

the arabian sun

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a weekly Aramco publication for employees



'Id Mubarak

Dear colleagues,

The blessed holiday of 'Id al-Adha next week comes at a time of cautious optimism for all of us.

On the positive side, COVID-19 vaccines are proving effective and there are hopeful signs that a global recovery is underway. Yet, the recent rise in cases is concerning, and we know from experience how quickly the situation can turn. We have a responsibility to stay safe, stay vigilant and work together to ensure the continuity of our essential operations.

I am pleased that many employees and their families are getting vaccinated. Getting fully vaccinated is the single biggest step any of us can take to end the pandemic. Our colleagues at John Hopkins Aramco Healthcare have done an outstanding job on our vaccine program and they deserve our gratitude. I also want to express my appreciation for our colleagues in remote areas who will be spending this holiday away from their families, as well as all of those working hard to support the Kingdom's efforts to host a safe and successful Hajj.

I hope you all have a chance to safely

reconnect with your loved ones this holiday, and that you also rest and recharge. As we reflect on our blessings during this 'Id, I want to thank you all for your continued commitment, hard work, and support.

This pandemic has truly tested us, but I am looking ahead to the second half of 2021 with hope and optimism, knowing that we will get through it together.

I wish you all a happy, safe, and peaceful 'Id.

Amin Nasser, president and CEO

开斋节快乐
Chinese

イード おめでとう
Japanese

Bonne fête de l'Aïd
French

عيد مبارك
Arabic

행복한 이드 보내시기 바랍니다
Korean

Feliz 'Id
Spanish

'Id Mubarak
English

IR 4.0 technology hits the track with 3-D printed racing cars

See page 5



Young participants competed to build small-scale racing cars using 3-D printing at a recent event at the Dhahran Techno Valley, sponsored by the Aramco Entrepreneurship Center (Wa'ed).



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Ithra celebrates 'Id al-Adha with visitors through a variety of activities under the theme "Hajj Routes"

The King Abdulaziz Center for World Culture (Ithra) plans to celebrate 'Id al-Adha under the theme "Hajj Routes," starting from July 21, the second day of 'Id, until July 24, 2021. Ithra will offer a variety of activities designed for families and will focus on the routes that pilgrims traditionally traveled to reach the holy cities. The activities will also look at the traditions surrounding the arrival of the pilgrims, in addition to highlighting selected Hajj rituals, such as Zamzam water and the journey of the Ka'bah Kiswa to Makkah.

Events include a parade that will weave through Ithra, which evokes the traditional journey of the Ka'bah Kiswa from Egypt to Makkah. Artwork will show photos and videos that document the development phases of Hajj and Makkah in creative ways.

The "Science Secrets" program at the Energy Exhibit will present enriching experiences to visitors as they take on various challenges through multiple activities that highlight scientific discoveries in sound and navigation.

"The Last Journey" (*Alghatrousha*), a fun and suspense-filled play that carries valuable messages, will be presented to adults and children. The play will inspire our young pioneers by presenting creatively designed programs that explore the diversity of folklore in different countries, as well as highlight the traditions surrounding the arrival of pilgrims. The play will also highlight how pilgrims are celebrated and received by their families, as well as how they share their joy upon completing the pilgrimage.



Your voice

Change is the only constant in life

By Duaa Mushahid
Saudi Aramco Expatriate Schools

Adapting is a characteristic of life. An organism is only alive if it possesses the ability to change. Subsequently, adapting isn't only necessary for us to survive; it's essential for us to "thrive." We need to be able to change and adapt to various situations and conditions throughout our lives. Often, change is not expected or welcomed, however, we find ways to work with it. Some of us are skilled at adapting; others are not. To improve our ability to adapt, we can learn from the master adapters within us: teachers.

Successful teachers, like the ones at Saudi Aramco Expatriate Schools (SAES), have to be naturally adaptive. Each teacher has their own style of teaching that they constantly evolve to fit their students' learning abilities, habits, knowledge, motivation, and schedule. Flexibility and adaptability are inherently ingrained in their profession. Teachers exemplify these traits in every lesson, class after class, year after year.

Toward the end of the 2019-2020 school year, teachers found themselves in front of the ultimate test. March 9, 2020, was the last day that students were in school before it officially moved online due to COVID-19. Many teachers, whose style relied heavily on face-to-face interaction, had to scramble to adapt their course to fit the current predicament. Art teachers changed their units so students could complete them



from home. Science teachers recorded their experiments so that students could still observe the phenomenon. Language Arts teachers provided their students with resources to read and write from home; each student also received personalized feedback. All these changes were undoubtedly tricky to pull off, but teachers never faltered or missed a step. They showed us that no matter where school was taking place, it would remain an interactive, fulfilling, and enriching experience.

The changes were far from over, though. On November 8, 2020, school shifted from totally online to a hybrid model. Instead of teaching four of the same classes, teachers now had to teach eight. Despite this, the teachers at SAES stayed positive, enthusiastic, determined, and above all, flexible. The teachers taught all students the same way, whether it was their second class or the seventh. Social studies teach-

ers still pulled off simulations for their classes even though there were half as many students in a class. Physical Education teachers designed an interactive program for students to choose workouts they liked. Math investigations stayed as interactive and explorative as ever. In addition, all teachers adapted to this new system of desk wiping, hand sanitizing, and social distancing. Throughout the process, no class ever lost its appeal, and students remained focused. The teachers showed us that even though they had to do more work in this hybrid model, each child would receive the same amount of individual attention.

We applied this attitude to other fields of life, as well. Employees went from working with colleagues in-person to working from home to ensure the continuation of the business. Doctors went from examining patients in the clinic to receiving information over the phone and through video visits to provide care. All of these remarkable changes show a mindset of flexibility and adaptability. None of these changes were easy to make, but every change had a positive output and proved the great saying by Heraclitus: change is the only constant in life.

About the Author:

Duaa Mushahid is an eighth grade student at the Saudi Aramco Expatriate School, and is the daughter of Muhammad Qureshi (a Loss Prevention Engineer).

Preventive safety measures to limit the spread of COVID-19

With the recent surge of COVID-19 cases, Johns Hopkins Aramco Healthcare (JHAH) is taking additional preventive measures for the safety of our patients and visitors.

Limiting face-to-face appointments

All specialty clinic follow-up appointments scheduled between July 13 and September 30 will be converted to a telephone visit. Your doctor will call you at the scheduled time for your appointment.

We encourage all patients who would like to schedule a non-urgent primary care appointment to use one of our telehealth options such as telephone or video visits.

To request a telephone visit, you may schedule an appointment using

MyChart or call 800-305-4444 during working hours.

Suspension of visitation at JHAH Effective Tuesday, July 13, 2021

Our foremost concern is the safety and well-being of the people under our care. As those receiving inpatient care are the most vulnerable to infection, JHAH has decided to suspend inpatient visits until further notice. You may contact your admitted loved ones at JHAH by calling the Centralized Call Center at 800-305-4444/option 7, from 7 a.m. to 10 p.m.

For outpatient clinics and Emergency Room visits, **only patients** are permitted. If the patient's condition requires assistance, then only one companion is permitted per patient.

We appreciate the understanding

and cooperation of patients and family members. For more information, read the JHAH temporary COVID-19 visitation guidelines by visiting: JHAH.com > [Patient Information](#) > [Visitor Information](#).



Who said you can't have fun and stay safe?

At-home activities during the pandemic

By Dalia Darweesh

Protect yourself and your loved ones. This is a slogan and a lifestyle that we have been living by since the beginning of the pandemic over a year ago. We have come a long way from living with uncertainty and fear. By now, we have adjusted to the new normal — while still being able to connect with one another. Staying in touch with our loved ones is important, but what's more important is staying vigilant and following COVID-19 precautions.

Yet, none of that has prevented us from spending time with immediate family, and having fun. Now that it is summer time, and 'Id al-Adha is approaching — here are some fun activities that you can enjoy with your immediate family at home.

Games

- **Board Games:** Monopoly, chess, Sequence, Carrom, puzzles
- **Card Games:** Uno, Bedon Kalam, Saudi Deal, Gool Bas La Tgool

Indoor Activities

- **Cooking:** Learn a new recipe, or have family members help out with baking and cooking where everyone is responsible for doing a certain task.
- **Movie night:** Day or night, there are plenty of movies or classic plays to watch on TV or even on Netflix. Prepare some snacks, turn off the lights, and enjoy!
- **Performances:** Have a talent? Wheth-



er its singing, playing an instrument, or dancing — put on a performance for the family and have fun.

- **Charades:** A classic fun-filled game for every member in the family. It can last for hours, making us lose track of time, in a good way!
- **DIY crafts:** Do-it-yourself crafts. Whether it is 'Id decorations, painting mugs, or making a collage, you can find so many ideas, so unleash your creativity!
- **Virtual games:** Have family members that you can't meet? You can play games with them virtually, including Gool Bas La Tgool, Bedoon Kalam, and charades.

Outdoor Activities

Just because it's hot outside, doesn't mean that you can't enjoy outdoor activities. Make sure to stay hydrated and to wear some sunscreen — try to find shaded areas if you can.

- **Rollerblading,** skating, biking, and playing soccer are all active games that family members can enjoy.
- **Swimming:** For those who are lucky enough to have a swimming pool, not only is it fun, but it's also good exercise. Add in some games like a treasure hunt, volleyball, and squirt guns.
- **Stargazing:** One of the best nighttime activities is to watch the night sky.



Have your phone or tablet handy so you can search constellations and locate them.

- **Gardening:** Learn how to plant, and have each family member plant different seeds. Everyone will be anticipating the seeds to grow into beautiful plants.
- **Barbecuing:** What's fun about this is that every family member can partake in it. Setting the table, marinating meats, preparing toppings, and of course the most fun part, grilling!

Finally, remember to stay safe by keeping a distance, wash your hands regularly, and avoid hugging and hand shaking.

Ithra reveals two new films at Cannes Film Festival

The King Abdulaziz Center for World Culture (Ithra) is revealing two new films as part of its participation at the Saudi Pavilion, which is hosted by the Saudi Film Commission, at the 74th edition of the Festival de Cannes 2021. Celebrated Egyptian screenwriter and producer Mohamed Hefzy will introduce his Ithra commissioned film *Sea of Sands* (working title) alongside the unveiling of Saudi award-winning independent filmmaker Khalid Fahad's *Valley Road*. The move forms part of Ithra's strategic commitment to nurture and develop talent across the Kingdom's creative industries.

Produced under the Ithra Film Productions banner, *Sea of Sands* and *Valley Road* are both scheduled for release

in 2023. Ithra confirms that the cast and crew for both films will consist of aspiring Saudi talent, thereby nurturing a new generation of film creatives. They follow the successful international release of the experimental 2018 film *Joud*, an unconventional meditation on the cycle of life, Ithra's first commissioned film.



FESTIVAL DE CANNES

"Ithra Film Productions is a leading indie film producer in Saudi Arabia," said Majed Z. Samman, head of Performing Arts & Cinema at Ithra and the producer of *Sea of Sands* and *Valley Road*. "We support the Kingdom's growing film industry by nurturing homegrown talent and fostering cinema and filmmaking in Saudi Arabia. We are honored to announce our next two projects at one of the world's most prestigious film fairs as part of the Saudi Pavilion at Cannes Film Festival."

Meanwhile, Fahad's *Valley Road* follows the odyssey of Ali, an autistic young man who gets lost on the way to see a doctor in a nearby village. Ali finds himself alone in the middle of nowhere,

where a series of obstacles and challenges cannot stop him from discovering the world ahead of him.

Apart from Ithra's commissioned films, the Center is home to the Saudi Film Production, Saudi Film Days, and the Ithra Film Society,

Ithra Film Productions has helped dozens of filmmakers bring their dreams to life. As one of the largest film producers in the Kingdom, it has produced 20 films, of which 15 have received local, regional, and international awards.

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



let's catch a phish

Yazeed S. Alamro clicks on "Report as Spam" first

The June phishing email test was a teaser about staff merit increases for 2021 supposedly sent from Human Resources. Did you click on the fake notice? **Yazeed S. Alamro**, a petroleum engineer with the Khurais Well Completions Unit with the Southern Area Well Completion Operations Department, was

observant and quick to report the email as spam.

Although highly tempting to click on the link, this email had all the hallmarks of a phishing email test, including:

- A suspicious domain (human-resources <hr@aramco.cor>)

- An attractive subject ("Staff Merit Increases Approved for 2021")

- A large, bright red external tag ("PHISHING ALERT")

- Awkward phrasing (%12 starting 1st of July)

- An embedded link ("Click Here").

The top 3 positive performing Admin Areas:

1. New Business Development
2. Project Management
3. Engineering Services

thank you

The Information Security Department would like to extend its gratitude and appreciation to **the top three positive performance Admin Areas** for their noticeable efforts in scoring the lowest negative behavior; along with the highest positive behavior for the June simulated Phishing Email Test. Such efforts reflect positively on Aramco cybersecurity user behavior and elevates the resilience of Aramco's core business.

cybersecurity tip of the month

Data Mining in Cybersecurity

By Fatima A. Alghool

In the era of vast technical advancements, many organizations rely heavily on computer networks and connections for exchanging information and conducting business. The increased number of cyberattacks on these networks and communication channels makes it extremely vulnerable. Data mining has proven to be useful in the industry in implementing a number of cybersecurity measures. In cybersecurity, data mining helps to process large databases more quickly, and generate a distinctive and effective model depending on the use case.

There are some techniques that data mining can be used for cybersecurity solutions. The first solution is malware detection. Using data mining in security applications will enhance the quality and speed of malware detection and increases the detection of zero-day

vulnerabilities. Another solution is the detection of intrusions and identifying anomalous patterns. More specifically, data mining can detect two types of intrusion attacks. The first type is a host-based attack that affects a single device or a group of devices. The second type is network-based attacks, in which the attacker targets the entire network. In this case, host-based attacks are detected by analyzing program features, while network-based attacks are detected by analyzing network traffic. Finally, the third solution of data mining can support in detecting fraud activities, including financial and telecommunication fraud.

In summary, data mining techniques are extremely beneficial for detecting malicious software due to its ability to detect both known and unknown attacks. It should be noted that the use of quality data sets is an essential ingredient to acquire accurate data mining results.





Nedaal Y. Bembi and Hamad N. Akram of the Masters team.

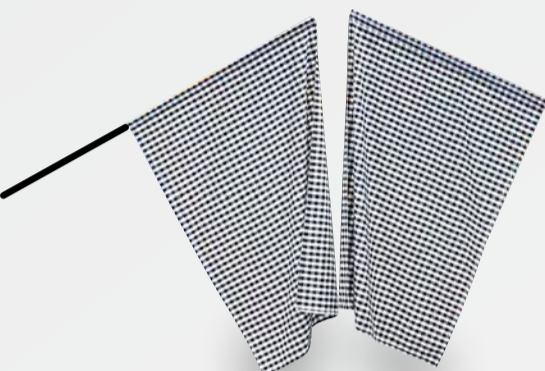


Hassan S. Alsinan and Ibrahim A. Meftah with the FGPMMD team. Their car, painted in Aramco colors, was 100% 3-D printed.



Rana N. Akram, Sarah M. Al-Dossary, and Raneem N. Akram prepare the Masters and Aramco IT teams' cars for racing.

IR 4.0 technology hits the track with 3-D printed racing cars



By Alan Breacher

Three teams of young, ambitious Saudi engineers and industrial designers — members of the Aramco Entrepreneurship Center's (Wa'ed) Innovation Ecosystem Society (IES) — have successfully crossed the finish line with small-scale racing cars they designed, manufactured, and constructed using additive manufacturing (3-D printing) and locally sourced electronics components. The teams — Masters, Aramco IT, and Fadhili Gas Plant Maintenance Division (FGPMMD) — tested and raced their cars at the Technology Advancement & Prototyping Center (TAPC), situated in the Innovation Cluster building within the Dhahran Techno Valley, on June 14 and 26.

The TAPC, part of the King Fahd University of Petroleum and Minerals, provided technical support for the computer-aided design and the 3-D printing of race car components, including workshops for knowledge transfer, and facilities for assembling and testing the cars. The Aramco Fourth Industrial Revolution (IR 4.0) Center and Aramco's Consulting Services Department's Non-metallic Engineering Division also supported the project with equipment and expertise.

The teams' successful completion of a series of time trials at the TAPC facility represents a key milestone toward collaboratively developing a full-scale prototype racing car — a three-year project managed by Wa'ed — that will be 3-D printed, powered with hydrogen, and include artificial intelligence for au-

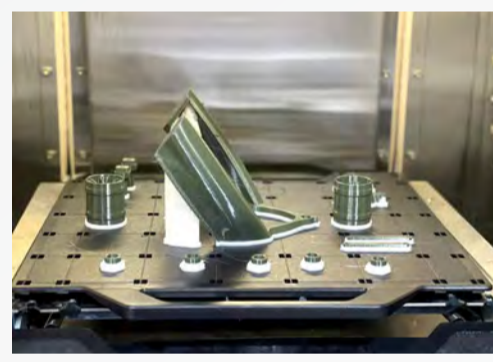


Project team members at the Technology Advancement & Prototyping Center with their 3-D printed racing cars on June 26.

tonomous driving. Wa'ed has incubated two local startups — Stellar Motors and Maverick AI — that are bringing their expertise to the project. The prototype will be showcased in December at the inaugural Formula 1 Saudi Arabian Grand Prix in Jiddah.

The Masters team, which printed their car using one of the TAPC's 3-D printers, narrowly achieved the fastest time during the time trials, thereby demonstrating the effectiveness of their car design and construction. "This has been an amazing team effort, but at the end of the day we are all winners," noted Hamad N. Akram, one of the Masters team's drivers.

The two "race day" events followed months of hands-on collaborative innovation between the team members and industry experts. "Early tests proved some car components should be thinner than others, depending on their function. The lessons learned resulted in cars with improved pace," commented Ghafar Sether, CEO of Stellar Motors. "In



3-D printed race car components. (Picture credit: Innovation Ecosystem Society)

the future, continuous fiber fabrication technology may be used to improve the mechanical strength of thinner components," added Yasir Abdullah, coordinator of the TAPC.

After a small number of component failures occurred during testing, the engineers had to "upgrade" some designs and reprint the car parts. Samantha Horseman, an innovation leader at Wa'ed and president of the IES, said, "This is why we test, and it is fine to take some knocks and falls. The teams kept learning and improving their cars from the setbacks." The Aramco IT team's decision to change the material used for their 3-D printed components and rebuild their car was a case in point. The new car featured improved road handling and a lighter front end that was more crash resistant.

The project has expanded the participants' notion of what is possible. "Stepping up the game of the automotive industry to 3-D printing could potentially lead to safer and greener vehicles," said Waleed Albahnsi.

The potential of IR 4.0 technology to transform transportation has encouraged female Saudi engineers and designers to join the project. Rana N. Akram, a Masters team member, said, "I've enjoyed the assembly and design activities, including with 3-D printed parts, and how to start designing the car." Sarah M. Al-Dossary, a mechanical engineer, tapped into her experience at Aramco Aviation and contributed to quality inspections, assembly, testing, and design. "Motorsport and the aerospace industry share many characteristics, including aerodynamics. I helped create a better drive shaft with improved performance, and also combined design 'mashups' with color theory to design the aesthetic appearance of the car," she said.

This bodes well for the prototype racing car project and its potential for laying the foundation for a 3-D printed — nonmetallics-based — automotive industry in the Kingdom; one that produces low emission autonomous driving vehicles labeled "Made in Saudi Arabia."



Scan the QR code to join the IES and learn more about the quest to build a prototype racing car in Saudi Arabia.



Saudi Film Success

“The Island of Arabia”: The story of the past that has become a thriving present

By Maytham Al-Musawi

There’s no doubt that many of the boons that we enjoy today were not available to our fathers and grandfathers, their days often fraught with hardship. Just in a few decades, the Kingdom and world in general, have seen remarkable change and advancement.

Many details about this change escape our memory, but are highlighted in the film “The Island of Arabia” (also known as “Island of Allah”), which was commissioned by Aramco in the 1950s to be the first feature-length motion picture about the Kingdom. The film tells the story of the early geologists’ journey to explore and discover oil, in turn bringing a renaissance to Saudi Arabia.

The film was directed by producer-director Richard Lyford and featured James Stewart, who starred as head geologist Max, and Isa Sabbagh, who played Khaled, the desert guide. It mainly featured Aramco employees, and lasted almost two years in the making, as scenes were filmed in several cities in the Kingdom, including Dhahran, Jubail, Dammam, and al-Hasa, as well as 13 other countries.



This behind-the-scene photo was taken for members of the film crew during shooting in Jubail.



Members of the cast and the production crew of “Jazirat al-Arab” include, left to right (standing), Ray Graham, Dr. Charles Matthews, Sa’ad ibn Rukayyan, John Jones, Zafar Hussaini, Said Shawa, Isa Sabbagh and Nasir ibn Mubarak; (kneeling) Jim Stewart, Arch Perry and Hank Constad.

Richard Lyford (second from left) directs preparations for filming a sequence of “Jazirat al-Arab” in Jubail. Jim Stewart (left) and Al Clements (to the right of Lyford), now working in Texas, wait for Lin Adams to adjust the microphone before stepping before the camera.



In June 1955, the film was screened in Cairo, then found its way to cinemas in Alexandria, also released on a limited basis in Western theaters. The film was also screened in the company’s cinemas and later on Aramco TV on its inauguration night in September 1957.

Search for desert treasure

The 70-minute film starts with a young boy pointing to Jubail, then receiving a mission from American geologists to embark on a journey to search for the “black gold” with the help of desert guide Khaled and his young boy companion, Hamad.

The film refers to the history of successive ancient civilizations in the region, and the role of Arabs of the peninsula played in linking them through commercial caravans, all the way to the dawn of Islamic civilization, its prosperity and then its degradation. The film then details the story of King Abdulaziz Al-Saud, his journey back to Riyadh to restore and unite the Kingdom, and finally, the discovery of oil and the subsequent historic event of a full renaissance.

Although many details of the film are worth highlighting, Hamad’s role in the film deserves some special attention. The young man at the time represented the future, which today is an incarnate presence. Hamad can be looked upon as a racer who took a torch from the first generation of pioneers, to pass it to a new hopeful generation, eager for more achievements, which stem from a rich and ancient past they inherited from their forefathers.

Golden opportunity

Hamad, played by Nasir Ibn Mubarak Al-Hoty, is now over seven decades old but still remembers some of the details of that unique experience.

It all began when Al-Hoty joined Aramco at an early age to work as an office boy, before working in the Aviation

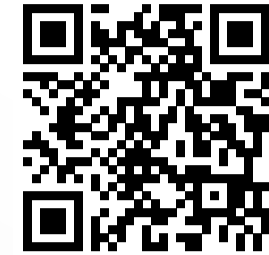
“In the 1950s, Aramcons played a key part in bringing the Kingdom to the silver screen with a major film production.”

Department. “Joining the company was a dream for all young people, not only as it paid well, but also provided many other benefits, including continuous attention and development of young people,” he said.

Al-Hoty expressed his genuine feeling of being part of the Aramco family, something he said is very common among the first generations of employ-



Nasir Ibn Mubarak had a career rich with experiences in Aramco; one of these was acting the role of a boy joining the geologists in their unique journey to explore for oil in the Kingdom.



Watch: “The Island of Arabia” movie.

ees. He also added that he feels very proud to belong to the company that shaped the present of the entire region through its citizenship initiatives, and its effort to build competencies through a diverse and multinational work environment.

Fond memories

Al-Hoty said that his outgoing and confident nature at an early age caught the attention of the filmmakers.

“I caught the attention of an American employee who spoke fluent Arabic. I was bold and energetic, and spoke with confidence, so he called me and talked to me about the film. I remember him bringing a recorder to record my voice, and I felt really excited when I listened to it as I had never seen such a thing before.”

Al-Hoty also fondly recalls the enthusiasm and energy the experience brought to him, which encouraged him to go through the unique experience of filming without any problems. “I was so happy when I first watched the film, and I still feel proud every time I see it — especially when joined by my children and grandchildren,” he said.

According to Al-Hoty, the film was a great success at the time, but unfortunately there were limited opportunities in the film-making industry locally as to motivate him to pursue an acting career, and so, his experience remained once in a lifetime.



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New comprehensive business park creates hub that stimulates economic growth AMAAD Business Park to help foster innovation

Aramco's efforts to foster an innovation ecosystem, comprising King Fahd University of Petroleum and Minerals (KFUPM) and Dhahran Techno Valley (DTV), are gaining ground. DTV is already the world's largest technology cluster encompassing petroleum energy-related R&D centers. But with the addition of the AMAAD Business Park, located in a prime location in the heart of Dhahran between KFUPM, Johns Hopkins Aramco Healthcare (JHAH), and Aramco, this innovation ecosystem is a state-of-the-art, comprehensive business park developed by the Dhahran Technology Valley Investment Company, a subsidiary of KFUPM.



Aramco has been a strategic partner for KFUPM since its establishment and key national champion of DTV since its inception. Championing an innovation ecosystem demonstrates the company's commitment to the Kingdom's Vision 2030 with its emphasis on economic and social growth and transition to a knowledge-based economy.

Collaboration between Aramco and KFUPM

In a recent meeting of the Aramco-KFUPM Collaboration Oversight Board, co-chaired by Mohammed Y. Al-Qahtani, senior vice president of Downstream, and Dr. Mesfer Al-Zahrani, KFUPM's vice president for Academic Affairs, board members voiced strong support for this strategic project.

"AMAAD Business Park is the result of generational collaboration between

Aramco and King Fahd University of Petroleum and Minerals, leaders in both the energy and education sectors," Project Management vice president Abdulkarim A. Al-Ghamdi said. "AMAAD is set to become a world-class and exceptional energy and engineering district that will facilitate comprehensive economic development through creating a hub that stimulates innovation. With a strategic location and a variety of unparalleled amenities, AMAAD acts as a vehicle for attracting Foreign Direct Investments to the Kingdom, in alignment with the goals of Vision 2030."

"The AMAAD Business Park is a prominent address for premier businesses," said Abdulatif Al Othman, chairman of the Board, Business Park Complex Company. "It is supported by the leading driving forces of Saudi economy and education; KFUPM and Saudi Aramco. We are certain that AMAAD will be the ultimate benchmark for real estate development with visible economic impact in Saudi Arabia and the region."

"The project is driven by an inspiring vision that sees business parks as centers of innovation and development, that will facilitate sustainable urban growth, and attract international investment opportunities to the Kingdom, as part of Vision 2030's goal to drive the Kingdom's economic growth into new horizons," added Towfiq Al-Abdulahadi, chief executive officer, Business Park Complex Company.

"The opportunities and amenities presented by the AMAAD Business Park are unprecedented in the East-

- The AMAAD complex will include:
- Eight towers for offices, all ranging between seven and 10 floors
 - Five towers for residential apartments, including a community center and masjid.
 - 4-star hotel (216 keys), with associated serviced apartments (118 keys), and a 1,100 square meter multifunction room for conferences
 - Commercial and retail spaces, restaurants and cafes.

ern Province and we hope that it will further attract investment opportunities from across the world into the Kingdom," said Muhammad Al Saggaf, president of KFUPM.

LEED certification

The AMAAD complex will be built with an eye to achieving Leadership in Energy and Environmental Design (LEED) Silver certification, as defined by the U.S. Green Building Council. Offices, health care, residential, entertainment, and retail will all be available within a 10-minute walking radius, reducing the need for car trips. Indoor and outdoor water use will be designed for reductions of 45%, and overall energy savings are expected to reach 18% below that of traditional designs.

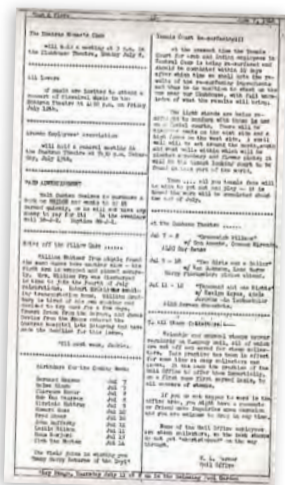
Aramco benefits by having local technology providers to meet its needs, and the Kingdom benefits from the tens of thousands of jobs that could be created by entirely new industries and service providers located here in Saudi Arabia.

Memory Lane: From the passing of a CEO to the opening of a Pepsi-Cola plant, a look back

Thirty-five years ago this month, former Aramco president and CEO Tom Barger passed away. Here are some of the headlines through the decades as we take a stroll down Memory Lane.

July 7, 1946

To all stamp collectors



Valuable and unusual stamps appear regularly on company mail, all of which are cut off and saved for stamp collectors. This practice has been in effect for some time as many collectors can prove.

It has been the practice of the Mail Office to offer them impartially, on a first-come, first-served basis, to all seekers of stamps.

If you do not happen to work in the of-

ice area, you might have a roommate or friend make inquiries upon occasion, and you are welcome to drop in any time.

None of the Mail Office employees collects stamps, so the best stamps do not get "shortstopped" on the way through.

July 4, 1956

SR2.6 million pepsi-cola plant opens formally at al-Khobar



A SR2.6 million Pepsi-Cola bottling plant opened last week in al-Khobar during ceremonies attended by about 4,000 people.

HH Amir Turki ibn 'Abd Allah ibn Jiluwi, representing HM King Sa'ud ibn Abd al-'Aziz and HH Amir Sa'ud ibn Jiluwi, cut a green ribbon formally opening the plant.

Owned by Shaikh Hamad ibn Ahmad al-Gosaibi and Sons, the plant is equipped with a steam generator, a big air compressor, and a 600-gallon water filtration and distilling unit.

Employing 50 workers, the plant will bottle 80 bottles a minute. All the electricity for the operation will be supplied by the plant's own power station, now under construction.

July 6, 1966

July safety drive begins

All of Aramco has gone into July, officially designated "Motor Vehicle Accident Prevention Month," mindful of the exhortations and practical advice on avoidance of collisions given at a luncheon on June 28 for about 500 company supervisors and guests.

Senior vice president Paul H. Arnot hit hard on the need of responsibility of



individual employees and their supervisors in matters of driving safety. He reminded the large gathering that all who drive company or personal cars should have a valid operator's license and see that both they and their vehicles are in good physical condition before taking off.

Chief safety engineer Charles Home-wood emphasized the importance of looking to the rear and all around before moving a vehicle forward, maintaining a "circle of safety" around the vehicles. He said nearly one-third of our collisions could be prevented by keeping a safe distance from other cars and trucks on the road.

the arabian sun



“The Island of Arabia”: The story of the past that has become a thriving present

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The winners of the team event (left) and the individual event, Marianne Skarpnord, pose with trophies after the first round of the Aramco Team Series golf tournament in St. Albans, U.K.



First of Aramco Team Series golf tournaments a success

The first of four Aramco Team Series 2021 events has concluded in London as a resounding success.

Norway's Marianne Skarpnord beat Atthaya Thitikul of Thailand in a play-off to win the individual Aramco Team Series (ATS) event near the British town of St. Albans, U.K. Skarpnord then finished runner-up in the teams' event, with Olivia Cowan's group, including teammates Sarina Schmidt and Diksha Dagar, winning the team event by three shots.

The ATS is the first team event series

on the Ladies European Tour (LET). After the most recent event in the U.K. on July 8, the ATS will move on to Spain in August, the U.S. in October, and concludes in Jiddah in November.

“The ATS provides a platform for some of the best female golfers in the world, but also offers a unique opportunity for amateur players to participate in an elite level sport,” said Aramco's Marketing, Sales and Supply Planning vice president, Ahmed A. Al-Subaey. “We couldn't be more excited to be a part of it. Aramco has a

rich, decades-long history with golf — starting in 1945 when we built our first golf course near our headquarters in Dhahran. Our backing for this tournament is an extension of our efforts to advance women at all levels. We hope it will encourage more women to take up the sport and inspire them to excel in whatever field they choose to pursue.”

Given the popularity of golf worldwide, the ATS can reach an enormous audience, elevating the discourse we have in our communities about the role

of women and opening up the sport of golf to more people. A trial of the ATS tournament in Saudi Arabia last November included the first and only female Arab professional golfer to play on the LET to date, Morocco's Maha Haddioui.

This gives ATS a powerful platform from which to promote excellence, female advancement, and golf. Images of female golfers at the peak of their game may inspire the next generation of female leaders in industry, science, and sports.



Gazelles grazing in Abqaiq

Saugata Nandy captured this photo in May while visiting the Abqaiq Nature Reserve. Nandy used his Canon EOS 70D camera, with the aperture set at f/8, and shutter speed at 1/125 sec. The lens he used was a Canon EF-S 18-135 mm, with the focal length set at 135 mm.

Nandy joined Aramco in 2015, and lives in Ras Tanura. He works in the Project Technical Services Unit of the Manufacturing Capital Efficiency Division — Global Manufacturing Group.