tolentino, Katherine Analise Twombly, Ella Workman, Sean Matthew Wuttke, Michelle Xu, and Tameem Zuaier

Eighth Grade: Ahmed Abdelhamid, Minori Abe, Ifedayo Opeyemi Abegunde, Amara Abitabi, Nyle Ahmad, Faris Azim Ahmad Ridzuan, Sara Ahmed, Zahra Ahmed, Liyan Osama Ali Al-Omari, Alisha Alam, Taha Alam, Varvara Alexeyenko, Abdullah Bin Ammad, Matthew Ammons, Mohammad Daiyan Ashraf, Ibsham Asif, Hannah Azam, Reem Bahadidah, Reema Basheer Gowri, Nayumi Basuel, Akos Benedek, Csaba Benedek, Benjamin Catuccio, Sofia Cetkovic, Ethan Ding, Ebubechi Micaiah Ejim, Yahya Farooq, Alexandra Flynn, Nikolaos Fotiou, Jordan Goth, Adnane Gribi, Syed-Zarmaan Haider, Momin Hassan, Paul Jacob, Min Seung Kang, Minaal Shahid Khan, Yelda Khanfar, Omar Khawassawin, Eshal Khattak, Saftar Kuliev, Alison Raquel Lopez, Mohammed Malik, Satvika Mandhadi, Zamir Meah, Habiba Mohamed, Duaa

Mushahid, Ryan Sami Mustafa, Daniya Muzaffar, Jordan Rose Nelson, Iman Amani Noor Chozin Ali, Samuel Chukwuemeka Nwachukwu, Naomi Onasanya, Joshua Onwuama, Nicole Zi Yi Ooi, Areej Parvez, Maadhavan Prasanna, Margaret Ann Roberts, Gabriel Roti, Hameeda Naaz Sani, Kiran Shabbir, Seba Hafed Shadid, Tushar Shaji, Ainul Haqem Shamshudin, Raghav Sharma, Umar Shekha, Riddhima Singh, Theanna Sulivan, Keisya Regina Suryantara, Alishah Syed, Jason Treakle, Lav Trgovcic, Chikezie Darlington Ugori, Sawyer Updike, Leira Gabrielle Duma Veras, Cholapurath Jovita Theodara Vishnu, Simra Waheed, Allison Willden, Joyce Xiao, Rayyan Muhammad Yousaf, Zeina Zakzouk, Maryum Zaman, and Xinrong Zhong

Ninth Grade: Hassan Ahmed, Abrar Ansari, Ghoufran Baba, Mariana Bulla Alarcon, Aminata Cisse, Shawn Cordeiro, Raisa Clare Villanueva David, Asmaa Elsayed Elshabshiri, Nathaniel Antonio Gotera, Jakub Gruszczyc, Krzysztof Gruszczyc, Jacquelyn Hall, Wania Kamran, Ryan Kanj, Chaitravi Dadasaheb Karande, Maleeha Khan-Niazi, Dalia Mahmoud, Khodr Minkara, Zayd Iyad Nasir, Aya Osman, Annika Port, Michelle Shahzad Qureshi, Atif Shakoore, and Maya Workman.

High Honors (GPA: 3.5 - 3.9)

Seventh Grade: Lamar Abed, Mokojusoluwa Abegunde, Amina Ahmed, Raheim Ahmed, Yara Al Basha, Joud Al-Meqdadi, Aiza Ali, Sami Alikhan, Amal Almasri, Talah Alomari, Asma Ansari, Diego Arias, Abdullah Asif, Zohaib Awan, Ethan Axler, Ekenedilinna Raphael Ayadiuno, Shanza Azam, Ihsan Fawzan Azmi, Alexandre Baggett, Johan Bahlmann, Joud Alrahman Bakry, Amanah Laila Begum-Ali, Analy Bernal, Kiersten Taylor Blacker, William Buker, Tyler Cassamajor, Daniel Castro, Lila Grace Chammat, Fiona Katherine Chiam, Noah Chung, Cody Copping, Hudson Cote, Ariana Davila, Victoria Davila, Aislyn Deutscher, Dominic Downey, Catherine Paola Escalona Orellana, Benjamin Eversberg, Maryam Farshad, Katherine Gieson, Inigo Granda, Laiba Habib, Joshua Haigler, Yousef Hajhusein, Eilis Hall-Thompson, James Hanna, Eleanor Hawkins, Arjun Singh Lee Hayer, Omar Hedefa, Emilia Hinojosa Lopez, Zain Husain, Humza Imran, Ziad Jandali, Aiza Junaid, Hana Yaser Kamel, Sania Kamran, Maryam Khattak, Muhammad Thawab Looni, Aldrin Ortiz Lopez, Malak Magnin, Abdul-Fatah Maida, Abdul Aziz Amjad Marar, Myla Jai Martin, Muhammad Hassaan Mirza, Alisha Mokhtarudin, Mason Montjoy, Ali Mushtaq, Kareem Nagy Magdy Mahran Kamaleldien, Cheryl Ng Zhen Yi, Kayla Otoo, Ebosata Oziegbe-Ighodalo, Sophie Anais Phillips Granados, Jayesh Potnuru, Zena Ramzy, Haili Renee Richardson, Hla Haytham Rizk, Carolina Rodriguez, Ronik Roy, Elios Sadek, Layan Saffour, Haajra Sami, Raziq Hakim Satria, Khawla Shaari, Jana Sherik, Ali Shoier, Iyanuoluwa Samharry Sobowale, Aadit Srivastava, Drew Steenblik, Ava Swendsen, Zohair Haider Syed, Hauwa Tukur, Gabrielle Witt, and Adam Zhang

Eighth Grade: Omayya Abdalbaki, Nahla Adlouni, Velysa Putri Ahmad, Adam Akkad Salam, Shahd Al-Meqdadi, Aayan Mahmood Ali, Issah Sher Ali, Mohammed Ali, Ayman Aljundi, Nadia Arab, Daniel Atie, Suleman Awan, Hisham Aziz, Samira Baikelova, Sienna Grace Belaire, Amenah Benzaoui, Abeer Fatima Bukhari, Faizaan Chowdhury, Brent Copping, Mohammad Daraiseh, Ahmed Diallo, Carter Beau Dille, Andrew Divine, Rowan James DuPont, Mehdi El Ouair, Ibrahim Elwi, Hamza Faisal, Kavitha Farr, Amr Fayed, Janna Gooma, Madelyn Elisabeth Hales, Nael Hammou, Jul Henry, Tawaab Ali Babiker Ibrahim, Maria Khadijah Jabbar, Nora Jacobs, Aanya Jain, Judy Jandali, Connor Johnson, Dilan Jose,

Khizar Juma, Madeline Kaiser, Dawood Kaleemi, Asiwaju Kayode, Shrey Khare, Sana Khawaja, Manahil Syeda Khurram, Ailsa Siobhan Lobban, Ani Hallel Joy Lowrey, Tiana Lund, Amal Chadi Maarouf, Isla Hinemoa Milostic, Matab Saife-Islam Mohamed Elhassan, Aidan Mohd Hardy, Jamal-Udeen Momodu, Hisyam Baihaqi Muldi, Rada Musa, Ahmed Nagy Magdy Mahran Kamaleldien, Aayan Nanawati, Faraz Mohammad Nawaid, Aisya Zahira Nugraha, Gilbert Jeron Oduro, Wilbert Joel Oduro, Derek Owumi, Zainab Haniya Parwez, Saeed Rahman, Hadia Haroon Rasheed, Hamza Rashid, Fernando Regueral, Owen Rogers, Dean Zedrick Capulong Santos, Jenna Selfo, Ali Shair, Muhammad Hadiff Sharizan, Syailendra Axel Sinathrya, Nolan Smith, Ethan Alexander Stewart, Aness Suleiman, Ava Corin Swensen, Maryam Syed, Abigail Tamalunas, Sebastian Kamal Aridi Taylor, Olivia Van Stone, Haliimah Yazki, and Richard Zhan

Ninth Grade: Hanan Alali, Malak Amer, Joseph Anthony Auchterlonie, Ayan Dalal, Amal Walid El Hajj, Ali Fawwaz, Liam Augustine Graves, Samuel Gutierrez, Muhammad Haq, Mohammed Usman Khan, Camilo Ernesto Libreros Rios, James Salvador Menning, Nor Ellysha Mohd Raji, Saira Naeem, Anasteisha Nor Mansor, Osasenaga Oziegbe-Ighodalo, Salma Ramzy, Natalia Itzel Samano Santos, Jeriel Andrei Santos, Nathan Sevilla, Fatima Shaari, Maryam Khawaja Siddiqui, and Jae Tolentino.

Honors (GPA: 3.0 - 3.49)

Seventh Grade: Adam Abouelnaaj, Sami Fouad Abouheit, Abiodun Eric Adebayo Adewuya, Yasin Hatim Bakhit, Muhammet Baki, Imad Eddine Belaifa, Malek Bkathria, Zachary Burch, Elise Crisi, Siara Daza, Harsh Dilip, Zaxen Downey, Shada El Hajj, Marwan Elghafri, Abdelrahman Elhaj, Ty Ellis, Joseph Beshara Hage, Sara Hussain, Hibah Iftikhar, Amina Javeed, Nathan Johnson, Calvin Law, Ahmed Mustafa Malik, Alisha Memon, Hibah Mirza, Saad Naveed, Samuel Paz, Anton Piuneu, Ibrahim Ehab Qaisi, Zeyad Ibrahim Ramadan, Danielle Salako, Samon Sekitani, Kshirin Sethi, Rida Shabbir, Soven Smith, Adam Sori, Luke Tamalunas, Omar Tareq, Zakaria Trevathan, Faizan Tabraiz Viceer, and Hassan Yousaf

Eighth Grade: Mustaqeem Abd Khair, Yusuf Abdelrahman, Blessing Agor-Pius, Muhammad Gagarin Akbar, Sara Baalbaki, Jorge Andres Ballen Graffe, Lawson Born, Eshan Brohi, Abubacarr Camara, Ethan Correa, Levi Despaigne, Fatimah-Zahra Dhariwal, Benjamin Kaiser, Samara Kamal, Muhammad Sulayman Khan, Isaac Kinard, Mia Rose Lindsey-Hauptman, Maximilian Mainz, David Nalbandyan, Mohamed Imran Razally, Joshua Ruesch, Ameerul Mariha Taib, Amelia Anandini Windiarto, and Noor Yanes

Ninth Grade: Sarah Asif Ahmad, Yahya Sher Ali, Yahya Alsheikh Kassim, Mohamed Jamel Bkathria, Zaid Dawd, Camilo Daza, Malik Hassoun, Yasakha Gneiss Putra Husni, Aizah Hussain, Li-ana Abdalla Manai, Menaal Syed, and Angelina Turner.

Ras Tanura Middle School

Honors with Distinction (GPA: 4.00)

Seventh Grade: Ahmad Abbasi, Ashbah Mohammed Bantwal, Rylie Bick, Clara Boggan, Dasiana Cioroba, Julia Dabrowska, Aaryan Garg, Hangyul Mason Jo, Joon Hee Lee, Sofia Alexandra Manzano Coronel, Rhiane Macapagal Padua, Shruti Sutar, and Devadas Vinod

Eighth Grade: Hannah Lynn Batiste, Brian Jesus Blanco, Max Breuer, Aria Carscadden, Sooyoung Choi, Akif Daniyal Choudhary, Ain Chung, Haiqa Ghaffar, Dhruvi Gohel, Zaid Goraya, Ashwanth Guru Raja, Haya Hijazi, Deekshita Imandi, Rayan Khan, Aeesha Jeanne Saldivar Mayor, Howard Enhao Mei, Mahi Nanda, Isha Patel, Adithi Pon-

nambalam, Jeanna Retanal, Hafiza Malak Satra, Sevani Somu, Hyochang Son, Lydia Swets, Valeria Chiquinquira Ustiola, and Eishita Yadav

Ninth Grade: Afnan Mohammed Bantwal, Averielle Cordoves, Abigail Ruth D'Souza, Emmanuel Naum Ginoski, Rodge Nicholas Feniz San Luis, and Naiya Shah.

High Honors (GPA: 3.5 - 3.9)

Seventh Grade: Rawan Mohamed Ahmed Ali, Mairdel Sameer Al Afghani, Hashem Al-Omari, Muhammad Abdurrehman Arshad, Tejavath Anushka Balaji, Nathalia Barrero, Zara Nazar El-nisa Bingol, Aaron Flores Burgos, Christian Angelo Castro Casilla, Jember Mae Hiwot Chaney, Manasa Ganugapenta, Tomas Giraldo Huertas, Anabella Haughton, Larisa Hoffman, Syed Huzaifa Hussain, Taekyu Hwang, Ayaan Khan, Esther Grace Maples, Yosif Mustafa, Maxwell Peach, Muhammad Hassan Qamar, Lojin Salem, and Arham Zaheer

Eighth Grade: Adeeva Alli, Muhammad Hashim Arshad, Nathan Flores Burgos, Mary Mabel Margaret Conzemius, Michael Alexander Laszlo, Roxanne Meder, Maryam Motunrayo Olatunde, and Noor Ulhaq

Ninth Grade: Thea Abi-Habib, Brooke Bachman, Petros Hilawe, Vin Mico Visaya Medina, Nile Angelo Manalac Montes, Miriam Morales Garcia, and Zakariya Sakhri.

Honors (GPA: 3.0 - 3.49)

Seventh Grade: Adam Dammad, Kyujin Jeon, Mohammad Khurram, Halit Ozoktem, Ibrahim Pena, Vikramaditya Shivdekar, and Hamza Soliman

Eighth Grade: Nawaf Al-Ghuribi, Kurtis Owen Brewster, Myles Charles Drummond, Torty Chinenye Kalu-Ulu, Evan Jacob Most, Ibrahim Muhammad Qureshi, and Mauro Rodriguez Riera

Ninth Grade: Heidee Grace Borbe, Finnian Matthew McGough, Rirhandzu Ngoben, and Anna Isabella Rebl.

'Udhailiyah School

Honors with Distinction (GPA: 4.00)

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

Eighth Grade: Rianne Alghazali, Mostafa Donia, Krishna Dwarika, Samansa Hanabusa, 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: Akmal Mazlan and Rocio Oubina

Eighth Grade: Fayed Farhan, Anais Giannopoulos, Basma Jama, Savannah Jensen, and Kanza Malik

Ninth Grade: Camila Alfonzo and Christllyan Tabas.

Honors (GPA: 3.0 - 3.49)

Seventh Grade: Maryam Mahomed, Luca Roetter Gresback, and Joaquin Sanchez

Eighth Grade: Julian Naranjo Avila and Jacob Rowland

Ninth Grade: Salma Bilqish.

SAES Online School

Honors with Distinction (GPA: 4.00)

Seventh Grade:

Eighth Grade: Ana Sofia Garcia Mendez, Megan Diane Kenyon, and Salihah Ayotomiwa Salu.

High Honors (GPA: 3.5 - 3.9)

Seventh Grade: Jad Abu Agil, Ahmed Shadid, and Benjamin Weight

Eighth Grade: Ibrahim Hisham Takkoush.

Honors (GPA: 3.0 - 3.49)

Seventh Grade: Muhammad Hayqal Sharizan

Eighth Grade: Abdullah Baig.

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Photographic memory

An exploration party in the Rub' al-Khali traverses the dunes aboard a sand buggy in June 1967. Aramco had a fleet of 12 sand buggies, which were used to transport men and equipment for seismic operations. The buggies' large, low-pressure tires gave the vehicles high mobility in the desert. They later saw service along the Gulf coast, performing seismic work in intertidal zones. (Photo by B.H. Moody)

the arabian sun



Memory Lane: The Sun and the Flare become one

see page 7

‘Relentless in our safety focus’ good for you, good for business

By Mohammed N. Al Shammari

An uncompromising culture of safety is good for business, according to Mohammed Y. Al Qahtani, senior vice president of Downstream.

“Safety, of course, is a corporate value that is embedded in everything we do at Aramco,” Al Qahtani said. “We aspire to be the safety leaders in the Kingdom and in the industry, ensuring that our activities, every day, in our facilities, in our homes, on- and off-the-job, are conducted in the safest way possible.”

“Being relentless in our safety focus is not only good for business, creating value for the company, but it also keeps our people and the company’s assets safe for generations to come,” he said.



“Safety is a corporate value that is embedded in everything we do,” says Mohammed Y. Al-Qahtani as he speaks at the Downstream Safety Boot Camp in Ras Tanura.

“Safety, of course, is a corporate value that is embedded in everything we do at Aramco.

— Mohammed Y. Al-Qahtani

Safety boot camp by the beach

Al Qahtani made his comments while on a second consecutive weekly visit to the Downstream Safety Boot Camp held at the White Sand Lounge in Najmah, Ras Tanura, reinforcing the importance of the program on the business line’s health, safety, and environment (HSE) record, which he said had improved significantly compared with previous years.

“I have full confidence in our people to continuously improve the HSE performance,” he said, highlighting the chal-

lenges related to H₂S, flammable products, temperature, high-pressure, and aging equipment, while reinforcing the importance of remaining vigilant.

Distractions cause accidents

Al Qahtani also emphasized the importance of traffic safety, expressing his deep sorrow for the employees who had lost their lives in road accidents and highlighting the risks of driving in the Kingdom. He said the main causes of road accidents were related to distractions, which he said were mostly caused by mobile phones, speeding that was often en-

couraged by peers, and stress.

He also stated the importance of maintaining safety when off-duty. “Safety is a way of life,” he said. “Aramco cares about workers and their families.”

Importance of knowledge transfer

Al Qahtani told his audience that he expected all employees and contractors to return home from work happy and in good health at the end of each day. He also said he trusted every worker was well trained to fulfill his or her duties, highlighting the importance of more

experienced professionals transferring their knowledge to younger generations.

The five-day safety camps, which typically include Downstream professionals with between six to 32 years of experience, have seen more than 1,000 front-line supervisors complete the program in 77 iterations since 2009.

In closing, he said, “We are in a tough environment, but we are a committed team, and our responsibility is to properly manage risks every day and prevent accidents on- and off-the-job. And together, we can do it.”

Lights over calm waters

Abdullah Garrous, who worked for Aramco for 17 years at various locations from Hawiyah and Haradh to Ras Tanura, Berri, and Qatif, captured the reflection of street lights across calm waters near the Qatif Corniche. Garrous, who lives in Qatif, used a Samsung Galaxy S8+ phone to take the photograph.

