

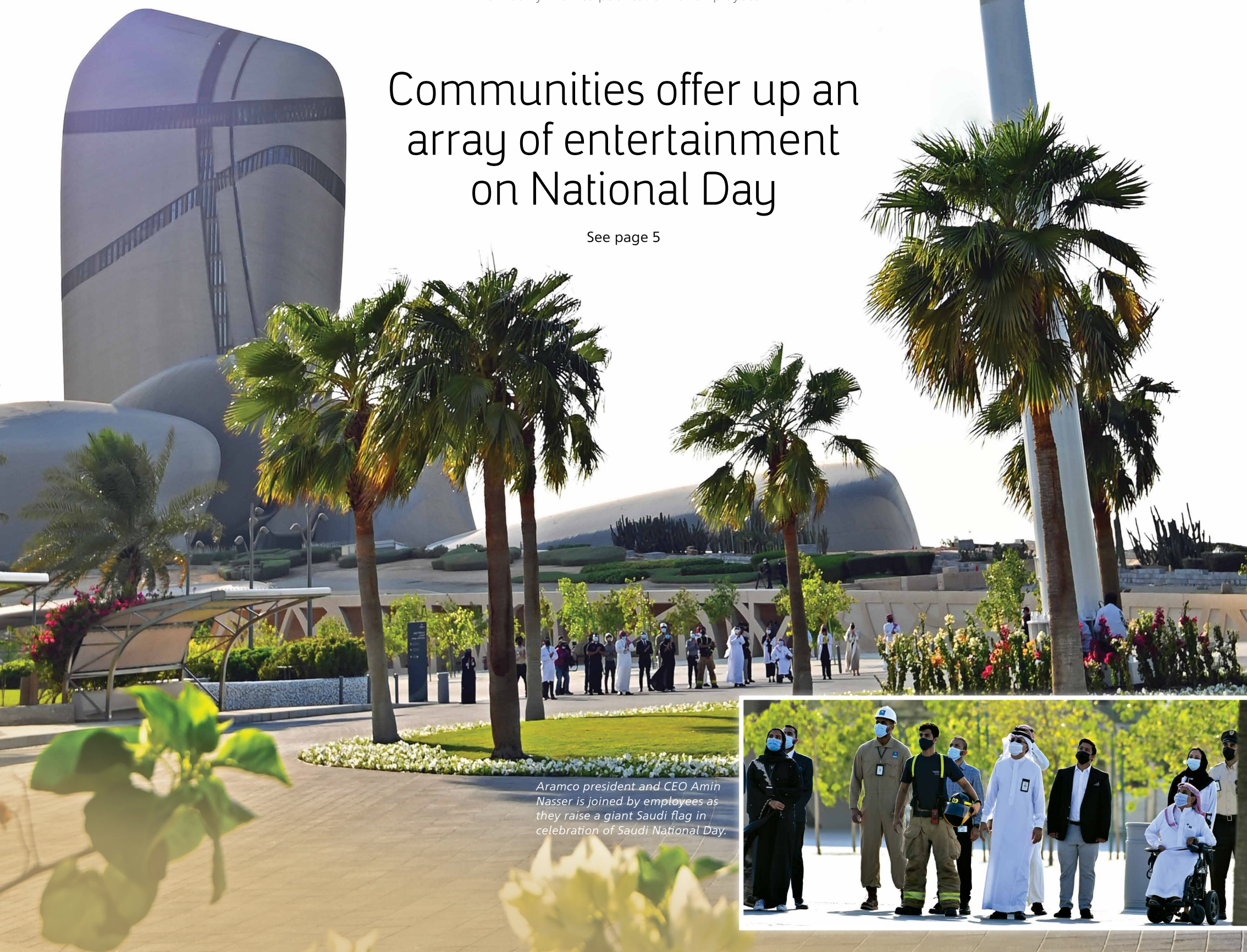


the arabian sun

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a weekly Aramco publication for employees

Communities offer up an array of entertainment on National Day

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Aramco president and CEO Amin Nasser is joined by employees as they raise a giant Saudi flag in celebration of Saudi National Day.



Celebrating 30 years of trade with China

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Aramco signs asset acquisition and project financing agreements for \$12 billion for joint venture in Jazan

Aramco, Air Products (NYSE: APD), ACWA Power and Air Products Qudra yesterday announced the signing and finalization of definitive agreements for the asset acquisition and project financing of the \$12 billion air separation unit (ASU)/gasification/power joint venture (JV) in Jazan Economic City.

Aramco via its subsidiary Saudi Aramco Power Company (SAPCO) has a 20 percent share in the JV; Air Products 46 percent; ACWA Power 25 percent; and Air Products Qudra 9 percent. Moreover, Air Products' total ownership position is 50.6 percent by owning an additional 4.6 percent through Air Products Qudra.

JV to serve refinery

The JV is purchasing the ASUs, gasification, syngas cleanup, utilities and power assets from Aramco. The JV owns and operates the facility under a 25-year contract for a fixed monthly fee. Aramco will supply feedstock to the JV, and the JV will produce power, steam, hydrogen and other utilities for Aramco.

The JV serves Aramco's Jazan Refinery, a megaproject to process 400,000 barrels per day of the crude oil to produce the main products such as ultra-light sulphur diesel, gasoline, and other products.

With the completion of these definitive agreements, all parties under the joint venture expect asset transfer and fund-

ing to occur during the month of October 2021. Air Products intends to conduct a public investor call at that time.

Self sufficiency in Jazan

Mohammed Al Qahtani, Senior Vice President of Downstream, Aramco said: "We are very pleased to reach this significant milestone. Aramco originally built the world's largest integrated gasification combined cycle (IGCC) complex to employ gasification technology for the first time in the Kingdom and to keep pace with the development of the Kingdom's Southern Province industrially and economically. This JV is meant to be central to the self-sufficiency of our megaprojects at Jazan.

"We believe the JV will enhance the overall value of the refinery and integrated gasification combined cycle power plant, and aid in transforming the province by positioning Jazan Economic City for additional foreign investment and private sector involvement. In fact, we are pleased to have the Saudi Industrial Development Fund (SIDF) and 23 local and international lenders engaged in this transaction securing a total of \$7.2Bn. We are optimistic that future investment offers the potential to be a game-changer in the years ahead."

Air Products Chairman, President and CEO, Seifi Ghasemi, said: "We are very

proud to announce the finalization of the definitive agreements for this complex transaction and now move forward.

"This is a perfect fit with our growth strategy. It is a value-creating investment for Air Products and leverages our core syngas purification and industrial gas production capabilities. Most importantly, it is a privilege to further strengthen our relationship with Aramco, the world's largest company, and to partner with ACWA Power and Qudra Energy in this megaproject, which supports the Kingdom's Vision 2030 and building partnerships for mutual growth."

Mohammad Abunayyan, Chairman of ACWA Power, said: "The successful financial agreement concluded today is the largest agreement of its kind in ACWA Power's history and highlights our continued firm commitment to the Kingdom's Vision 2030 and its strategic goals for the energy sector.

"A monumental shift is underway in Saudi Arabia's energy sector, and we are proud of our partnership and close col-

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This JV is meant to be central to the self-sufficiency of our megaprojects at Jazan.

— Mohammed Al Qahtani

laboration with Aramco and Air Products towards diversifying the energy mix and increasing the efficiency of the sector. Drawing on the pioneering expertise and capabilities of all joint venture partners, Jazan IGCC is set to be the largest integrated project for gasification and combined cycle energy production in the world."

He added, "Bringing the most advanced technologies to the Kingdom, the Jazan project will push the boundaries. We are also exceptionally proud to add to ACWA Power's track record in training and upskilling Saudi talent to meet the requirements of the sector."



Aramco's Abqaiq facility added to prestigious WEF Global Lighthouse Network

The World Economic Forum has recognized a third Aramco facility, Abqaiq, for its pioneering adoption and integration of cutting-edge technologies of the Fourth Industrial Revolution (4IR). The Abqaiq oil processing facility, the largest oil processing plant in the world, joins Aramco's Uthmaniyah Gas Plant and Khurais oil complex in the Forum's prestigious Global Lighthouse Network. Global Lighthouse status is awarded to projects that demonstrate leadership in 4IR technologies to transform factories, value chains and business models.

Abqaiq is one of 21 new facilities added to the network, taking the total number to 90 worldwide, and Aramco is the only international energy company to be recognized.

Aramco's Digital Transformation vice president, Nabil Al-Nuaim, said: "We are delighted to be recognized once again

for our adoption and deployment of cutting-edge technologies. That three of our key facilities have been added to the Global Lighthouse Network in less than three years is a testament to the importance we place on our Digital Transformation Program – and the rapid pace at which it is advancing. Through pioneering the large-scale use of 4IR solutions, such as Artificial Intelligence, Industrial Internet of Things (IIoT), automation and robotics, we are setting new benchmarks for global industry. In the process, we are achieving significant improvements in cost, efficiency, product quality, energy consumption and environmental performance."

Abqaiq is a cornerstone of Aramco's operations and produces Arab Light Crude Oil, Arab Extra Light Crude Oil, Gas Condensate and Natural Gas Liquids (NGL). The facility provides around 5% of global oil supplies.



Celebrating 30 years of Aramco trade with China

Safely supplying reliable energy

By Janet Pinheiro and Hanoof Y. Alseleem

Saudi Arabia and China are nations of international trade.

Along famed ancient trade routes, traversing both countries' wide mountain, desert and sea horizons, goods and ideas have been exchanged for centuries.

Today, China is one of the world's fastest growing economies, while the Kingdom is the leading producer and exporter of some of the world's finest crude oil — a clearly mutually-beneficial trade connection.

China is Aramco's biggest customer, and we are China's largest supplier of oil, delivering almost 17% of its oil imports in the first half of 2021.

Yet, our relationship goes much deeper than that of a buyer and seller.

30 years of Arabian oil sales

The Chinese economic dragon rose up from its slumber in the late 1970s, and Aramco's first shipment of Arabian oil sailed from Ras Tanura to China in October 1991.

Since then, Aramco has steadily increased the supplied volume of not only crude oil but also LPG and other products, and our Chinese customers now include all major refiners and petrochemical players, both state-owned and private.

Three decades later, China's remarkable global commercial growth has transformed the lives of its people, and Aramco's safe supply of reliable energy has been an important contributor to this inspiring achievement.

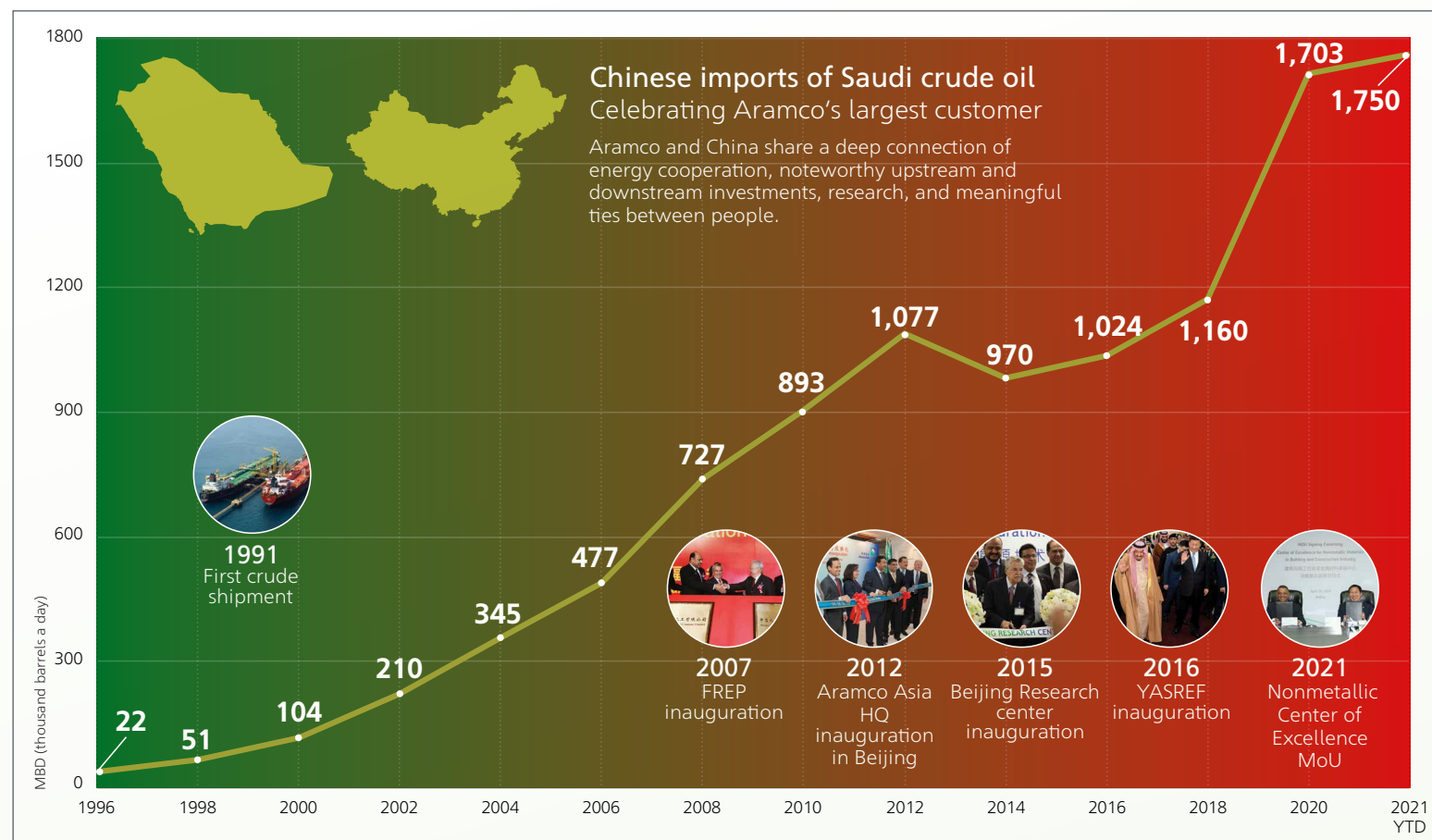
China was the only major country to record economic growth in 2020, and during the COVID-19 pandemic, Aramco continued to meet China's energy needs without delay or interruption.

Aramco shares with China an ingrained connection of energy cooperation, noteworthy downstream investments, research, and meaningful ties between people.

First foreign participation

China fast became one of Aramco's most important markets in both refining and petrochemicals. Significant manufacturing and marketing arms were created in China when a company subsidiary signed two joint ventures in 2007.

The equity venture with Fujian Refining and Petrochemical was China's first fully integrated refining and petrochemicals venture with foreign participation, and tripled the refining capacity of an existing refinery from 80,000 bpd to 240,000 bpd, as well as adding petrochemical production



units, and a crude oil terminal.

An agreement with Sinopec SenMei (Fujian) Petroleum saw wholesale and retail fuels marketed to customers in Fujian Province and distributed from about 1,000 retail sites in nine cities via a network of 17 terminals across the province. Another joint venture with Sinopec led to the Yanbu Aramco Sinopec Refining Co, located in Yanbu, Saudi Arabia, which produces premium transport fuels, and high-value refined products.

Chinese investment in Saudi

The two countries' signature development programs — China's Belt and Road Initiative and Saudi Vision 2030 — have seen Sino-Saudi relations grow Chinese investment and contracting in Saudi Arabia.

China, an important market for the supply of materials and services, is also a partner toward Aramco's In-Kingdom Total Value Add (IKTVA) program to localize 70% of expenditure, facilitate exports and job creation.

In China, Aramco has worked with many Chinese semi-government organizations promoting business abroad like China Overseas Development Association (CODA), Tianjin Economic-Technological Development (TEDA) Investment Holding and the China Chamber of International Commerce to promote iktva investment opportunities and attract Chinese investors.

Climate change

While modern humanity will continue to need oil for the foreseeable future, balancing economic goals with environmental restoration and protection is a priority the world shares more than ever before. Both



China is Aramco's biggest customer, and we are China's largest supplier of oil, delivering almost 17% of its oil imports in the first half of 2021.

China, one of the largest oil consumers, and Aramco, one of the largest oil producers, both play a key role toward creating the conditions for sustainable economies with the least environmental impact.

Not all oils are equal, and when Chinese customers choose Arabian oils, they are making a wiser environmental choice.

Arabian oils have desirable high gravity scales, one of the lowest upstream carbon intensities in the industry, and are highly compatible with most refineries globally.

Lower carbon solutions

To advance sustainable transport, Aramco's Beijing research center has partnerships with Chinese universities and automotive manufacturers to advance sustainable transport, and the company is keen to share with China its recent developments in cleaner fuels, which meet Euro 5 spec.

With SABIC now part of Aramco's global enterprise, there is scale, strat-

egy, and an expanding mix of new and existing products to deliver the practical solutions China needs for a carbon conscious world, such as the company's direct crude-to-chemicals conversion technology.

The cutting-edge technology, currently being piloted in Beijing, eliminates or streamlines several intermediate steps, resulting in chemicals with a lower environmental footprint.

Aramco has also signed an MoU with a Chinese partner to establish in Beijing a center of excellence for non-metallic and advanced composite materials, which have advanced qualities over traditional construction materials, such as steel.

People connections

Common understanding of culture is key to successful business partnerships.

Aramco sponsored its first batch of university students to study in China in 1998, and today the company has more than 80 Saudis who are Chinese university graduates and fluent in Mandarin, some of whom currently work in various roles in China, while at its Asia's headquarters in Beijing, 90% of employees are Chinese.

Among Aramco Asia's citizenship programs are providing better educational and health opportunities for underprivileged children living in remote areas, environmental protection and disaster relief.

As Aramco and China continue to grow together, both recognize the urgency to balance economic, social and environmental goals.

Sustainability is at the heart of the new trade route travelled by Aramco and its Chinese partners.

YLAB holds 2nd Hackathon on Sustainability

By Scott Baldauf

Hundreds of Aramco's brightest young minds have come together to tackle challenges related to sustainability. The YLAB Sustainability Hackathon, was initiated on August 15, and concluded on September 14 at the Plaza Center. The hackathon tapped into the energy and innovation of participants coming from various organizations across the company.

More than 460 participants registered for the Hackathon, the second in YLAB's history that is dedicated to the challenge of sustainability. The participants formed 120 teams and submitted solutions that promote a Circular Carbon Economy (CCE) through our operations, and help the company make a difference through advocacy on sustainability. Ten teams qualified to the final stage of the hackathon, and pitched their ideas to a panel of esteemed judges. One team was crowned as a winner for each track, and the winners' solutions, among other

ideas from the hackathon, will be incubated at LAB7, the company's incubator for developing ideas into commercialized products that support the company's strategic objectives.

A bridge for the youth

As the company's primary bridge between the company and its youth – who make up more than 60% of the workforce – YLAB is the natural host for the Sustainability Hackathon, said Ziad T. Al Murshed, acting senior vice president of Finance, Strategy, and Development.

"Sustainability is the grand challenge for this century, and we need equally grand minds to tackle it," Al Murshed told Hackathon finalists. "Your innovative ideas and engagement generate a lot of push that is much needed to shape our future, not just as a company, not just as a country, but as a planet."

To help the teams prepare for the hackathon, YLAB organized a webinar



Ziad T. Al Murshed (center) poses with the winning team for the Advocacy Challenge, from left, Mohanad M. Fahmi, Klemens Katterbauer, Hind S. Dossary, and Abdulaziz S. Alkhateeb. (Photo: Abdulaziz Al Moaiweed/MPD)

series on Corporate Strategy, Climate Change, Circular Economy, and Corporate Reputation, all in an effort to build the youth's acumen for their proposed solutions.

Winners shine

For the Circular Carbon Economy challenge, Team Emerald (comprising petroleum engineers Hiba K. Alnassar, Osama M. Kheshaifaty, Al-Batool M. Hejaj, and petroleum scientist Hala A. Sadeg) won the top prize for their proposal to use molten carbonate fuel cells to generate power from the captured CO2 emissions from power plants.

For the Advocacy Challenge, Team Al (comprising petroleum engineers Mohanad M. Fahmi, Abdulaziz S. Alkhateeb, Hind S. Dossary, and Klemens Katterbauer) won for their proposal to utilize movies, images, video games and augmented reality, to change the world's perception of the oil and gas

industry and to showcase the sustainability efforts of the energy industry in a new light.

Judges for the CCE Challenge were Mohammed A. Abusharifah of LAB7 and Shadi I. Adel of Engineering Services and Humoud W. Utaibi of Environmental Protection. Judges for the Advocacy Challenge were Mohammed Y. Masrahi and Sarah N. Baashan of Strategy and Market Analysis, and Michelle L. D'Antoni and Israa A. Garatli of Public Affairs.

At the conclusion of the Hackathon, participants were invited to YLAB's Anniversary week activities, where they, along with other members of the youth, had the chance to interact with senior executives, including president and CEO Amin Nasser, Technical Services senior vice president Ahmad A. Al-Sa'adi, Upstream senior vice president Nasir K. Al Naimi, CFO Ziad T. Al Murshed, and Marketing, Sales, and Supply Planning vice president Ahmed A. Al Subaey.



The winning team for the Circular Carbon Economy challenge pose with Ziad T. Al Murshed (center). From left, Osama M. Kheshaifaty, Hiba K. Alnassar, Hala A. Sadeg, and Al-Batool M. Hejaj. (Photo: Mohammed Alshaikh/MPD)

Another step on the road to clean fuels Company promotes hydrogen fuel applications

In accordance with Aramco's strategic direction to promote hydrogen fuel applications, the Transportation & Equipment Services (T&ESD) Department has introduced the first hydrogen-powered forklift. The new forklift loaded a shipment into a hydrogen truck, as a precursor to the possibilities for clean transportation in the future.

The achievement comes after months of close collaboration between T&ESD and Technology Oversight & Coordination (TOC), with the assistance of the Research and Development Center Department (R&DC), as well as major local equipment and vehicle suppliers Abdulatif Jamil/Toyota and AlMajdouie Logistics Company/Hyundai. Both the forklift and the truck are now under evaluation to examine its potential applications and ensure that the current design is well-suited for weather conditions.

Hydrogen Power

The latest hydrogen equipment is powered by a fuel cell system which produces electric energy from electrochemical reaction of hydrogen and oxygen. The hydrogen fuel cell actually combines hydrogen with oxygen to generate electricity and emit only water vapor. There are no greenhouse or carbon emissions — this makes the technology more environmentally friendly.

Forklift ideal for storehouses

The small size hydrogen-powered forklift can lift up to 2000 kilograms. Its compact size makes it ideal for enclosed storehouses where diesel-powered forklifts cannot operate because of emission restrictions. The forklift collects water vapor emitted into a special container than can be drained like ordinary water. In addition, the forklift is equipped with advanced control systems and internal sensors to effectively manage the operation of the equipment.

Promising future

After the successful introduction of the first KSA hydrogen-fueled buses and vehicles, T&ESD has collaborated with AlMajdouie Logistics Company to introduce the first cargo shipment truck in the Middle East that is completely powered by hydrogen fuel. These clean energy vehicles may have promising future within the transportation industry. This truck design model, known as "XCIENT", can load just under 10,000 kg of cargo shipments and deliver them at a maximum road speed of 85 km/h. Engineers from T&ESD and TOC decided to put the hydrogen-powered equipment to the test. To control and monitor the test, the team coordinated an actual industrial shipment in Dhahran. On August 26th 2021, first insuring that all loads and di-



For the first time in KSA, a shipment is loaded onto a hydrogen truck with a hydrogen-powered forklift. (Photo: Ahmad El Itani/MPD)

Demonstrating hydrogen-powered equipment and trucks promotes this initiative, which encourages innovative, oil-based solutions in the transportation & equipment sector. The collaboration between TOC and T&ESD is highly commendable.

— Mohammad Al-Hatlani

mensions were within the capabilities of both the hydrogen-powered forklift and truck, the team loaded an electrical generator from Old Abqaiq Road for repair and transported it to the Mechanical Services Shops Department.

"Demonstrating hydrogen-powered

equipment and trucks promotes this initiative, which encourages innovative, oil-based solutions in the transportation & equipment sector. The collaboration between TOC and T&ESD is highly commendable", Mohammad Al-Hatlani Industrial Services executive director said.

Aramco communities and Ithra celebrate Saudi National Day 91



At Ithra and other Saudi Aramco communities visitors enjoyed a variety of activities for families.



Above, visitors at Ithra listen to traditional music. Right, the Coffee Tales exhibition shed light on the practice of farming coffee, particularly in the Jazan region. While below, a visitor enjoys a display on clothing from across the Kingdom.



Families and children took advantage of the cool weather to enjoy outdoor activities.



Four decades later, the Gilani Family Says Goodbye to Abqaiq

By Dalia Darweesh

Abqaiq — Senior petroleum engineering consultant with Southern Area Production Engineering Department, Syed-Khalid M. Gilani retires at the end of this month, after serving the company for over four decades.

"I am very happy to have accomplished a very gratifying, and a professionally exciting career," he said. "I really feel honored and humbled to have served the Kingdom of Saudi Arabia and Saudi Aramco for so long, while playing a small role in the development of young colleagues."

A journey in time

Abqaiq has been home for Syed since 1980, when he joined the company as a fresh petroleum engineer from Lahore, Pakistan.

Syed started working at the Southern Area Petroleum Engineering Department (SAPED) - which later became Southern Area Production Engineering Department - yet he never thought that he would spend his entire career there. He served SAPED in different capacities and retires as a Senior Petroleum Engineering Consultant, a position that he has held for many years.

What Syed values the most are the life-long friendships he has developed over the years with many people in the community. "Saudi Aramco's strength



lies in its diversity, and I'm glad to have worked with so many people from different nationalities during my career."

Amongst his many humble contributions, and a major step towards knowledge transfer was writing a book called "Well Integrity Management – A Journey Towards Excellence". This book serves as a good reference on the evolution of well integrity practices in the Southern Area.

"I hope I am remembered for spearheading the "Well Integrity Risk Ranking" application which became my signature, and a game changer in well integrity monitoring in the company."

Family and community

On a personal note, Syed was joined by his wife Sabrina, after they got married in 1985. Together, they had three children who graduated from Abqaiq School – all born and raised in Saudi Aramco. The older son, Sohaib is a pulmonologist and critical care physician in Michigan. Samid, the younger son is an investment analyst in Maryland. Their youngest, sweet little daughter – Soha – left this world for her heavenly abode in 2010.

Both Sabrina and Syed have contributed in activities with the Saudi Aramco Employees Association. They will

always remember coordinating five annual community walks with the slogan of "Walk for Soha." These walks which were treasured by the community – especially to young children – were held in their daughter's memory, to increase awareness on lupus in young females. The Gilani family remains indebted to all those who have shared their grief, and assisted with arranging those memorable events.

The couple plans to retire to the United States as they look forward to spending time with their children; and they also intend to visit family and friends back home in Lahore.

With the current pandemic, it may not be possible for the Gilani's to say their goodbyes in person.

Therefore, Syed and Sabrina would like to extend their best wishes to all their friends, and to the Saudi Aramco family with whom they have interacted with throughout the years.

"We will greatly miss our friends, the gatherings, and this beautiful friendly city which has been home to my family for so long," said Sabrina.

Stay in touch with the Gilani's through: gilanism@hotmail.com.



In previous years, pre-covid, members of the Abqaiq community took part in the annual "Walk for Soha" in memory of Syed's daughter Soha who passed away in 2010.

Your voice

The customer is always right!



By Anmar F. Qutub
Dhahran
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From a process management perspective, the customer is defined as "an individual or a group who is affected by the process or product." In fact, this affect is genuinely bidirectional since the customer affected by a process will in turn decide whether the process, or its final product, is a success or failure!

Possessing this originally embedded power of being a major player influencing the success of the process, we have to admit that Mr. Customer must be valued and should receive a great deal of respect on which his needs, wants, and expectations are eagerly sought after and properly analyzed.

The earlier the Voice of the Customer (VOC) is listened to, analyzed, and factored in the process, the better aligned and more effective the process becomes. Nevertheless, making the VOC an integral part of the process development stage helps avoiding the dilemma of blindly developing a process and anxiously waiting for the verdict of Mr. Customer after launching the process/product on which altering an established process would be more complicated and costly as well.

The journey of meeting, or rather

er exceeding the expectations of Mr. Customer is usually long and requires several steps to reach the desired destination. It starts with identifying all possible customers affected by the process and defining their relevant level of engagement being primary, secondary, direct, or indirect customers.

Based on the customer level of engagement, capturing the VOC needs to be carefully handled by selecting a suitable approach for each customer category. This can be achieved using a wide range of tools developed to capture the VOC. It is worth noting that the VOC collection process should not neglect any piece of this precious input, even if at first it sounds irrelevant or impossible to fulfill.

Once the information is collected and properly filtered, the VOC is then comprehensively analyzed to translate the customer expectations into operational requirements supporting the process/product development. Tools such as the Quality Function Deployment (QFD) can be useful to achieve this vital conversion.

Think of the amount of surveys, ballots, and applications requesting

for information that we receive daily through different communication channels; social media, direct phone calls, text messages, and others. Despite the fact that their approach in seeking information is sometimes considered overwhelming and might upset Mr. Customer, people behind this know exactly how the VOC is essential for their businesses' success and continuity as the more the organization believes in the customer focused approach, its eagerness to collect more information from its customer increases.

Adopting the customer focused approach by taking care of Mr. Customer's needs, wants, and expectations, provides organizations with a competitive advantage allowing them to survive in the current rapidly evolving competition. On the other side of the spectrum, using a wrong strategy to approach Mr. Customer for information would yield in negative results. Therefore, the overall process of capturing and analyzing the VOC must be well designed to successfully achieve its ultimate purpose.

"Your most unhappy customers are your greatest source of learning." — Bill Gates

We Don't Mess Around!

igniting social responsibility for a cleaner environment

By Dalia Darweesh

Dhahran — Saudi Aramco's Corporate Citizenship Division in conjunction with Community Services has conducted a two-day community cleanup campaign at the Dhahran community. Taking place on the 25th and 26th of September, the campaign succeeded in engaging Aramco employees and their dependents by volunteering on the National Day weekend at the Dhahran Kings park and the Duck Pond.

Saudi Aramco has always been a leader in conducting environmental awareness initiatives within the company, and the community at large. The cleanup event aimed to promote environmentally friendly attitudes, instill a culture of social responsibility, and deepen employee engagement at the community. It included an awareness session that explained and discussed the importance of proper management of residential waste by implementing the 3 R's principle of reduce, reuse, and recycle – the session also explained how waste is decomposed.

Encouraging sustainably

The team distributed masks, gloves, and worked in a COVID cautious environment with all volunteers throughout the 2-day event. Promoting and encouraging a culture of social responsibility – the event ignited a vol-



(Photos: Ahmad El Itani/MPD)

unteering spirit, which provided an opportunity for Aramco employees to feel rewarded by giving back to the community.

Over 1,200 employee volunteering requests for the 2-day event were submitted, only within 24 hours of

opening the registration. However, due to COVID-19 restrictions, a limited number of participants were confirmed. The campaign received a total of 166 volunteers including both employees and their dependents, with 664 volunteering hours – collecting 95 kilograms of waste.

With their continuous efforts towards the community, Corporate Citizenship will ensure to keep on implementing rewarding experiences that help maintain the environment, and inspire more employees to contribute in making the environment we live in, a better place.

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

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

Information about the second dose

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

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

I want to know more

You can learn more about the COVID-19 vaccination and second dose appointments at: JHAH.com/CV19-Vax.



#TakeTheStep

خذ الخطوة

Get Vaccinated

خذ اللقاح

وزارة الصحة
Ministry of Health

مركز لقاحات كورونا
كوفيد-19
Vaccine Center
COVID-19

مركز جونز هوبكنز
أرامكو الطبي
Johns Hopkins
Aramco Healthcare



Another step on the road to clean fuels ... Company promotes hydrogen fuel applications

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Child car seats: what you need to know

As a parent, one of the most important jobs you have is to keep your child safe when riding in a vehicle. The proper use of car safety seats helps to keep our loved ones safe during a short and/or long road trips.

According to the latest studies of the World Health Organization, in the event of a collision, the use of child seats and seat belts reduce the concussions of infants by 700%, and the death of children by 54%.

As per Saudi Traffic Police Law Article 57, one of the traffic regulations stipulates that seat belts and child seats must be used while driving on the roads in-Kingdom. Additionally, placing a child that is under the age of 10 in the front seat is a traffic violation.



Type of Child Restraint	Weight and Height Range	Approximate Age Range
Rear-facing seat	Weighing up to 9 kg, height up to 100 cm	Birth to 12 months
Convertible /forward-facing car seat	Weighing from 9-18 kg, height between 100-135 cm	Older than 12
Booster seat	Weighing more than 18 kg, 125 cm or taller	Older than 4 years
Adult seat belt	Weighing 36 kg and above, 137 cm or taller	8 to 12 years

Use the proper child restraints

Choosing the proper type of child restraint depends on many factors, such as age, height, and weight of the child. It is important to ensure that your child restraint is suitable for his/her weight and

size, and that it is correctly fitted and installed according to the manufacturer's instructions.

There are many types of child restraints. The table is a quick guide on where to start.

Minimum requirements

- The child car seat must:
- Be appropriate for your child's size and age
 - Be correctly installed in your car (follow manufacturer's instructions)
 - Be properly fastened and adjusted

to fit your child.

Test your knowledge about child restraints by taking the Traffic Safety Monthly quiz offered by the Traffic Safety Signature Program Division (TSSPD).



A December sunset in al-Khobar

Abdullah M. Battah captured this photo in December of last year. One evening while driving to his home in al-Khobar, Battah saw the sun setting and pulled over to capture this image. Battah has been with Aramco for seven years. He is a process control system technician working in the Maintenance Engineering and Support Unit of the Northern Area Gas Producing Department.