Even with global energy demands increasing every day, our advanced reservoir management practices and technologies are designed to continue to meet the world's energy needs for decades.

**Saudi Aramco announces plans for Jazan Power JV committed to forging a new future at Future Investment Initiative**

**Aramco’s very first branding campaign**

‘Real Impact’ across the Kingdom and around the globe

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**seismic imaging: revealing the Kingdom’s hidden treasures**

For a modern-day explorer, to drill without seismic data would be unimaginable. Today, with some of the world’s most sophisticated technological tools and knowledge, Saudi Aramco delivers knowledge of the subsurface that Max Steineke could only dream of.

see pages 7-9

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**OPEC basket five-week price trend 2019**

<table>
<thead>
<tr>
<th>Date</th>
<th>Price</th>
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**Saudi Aramco by the numbers**

more than 4,000 out of home placements (for example, roadside, and airport billboards) of Saudi Aramco’s first ever brand campaign are planned to raise awareness of our business, as well as 100 newspaper advertisements and across 10 digital media networks.

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**see page 2**
Saudi Aramco announces plans for Jazan Power JV committed to forging a new future at Future Investment Initiative

The agreements signed today support the Kingdom’s plans to develop industrial zones, create jobs, and attract foreign direct investment, as well as drive economic diversification.

— Ahmad A. Al Sa’adi

Riyadh — Saudi Aramco on Tuesday announced its intention to establish the Jazan Power Joint Venture (JV). The JV will be 46% owned by Air Products, 25% by ACWA Power, 20% by Saudi Aramco, and 9% by Air Products Qudra.

The proposed JV with Air Products and ACWA Power will own and operate the Jazan Integrated Gasification Combined Cycle and Power Plant, and the Jazan Air Separation Unit, valued at approximately $11.5 billion. The JV will be 46% owned by Air Products, 25% by ACWA Power, 20% by Saudi Aramco, and 9% by Air Products Qudra.

With the deployment of the highlight technology across the Kingdom’s energy facilities in the Kingdom, create jobs, and attract foreign direct investment, as well as drive economic diversification.

Ahmad A. Al Sa’adi celebrates the signing of a Memorandum of Understanding for the creation of the Jazan Power Joint Venture (JV). The proposed JV with Air Products and ACWA Power will own and operate the Jazan Integrated Gasification Combined Cycle and Power Plant, and the Jazan Air Separation Unit, valued at approximately $11.5 billion.

In addition, Saudi Aramco signed seven Memorandums of Understanding (MoUs) at the Future Investment Initiative (FII) in Riyadh.

promoting investment opportunities through technology

Ahmad A. Al Sa’adi, Saudi Aramco’s senior vice president of Technical Services, attended FII, as did Nabil A. Al Nuaim, Saudi Aramco’s chief digital office, who headlined a panel discussion on how business can best leverage data to anticipate risks, improve performance, and optimize operations.

“Saudi Aramco looks to promote business investment opportunities through technology across the Kingdom’s energy services sector ecosystem,” said Al Sa’adi. “The agreements signed today support the Kingdom’s plans to develop industrial zones, create jobs, and attract foreign direct investment, as well as drive economic diversification.”

The MoUs and commercial collaborations signed include:

- Air Products Qudra: Nonbinding MoU to discuss the establishment of an Industrial Gases Joint Venture.
- Aker ASA: MoU to collaborate on the Fourth Industrial Revolution (IR 4.0) addressing sustainability and green environment.
- Dassault Systems: MoU to collaborate on artificial intelligence and digital transformation.
- BMT Co. Ltd.: Collaboration MoU for investments in fittings and valve manufacturing facilities in the Kingdom.
- Tubacex Group: Collaboration MoU for investments in pipe weld overlay and cladding services manufacturing facilities in the Kingdom.
- Pultron Composites: Collaboration MoU between Saudi Aramco and Pultron, with Pultron planning to invest in nonmetallic glass fiber reinforced pipes manufacturing facilities in the Kingdom.

The agreements signed today support the Kingdom’s plans to develop industrial zones, create jobs, and attract foreign direct investment, as well as drive economic diversification.

The MoUs represent new collaborations with companies from six countries, including France, Norway, New Zealand, South Korea, Spain, and the United States. The MoUs are intended to support Saudi Aramco’s operations and Saudi Arabia’s economic diversification strategy by increasing the efficiency of technology used in Upstream, Downstream, and Engineering Services. In the long-term, these agreements look to help improve sustainability and technological efficiency throughout the value chain.

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Ju’aymah NGL Fractionation environmentally friendly, less costly solution earns Green World gold

by Ahmed Rumaih

Ju’aymah — Saudi Aramco’s Ju’aymah NGL Fractionation was recently presented with the international “Green World Award 2019 — Gold Winner” in the Environmental Best Practices category.

更好的环境, 更少的花费

JNGLFD manager), Meshal G. Otaibi, Hussain S. Tanku, and Pukhraj Garg.

The recognition comes as a direct result of the organization’s efforts implementing several best practices to minimize the generation of spent caustic waste, as well as its piloting of a new type of MEROX catalyst that has proven to be less expensive while providing even higher efficiency. These process improvements have resulted in a 25% reduction in spent material and significant annual savings in operating costs.

Spent caustic is an industrial waste generated in significant quantities from MEROX Process Treatment Systems that helps remove sulfur from NGL products. With the deployment of the highlight initiatives, Ju’aymah NGLF enabled all Saudi Aramco refineries and NGL Fractionation facilities the opportunity to enhance the efficiency of their process operations with lower operating costs by using a new catalyst that was approved by Central Engineering in the Process and Control Systems Department.

by Ahmed Rumaih

Ju’aymah — Saudi Aramco’s Ju’aymah NGL Fractionation was recently presented with the international “Green World Award 2019 — Gold Winner” in the Environmental Best Practices category. From left are Abdallah J. Harabah, Jaber A. Makrami, Abdullah R. Hajri (Maintenance Division head), Ahmed S. Ghazal (Engineering Division head), Mohammad S. Shahrani (Operations Division head), Ibrahim A. Baheli (JNGLFD manager), Meshal G. Otaibi, Hussain S. Tanku, and Pukhraj Garg.

The agreement recognizes best of the best

The award, which was presented at a Sept. 30 ceremony hosted by the Green World Organization, was received in the presence of HE Saud F. Al Suwaidem, Saudi Arabia’s ambassador to Vietnam. The Green World Organization, based in the United Kingdom, is an international nonprofit environmental group, dedicated to recognizing, and promoting environmental best practices around the world.

The International Green Apple Environment Awards were launched in 1994 and have become one of the world’s most prestigious recognition campaigns. The Green World awards are chosen among the top tier of the Green Apple awards, reflecting efforts by companies and organizations’ remarkable work in the field of environmental protection. The awards were launched with a goal of improving environmental performance, encouraging the efficient use of resources, and supporting the wider goal of sustainable development.
‘Real Impact’
across the Kingdom and around the globe — Aramco’s first branding campaign

by Michael Ives

Dhahran — Towering across freeways, greeting you at arrival and departure halls of airports, throughout the Kingdom’s newspapers and across multiple digital channels, as befits one of the world’s most prominent companies, Aramco’s first ever brand awareness campaign is being delivered at scale.

The campaign’s overarching message — “This is Real Energy. This is Aramco.”

“We took multiple campaign concepts into testing among energy and financial influencers in key global markets,” says Nabeel A. Al-Jama’, vice president of Corporate Affairs. “The respondents identified the “Real Energy” theme as the voice of a true industry leader. We believe it substantially differentiates us from other international oil companies. It reflects the reality that Aramco exists in a category all its own — a category of one. Using a combination of pragmatic and inspirational language, the message is that we are delivering real energy solutions today, and will continue to do so in the future.”

Real Energy, Real Innovation, Real Sustainability, Real Progress

Surrounded by campaign imagery in his North Admin office in Saudi Aramco’s Dhahran headquarters, Kirk Collingwood, acting administrator of Marketing Communications, says: “We want our audience to know about Saudi Aramco and our culture of reliable, practical, technology focused operations that deliver energy solutions at scale, to meet the world’s growing demand. We are confidently introducing ourselves first here in the Kingdom, and next year in key markets around the world — as a market leader; we are proud of who we are. This includes core messages such as “Real Energy comes from Real Scale” and “Real Energy Fuels Real Innovation.” The campaign will feature the breadth of our business from how we deliver “Real Sustainability” through zero flaring and full contact drilling, to “Real Progress,” highlighting our commitment to diversity.”

Marketing Communications worked with global advertising company McCann Worldgroup to create a fresh, contemporary feel to the campaign to position Aramco as a modern leader. Using a combination of an abstract background, which implies possibilities, with a photographic “window” that clearly shows Aramco’s positive activities and impacts in the real world, the implied message is that our company creates real solutions from many possibilities.

first the Kingdom, then the world

Launched in October in Saudi Arabia, the plan is to officially launch the global campaign in 2020. Then, energy influencers travelling through major global airports, such as those in London and Beijing, will be greeted by the Real Energy campaign, tailored to its location to ensure local relevance.

In addition, brand awareness campaigns will be launched across multiple thought leader publications along with carefully targeted digital campaigns — from homepage takeovers to mastheads and moving picture units, the campaign will use the widest possible range of digital advertising techniques.

The campaign is seeking to significantly raise awareness of our business, among a target audience, to industry levels within three years. In the Kingdom, to achieve this goal, the advertising placement statistics are impressive — more than 4,000 out of home placements (e.g., roadside and airport billboards); 100 newspaper advertisements; and across 10 digital media networks. Globally, the campaign will take us into central business districts, travel hubs, and onto the computer screens of more than 12 million readers.

Targeted energy and financial hubs
Leadership Excellence for Women Awards and Symposium

Saudi Aramco awards show strength in promoting diversity, women’s empowerment

by Maytham Al-Musawi

Manama, Bahrain — In conjunction with the Middle East Process Engineering Conference and Exhibition (MEPEC), the three-day Leadership Excellence for Women Awards and Symposium (LEWAS) was held recently in Bahrain under the patronage of HH Sheikh Mohammed ibn Khalifa Al Khalifa, the Bahraini Oil Minister.

Speaking at the event’s awards ceremony, HH Sheikh Mohammed said LEWAS has established itself as a regional platform to recognize the achievements of women in the oil and gas industry, adding that the future holds more prominent roles for women in this changing industry.

Reem A. Al-Ghanim, chairwoman of LEWAS, works with Chemicals HR and Support Services Division.

“LEWAS is a unique platform that focuses on celebrating the achievements of women in the energy industry, the organization that support gender diversity, and inclusive leadership practices. The symposium has been, and continues to be, a dynamic force in elevating and empowering women and engaging with leaders across the energy industry.”

The event included a forum, keynote speeches, interviews, and panel discussions addressing various topics such as gender diversity, women and innovation, and women’s future in the energy industry. The forum also included success stories of prominent women in this industry.

recognition of women’s excellence

This year, LEWAS recognized women’s excellence in the oil and gas industry in four different categories — Rising Star, Academic of Distinction, Leading with Excellence for Women and Energy, and Woman of Achievement. LEWAS also recognized, with two separate awards, men for their outstanding efforts in advocating for women, and companies that excel in women empowerment and development.

Corporate Excellence Recognition

Saudi Aramco’s Project Management won the LEWAS’s Corporate Excellence Recognition Award for its efforts in women empowerment — a theme that mirrors the broader picture of Saudi Aramco’s strategy in this context. The company’s efforts included increasing the number of female employees to improve gender diversity and qualifying women for professional and industrial jobs.

In addition, Saudi Aramco’s Project Management has added value to female employees by involving them in the company’s development programs that are based on the concept of diversity and inclusiveness in the work environment, and encouraging them to obtain professional certifications and support that contribute to progress and practical success.

Meanwhile, the organization’s Women in Project Management initiative relies on transparent discussion with its female employees to find ideas and solutions that help empower women.

The Rising Star

Aram Y. Aliyahya won the LEWAS Rising Star, an award given to young professional women with a promising career in the energy industry.

Aliyahya’s duties include the employment of advanced analytics technologies in maintenance and reliability to enable performance development. She seeks to earn a master’s degree in reliability engineering and asset management. In addition, Aliyahya participates in the STEMania program, which motivates female students to pursue scientific, technical, engineering, and mathematics majors.

“I would like to thank my parents, especially my father, without whom I would not have been here. He told me that he was confident that I will win the award. I also thank the department that supported me in this achievement.”

Leading with Excellence

Tasneem T. Al-Sharif won the LEWAS Leading with Excellence Award for her career that clearly demonstrates her leadership skills.

Al-Sharif works in Gas Reservoir Management, where she leads the Haradh Gas Reservoir Management Unit. Her duties include collaborating with drilling experts, geologists, and production engineers in field development at the lowest cost, working to employ the best technologies to achieve the goals set. During the forum, Al-Sharif participated in a panel discussion featuring some LEWAS award winners, sharing their experiences with participants.

“The department encouraged me to apply for the award, and when I heard my name during the awards announcement, I was happy and proud of this achievement, which would not have been possible without my family and friends. My message to young female engineers is to take advantage of opportunities that present themselves.”

Company news

October 30, 2019 | the arabian sun
Al Sa’adi: harnessing the power of the Fourth Industrial Revolution key to meeting world’s growing energy needs

by Maytham Al-Musawi

**Manama, Bahrain** — Engineers, researchers, and decision makers in the oil and gas industry worldwide gathered recently for the Fifth Middle East Process Engineering Conference and Exhibition (MEPEC 2019) in Bahrain under the patronage of Bahrain Prime Minister Khalifa bin Salman Al Khalifa.

In the presence of HH Shaikh Mohammed bin Khalifa Al Khalifa, Bahraini Minister of Oil, Saudi Aramco senior vice president of Technical Services Ahmad A. Al Sa’adi spoke about transformations in the world energy sector being spurred by two major factors: climate change and sustainable development.

Al Sa’adi said that despite industry uncertainty due to technical advancements, Saudi Aramco does not expect peak demand to occur anytime soon as the International Energy Agency has noted petrochemicals production will play a pivotal role in rising oil demand until at least 2050.

“We at Saudi Aramco are determined to play a major role in meeting the world’s growing need for energy through continuous investment in the hydrocarbon value chain, employing advanced technology and innovation, and harnessing the power of the Fourth Industrial Revolution (IR 4.0),” he said.

**enhancing vertical and horizontal integration**

Al Sa’adi further discussed Saudi Aramco’s downstream strategy, which links to create value through enhancing vertical and horizontal integration in the hydrocarbon value chain.

“We seek to expand the company’s operations in the refining and petrochemicals sector — both domestically and globally,” he said. “Our goal is to ensure that Saudi Aramco becomes a pioneer in integrated energy and petrochemicals company.”

Al Sa’adi highlighted the company’s domestic and global efforts in this regard, including the current acquisition of 70% of the Saudi Arabian Basic Industries Corporation (SABIC) and Project Amiral in Jubbail, in addition to recent acquisitions of Project Amiral in Jazen, in addition to a smart learning initiative that looks to provide the latest training and education methodologies to develop Saudi Aramco’s workforce.

The company also sponsored the pavilion of innovation and commercial marketing at MEPEC through which several individuals, organizations, and companies presented modern, cost-effective technologies with the goal of marketing them to companies and parties that wish to use them on the practical level.

**Saeed Al-Zahrani earns rank of Fellow**

At a recognition ceremony for sponsors, Saeed Al-Zahrani, administrator of Saudi Aramco’s Operations Division in its Chemicals organization, was awarded the rank of Fellow at the American Institute of Chemical Engineers — the highest rank to be bestowed by the institute to its members.

Al-Zahrani, who is one of few individuals to earn this distinction, was recognized for his “significant contributions to chemical engineering and other technical achievements.”

“I am glad for this recognition, which is a personal achievement and proof of the distinction of Saudi Aramco’s development programs,” said Al-Zahrani, who thanked company leadership for “inspiring and motivating” employees to attain the “highest degrees of progress.”

He also urged young employees to participate in technical programs and scientific and professional societies to best progress and build networks that will “expand their horizons.”

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Al Sa’adi also highlighted the company’s domestic and global efforts in this regard, including the current acquisition of 70% of the Saudi Arabian Basic Industries Corporation (SABIC) and Project Amiral in Jubbail, in addition to recent acquisitions and partnership deals in the refining and petrochemicals sector in the U.S., Europe, and Asia.

**technology and digital transformation**

Al Sa’adi also spoke about the importance of technology and innovation.

“Technical achievements add value through increasing efficiency and productivity, reducing costs, and improving safety. Therefore, technology and innovation will remain at the center of Saudi Aramco’s attention,” he said, adding the company has taken large strides toward achieving entrepreneurship in the areas of technology and innovation.

Meeting the company’s four strategically important technology domains — developing crude oil applications for nonfuel consumption, sustaining low carbon density in the oil production operations, developing sustainable transportation, and offering solutions with tangible impact — Al Sa’adi also discussed its digital transformation program, which exploits the capabilities of IR 4.0 to improve company operations and develop the capabilities of its workforce in the digital field.

“As part of the company’s digital transformation strategy, we have set up a modern IR 4.0 center as a platform that enables prompt employment of digital transformation initiatives, boosts innovation, and contributes to forming technical perspectives and developing human talents.”

**growth of influence and diversity**

This year’s conference, organized by the Saudi branch of the American Institute of Chemical Engineers, witnessed growth in both quality and quantity of participation. More than 3,500 people participated in the conference, representing more than 500 companies from 50 countries.

In addition to the Leadership Excellence for Women Awards and Symposium (LE-WAS), which is held in conjunction with the conference, this year saw the World Petroleum Council’s first downstream conference held simultaneously with the process engineering conference.

The technical program of the conference focused on four topics: digital transformation, technical revolution, performance enhancement, and energy efficiency and sustainability. A large number of experts and researchers in the industrial, academic, and research and development sectors participated in the conference.

During MEPEC 2019, Saudi Aramco mounted a huge pavilion that highlighted the latest technologies used by the company in the IR 4.0 and petrochemical applications. The booth also sought to highlight the company and its goals, featuring a number of technical presentations that focused on the company’s initiatives and programs as part of the adoption of innovation and implementation of modern technology in its operations.

Rakan Al-Mughribi from Information Technology presents the smart helmet technology to Ahmad A. Al Sa’adi, senior vice president of Technical Services; Faisal A. Ya’ees (left), manager of Process Control Systems; and Noaman M. Fudhail, head of the Technical Committee at MEPEC and general supervisor of Downstream Process Engineering (right). This technology is one of the IR 4.0 applications that the company seeks to exploit in supporting and developing its operations. (Photos: Abdulaziz Al-Moawi/MPD)
Dhahran — Saudi Aramco’s Downstream Joint Venture Project Support (JVPS) recently conducted the first Downstream Joint Venture and Subsidiary Projects Symposium under the theme of “Successful Projects from Inception to Completion.”

The event attracted more than 200 key representatives from across the company with core competencies in project development and execution, as well as participants from 13 JVs and wholly owned subsidiaries.

The symposium featured three keynote speeches, an executive panel discussion, and 19 technical presentations, as well as discussions driven by topics presented in “Projects Execution Challenges and Mitigation,” “Projects Governance,” “Project Controls — Scheduling,” “Emerging Technologies,” and “Project Management Concepts.”

Shaya A. Al-Qahtani, head of JVPS, opened the event by noting the purpose of the symposium was to provide a global platform for sharing knowledge and enhancing the future technical prospects for project development and execution with the company’s partners.

JVs bring partnership, diversity, and new ways of project execution

Abdulaziz M. Al-Judaimi, senior vice president of Downstream with Saudi Aramco, shared his experience concerning the development and formation of Downstream Projects, noting that taking into account profitability, bankability, and detailed analysis of technology and complex refining projects prior to investment decisions being made have been key factors in the successful development of projects. He used Sadara’s formation as an example to highlight how alignment with shareholding partners enhances the prospects for development success.

Joint Ventures bring partnerships, and partnerships bring diversity, and therefore, different ways of standards implementation and execution,” said Al-Judaimi.

The senior vice president also emphasized the value of partnerships, saying that as Downstream’s vision looks for the company to be the premier global supplier of energy and chemicals, the key drivers to this goal will be our diversity and successful partnerships.

what are the key ingredients to JV mega-project success?

Edward E. Merrow, founder and CEO of Independent Project Analysis Inc., provided an overview of four key ingredients for success in JV mega-projects. Merrow said clear business objectives, well-staffed organizations, early completion of front-end loading, and early sorting of project governance are critical for future project success.

Bassam M. Al-Dossary of Upstream Project Management, in his keynote speech, focused on the prevailing project’s challenges, emphasizing that the ever-changing environmental factors, increasing qualified manpower demands, and technological advancement in the construction industry are lagging behind other industries.

Al-Dossary said that despite such challenges, Saudi Aramco continues to fortify its position as a global energy leader with the largest expansion project in its history. More than 200 projects are currently under way, with 12 of those projects being classified as mega- and giga-projects.

The final keynote speech was delivered by Project Management Institute senior vice president Mohammad Hammad, who spoke about the challenges that can hinder project execution. Hammad highlighted how automation and digitalization are key to overcoming many such challenges.

using good communication to avoid inefficiency

Al-Judaimi headed up a gathering of senior management in a panel discussion, including Abdulkarim A. Al-Ghamdi, vice president of Power Systems; Fahad E. Al-Helal, vice president of Project Management; Ziad T. Al-Munshed, vice president of International Operations; and Suleman A. Al-Bargan, vice president of Refining and NGL Fractionation. Merrow also participated, with Al-Qahtani moderating.

The session included lively discussions on the global market views on project inefficiencies, organizational agility and timely capture of business opportunities, the risks and benefits of third-party project investment, and JV readiness in taking on mega-projects.

Al-Judaimi warned against the danger of silos when it comes to people and communication — and the resulting inefficiencies and project challenges they create. To combat this, he said a highly integrated project team is the solution, as fostering a culture of effective communication provides solutions to most project challenges.

Al-Helal highlighted the need for clear project objectives, and ensuring the various stakeholders’ understanding, and aligning themselves to those objectives for successful future project management.

“If everyone worked on their own project without concern of the overall objectives, the project will be overly complex with higher costs and longer schedules,” said Al-Helal.

A successful first run

Feedback from the first-ever such event was positive, with several attendees saying the panel discussion provided great insight into management’s view of projects management.

At the end of the first day, event organizers provided more than 30 event participants with a tour of the King Abdulaziz Center for World Culture (Ithra).

excellence recognized: Project Management Office Department’s Faisal I. Al-Mansour wins Engineer of the Year award

A new award from the prestigious Middle East’s organization of Construction Business News has acknowledged the Project Management Office Department’s (PMOD) commitment to maximizing its knowledge base and improving subject matter expertise.

At the awards ceremony earlier this month in Dubai, Faisal I. Al-Mansour from PMOD was named the 2019 Engineer of the Year.

awards recognize individual excellence, corporate strengths

The Construction Innovation Awards were established in 2016 and represent one of the leading awards events recognizing the achievements of the region’s construction professionals, striving to acknowledge individual excellence, corporate strengths, and project success.

The event brings together the best performers in many facets of the region’s construction professionals, and fosters opportunities to connect and share knowledge with the best performers in the construction field. This assists in promoting a culture of excellence and inspires award participants to achieve the best results.

appreciation of our employee’s continuous efforts

In a rapidly growing construction industry, PMOD continues to be a center of excellence in many areas.

More than 200 key representatives from across Saudi Aramco and 13 joint ventures and wholly owned subsidiaries attended the first Downstream Joint Venture and Subsidiary Projects Symposium under the theme “Successful Projects from Inception to Completion.” (Photos: Mohammed AlShaikh/MPD)
As Saudi Aramco expands the Kingdom’s conventional and unconventional oil and gas resources through discovery and reservoir development, cost-effective geophysical methods are being implemented. Seismic is the most common method practiced throughout the industry, providing images of the subsurface that help reduce exploration risk and support drilling decisions. The company has been very active in acquiring seismic data for decades to image the promising hydrocarbon treasures beneath the surface throughout the Kingdom.

For a modern-day explorer, to drill without the guidance of advanced seismic data would be unimaginable. The journey of exploration at Saudi Aramco is a journey of seismic advancement, which for more than 85 years has enabled the company to be a practical steward of the Kingdom’s hydrocarbon resources. Over the past 50 years, the company’s seismic data has increased by a factor of 10 every decade, delivering knowledge of the subsurface that Max Steineke could only dream of.

Saleh A. Al-Maghlouth, the quiet heroes of geophysical seismic imaging

At the center of this seismic data evolution, both the Eastern and Western Seismic Imaging divisions — which are composed of more than 100 data processors — deliver subsurface images to their partners in the Exploration organization. Geophysical Imaging Department (GID) manager Saleh A. Al-Maghlouth calls the seismic data processors in both divisions “the quiet heroes” of GID. “When we get data in from the field, we get huge volumes on discs or tapes and our seismic processors build a subsurface image from billions of traces. Using a multidisciplinary approach, physically and geophysically, they condition the data to give the most accurate picture of the subsurface as possible, harnessing some of the world’s most powerful computers and their own extensive skills,” says Al-Maghlouth.

The search for hydrocarbons since the company’s founding has been relentless. Saudi Aramco’s passion for new discoveries hasn’t changed, but the technology available certainly has moved from the physical to the digital, and from the tools of the industrial age to the incredible processing power that the Fourth Industrial Revolution now delivers.

Moore’s Law has been a guiding light in computing for decades, successfully predicting the doubling of processing power every two years. At Saudi Aramco, the evolution of the company’s ability to understand the subsurface mirrors these predications. With such technology and computing advancements, chief geophysicist Mohammed Al-Otaibi emphasizes that challenging geological settings, such as the Red Sea and the Kingdom’s Northwest, have been turned into opportunities through developing advanced algorithms to improve seismic images deciphering the quality of explored reservoirs.
The Eastern and Western Seismic Imaging divisions within GID have their imprints on hydrocarbon resources over new areas. Mohammad A. Faqira, manager of the Eastern Area Exploration Department, says seismic is a key enabler in finding and quantifying hydrocarbon resources as it optimizes well placement with its laser-sharp pinpointing of well locations.

“This leads to cost saving by avoiding drilling dry wells, and cost reduction by optimizing the number of wells needed to delineate hydrocarbon discoveries,” he says. “Not using seismic is like trying to find something in the dark. Imagine how much time and money you would spend in exploring for hydrocarbons without better seismic data.”

understanding seismic

Fundamentally, seismic imaging is Exploration’s main pre-drilling tool, as drilling for oil or gas today without the work that the seismic processors undertake and the images they deliver would be the same as a surgeon undertaking an operation without the benefits of X-rays, MRIs, and other modern imaging tools at their disposal.

Seismic imaging is the most important because of its ability to detect both large- and small-scale subsurface features. It is the way the bats use echolocation to search for prey, seismic imaging infers the estimation of the shapes and physical properties of the Earth’s subsurface layers from the returns of sound waves that are propagated through the Earth. This form of seismic data can range from analog graphs and digital time series all the way to map products. This data, which is enhanced through a set of computer-intensive algorithms known as prestack time and depth migration, is used to create 2-D and 3-D images of oil and gas targets, built by the 100-plus strong team in the Eastern and Western Seismic Imaging divisions.

To build the images of the oil and gas targets, huge volumes of raw seismic data must be processed. Gathering the data is but one piece of the puzzle, though, as it is the effective use of this data to build the imagery that is key to efficient exploration and cost control. This includes the complex task of designing a proper sequence of data processing — a processing flow. This is where the skill of Saudi Aramco’s processors in the Western and Eastern Seismic Imaging divisions comes in, as no standard processing sequence exists that can routinely be applied to all types of raw seismic data.

Seismic processor Noor M. Al-Balawi, who has worked as a seismic processor for more than six years, notes how rewarding it is to be on the team, saying, “With the technology always evolving in such areas as automation, a step that once took one to two months can now be completed in one to two weeks.”

Yousef A. Al-Selais, another young seismic processor, agrees wholeheartedly.

“From when I joined Saudi Aramco in 2011, I have seen a big increase in the quality of image we can deliver, along with the time it takes to put this together,” he says.

optimizing data — data from anywhere

The task undertaken by Saudi Aramco’s seismic processors is a challenging one, transferring raw data into a form that is optimal (the best choice after considering all factors) for extracting the signal. They must make decisions, which rely on physical and geological theories, which tie the seismic data and geological problem together.

Geophysical consultant and senior processor Arun K. Sarkar says that raw data can come from anywhere across the Kingdom, making decisions, which rely on physical and geological theories, which tie the seismic data and geological problem together.

Understanding seismic data and geological problem together.

This leads to cost saving by avoiding drilling dry wells, and cost reduction by optimizing the number of wells needed to delineate hydrocarbon discoveries, “Here, we need to understand a wide range of disciplines. After all, in the study of the subsurface imaging through to exploration and eventually production, my opinion, seismic processing is the foundation on which the successful and cost-effective delivery of Saudi Arabia’s hydrocarbon bounty is built. That is very rewarding to be part of,” he says.

Sarkar nods in agreement, “We are fortunate to work in the big project where we are all working together to deliver the best results for Saudi Aramco, and ultimately the Kingdom, makes my role so much more rewarding.”

Ibrahim notes that, ultimately, it is about the combined power of working together “…and combining skills from across the company, I get to bring together my two passions — math and physics — every day.”

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Ibrahim goes on to note that the technology they work with every day has a long history, originating in the way bats use echolocation to search for prey, seismic imaging infers the estimation of the shapes and physical properties of the Earth’s subsurface layers from the returns of sound waves that are propagated through the Earth. This form of seismic data can range from analog graphs and digital time series all the way to map products. This data, which is enhanced through a set of computer-intensive algorithms known as prestack time and depth migration, is used to create 2-D and 3-D images of oil and gas targets, built by the 100-plus strong team in the Eastern and Western Seismic Imaging divisions.

To build the images of the oil and gas targets, huge volumes of raw seismic data must be processed. Gathering the data is but one piece of the puzzle, though, as it is the effective use of this data to build the imagery that is key to efficient exploration and cost control. This includes the complex task of designing a proper sequence of data processing — a processing flow. This is where the skill of Saudi Aramco’s processors in the Western and Eastern Seismic Imaging divisions comes in, as no standard processing sequence exists that can routinely be applied to all types of raw seismic data.

Seismic processor Noor M. Al-Balawi, who has worked as a seismic processor for more than six years, notes how rewarding it is to be on the team, saying, “With the technology always evolving in such areas as automation, a step that once took one to two months can now be completed in one to two weeks.”

Yousef A. Al-Selais, another young seismic processor, agrees wholeheartedly.

“From when I joined Saudi Aramco in 2011, I have seen a big increase in the quality of image we can deliver, along with the time it takes to put this together,” he says.

Geophysical consultant and senior processor Arun K. Sarkar says that raw data can come from anywhere across the Kingdom, making decisions, which rely on physical and geological theories, which tie the seismic data and geological problem together.

Understanding seismic data and geological problem together.

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Members of the Geophysical Imaging Division are critical to the success of the company’s exploration efforts. Their insistence on the use of cutting-edge technology and expert analysis drive seismic imaging success.

**Unconventional Success**

As the company pushes into its unconventional hydrocarbon resources exploration program, seismic data has been a key driver in the success in the Northwest and Jafurah Basin. With limited subsurface data and complex geology in the Northwest, advanced seismic processing and imaging technologies were deployed to image the subsurface rocks layers. The efforts of seismic processing professionals were rewarded with the discovery of commercial quantities of natural gas, trapped within tight channel sands called “Sarah” channels.

In the Jafurah basin, seismic data processing also helped to predict changes in basin geological facies relative to the organic content, which defines areas to be evaluated. Seismic processing imagery was also used to create structure depth maps to place horizontal wells down to the level at which the rocks can be hydraulically fractured to release hydrocarbons.

The success in discovering gas in Sarah channel sand is primarily driven by the effective utilization of advanced geophysical methods and proper data integration,” says Ahmed M. Al-Hakami, manager of the Emerging Unconventional Assets Department. “Such an approach is helping our teams unlock more promising gas opportunities, which can support the Kingdom’s gas demand.”

Reflecting on the efforts of the entire seismic imaging team, Al-Maghlooth notes, “The passion of every member of the team to provide the highest quality processing of the acquired seismic data is visible in the quality of imagery they provide to their clients across the business, in a true spirit of collaboration.”

“We are fortunate to have access to cutting-edge technology and incredible processing power. However, above and beyond our software and hardware is mindware. We are blessed to have an incredibly bright and professional team of geophysicists in both seismic imaging divisions. They are not only doing excellent work; they are also producing patentable ideas.”

**Undertaking Every Day**

“At the other end of the Kingdom, Sarkar notes he has been working on the offshore Manifa Project for the past decade. “There is a huge amount of data still to be processed and our team is working hard to realize the value in this wealth of information.”

Sarkar says that Saudi Aramco has one of the largest seismic data processing centers in the world, “which makes sense as we are working one of the largest hydrocarbon reserves in the world. That is always interesting.”

Geophysicist Fatimah M. Al-Bu Ali studied geophysics at Leeds University in the U.K., joined Saudi Aramco’s Professional Development Program (PDP) in 2015 and started her seismic processing assignment in 2017. “The environment is very collaborative and professional. As a relatively new employee, I get exposure to the full spectrum of seismic imaging work,” says Al-Bu Ali. “For example, this year my focus is to work on generating accurate seismic depth maps for reservoirs, and next year, the plan is for me to focus on building accurate near surface models.”

Like Al-Bu Ali, her colleague Najoud S. Al-Qahtani also graduated from Leeds University with a bachelor’s degree in geophysics from a Saudi Aramco scholarship. Starting as a PDP, she also gained exposure across the business and eventually chose seismic processing as a career, in which she has now worked for close to one year. “I now understand where the data comes from, and have the opportunity to build on my foundations as a geophysicist,” says Al-Qahtani. “I get the opportunity to work at the foundations of exploration, where we are, in effect, the roots of the tree that grows to be successful oil and gas production.”

Al-Qahtani, who is processing part of the Empty Quarter challenging seismic data, says what is particularly rewarding is converting raw subsurface seismic data into a useful image that can be used to make important business decisions, including whether to spend a significant amount of money on drilling a well.

“Delivering high quality, useable data to clients across the Exploration organization makes the job very rewarding. The atmosphere is so supportive, and the opportunity to also mentor younger employees, as well as being part of the decision making process through the Young Professionals Committee established within the Eastern and Western Seismic Imaging divisions, it really is a great place to work,” she says.

**Company News**

First Discovery

First discovery of oil in commercial quantities from Dammam No. 7.

Aramco Acquiring Seismic

Aramco was one of the first companies in the Middle East to start collecting seismic data suitable for computer processing.

Seismographs

Seismographs were sent to be analyzed in an analog processing center in Texas.

Seismic in Digital Form

Seismic data processed on a computer, the system was faster. Aramco has installed a complete digital seismic computer system right in Dhahran.

3-D Seismic

Saudi Aramco initiated its first onshore 3-D seismic survey program, at Abu Jifan.

IR 4.0

Using automation and advanced technologies to enhance the Seismic Image.

Full Waveform Inversion

Future subsurface mapping and characterization.
Executive Management Safety Reviews are conducted in facilities across the Kingdom to outline the company’s commitment to demonstrating safety leadership and accountability, fostering a culture of positive employee engagement.

Saudi Aramco’s Loss Prevention Department (LPD) has released its 2018 Annual Safety Review, an annual publication that provides an in-depth insight into the company’s safety performance. The review includes an analysis of a number of different areas of safety across the business, including leadership, behavioral enhancements, contractor initiatives, and progress in safety-related innovation and technology.

“Our corporate safety value guides our business conduct at all times and is a fundamental part of our culture,” said Ghasan G. Abulfaraj, manager of LPD. “We remain as committed as ever to providing a safe working environment, and this review highlights our achievements, addressing challenges.

The review underlines Saudi Aramco’s commitment to a safe workplace by reporting improvements in a number of key areas, including its lowest ever lost-time injury rate, a process safety event rate significantly lower than the industry average, and the rate, a process safety event rate significant.

addressing challenges.

The review also details the progress made on a number of safety-related initiatives, including the establishment of a Risk and Health, Safety, and Environment Committee tasked with overseeing the company’s operational risk and safety performance, as well as continued efforts to drive process safety improvements through open communication, and extending safety accountability for employees and the contractor workforce.

four key elements to promote contractor safety and ‘Lifesaving Rules’

Contractor safety is not only a key theme in the report; it also remains a major focus of attention for the company, which initiated its corporate strategy with the goal of producing permanent and sustainable safety improvements through open communication and extending safety accountability for employees and the contractor workforce.

• Improving overall engagement and communication with contractors
• Carrying out more in-depth assessments
• Providing credible safety performance metrics on construction projects
• Evaluating the company’s governing processes and procedures for selecting contractors and ensuring their safety competence.

The review outlines a number of process enhancements initiated throughout the year, including a corporate safety dashboard that provides detailed safety performance statistics in real time, as well as the rollout of what the company refers to as its “Lifesaving Rules.” These rules are the result of an in-depth review of past safety incidents, after which LPD determined that the majority of Saudi Aramco’s fatal incidents were caused by a failure to comply with eight specific safety rules. These rules were promoted through a companywide campaign, and serve to help emphasize the importance of critical safety issues.

using technology to create a safer workplace

Also highlighted in the review is the company’s drive to embrace technology and innovation in safety-related areas. Examples of this are the Gas Finder Camera, which is used to detect potential hydrocarbon gases during production and transportation activities, and the Smart Hat, fitted with a camera and smart screen that allows field personnel to establish audio/video communication with subject matter experts for on-the-spot technical support.

In his opening letter, Amin Nasser, president and CEO, shared his personal thoughts on the company’s safety performance.

“At Saudi Aramco, we remain resolute in our goal of becoming the world’s leading integrated energy and chemicals producer while striving for a workplace free from injuries and fatalities. I firmly believe that we will achieve this, and I would like to thank our employees and contractors for their part in ensuring our success.

“As we continue on this journey together, I ask each and every one of you to demonstrate accountability and safety leadership in all of your activities,” he added.

To view the 2018 Annual Safety Review, please click the banner advert on MyHome, or access it directly using the LPD website.
Dhahran — Tanween, Ithra’s Creativity Season, concluded last weekend after 17 days of creative events, including workshops, talks, exhibits, performances, and dining experiences. Over 100,000 visitors, of all ages and interests, came together to experience and celebrate creativity under the theme “PLAY.”

As the Kingdom’s foremost creativity platform, Tanween places talent at the center of its mission and operations. The Creativity Season connects local talent with global expertise, bringing in international subject matter experts, artists, academia, and notable personalities from a variety of disciplines to conduct interactive and engaging talks, workshops, and demonstrations to curious learners.

**Extreme sports gets Tanween visitors moving**

Beyond professional development, Tanween also hosted live shows for visitors to enjoy. Renowned performer and host Greg Foots performed his “Greg Foot’s Extreme Sports Science Show,” on the Ithra stage. The adrenaline-fueled stunt show featured runners and world-class trick cyclists, as Foot spoke about the science and engineering behind mind-blowing tricks. He also deconstructed the physiology and physics behind man and machine as they competed in spectacular, daring displays. A guest at the show, 10-year old Faisal Ashour was excited to witness the sports show.

“It was really fun to see how one artist spun around in his bike and how the second artist was able to jump around from one place to another,” he said. “My friend and I were on our toes the whole time!”

Tanween also delivered a talent showcase, Tanween Stage, showcasing 22 talents live on stage in front of audiences.

**Ithra gets interactive with Tanween exhibits**

The Tanween season also hosted 12 interactive exhibits for visitors to explore, including the ADA by Karina Smigla-Bobinski that invited people to activate and animate the ADA sculpture. Filled up with helium and floating freely in the gallery, the ADA is a transparent, membrane-like globe spiked with charcoal that leave marks on the walls, ceilings, and floors.

Another popular installation was the Luminarium by Architects of Air, designed by Alan Parkinson and inspired by natural forms, geometric solids, Islamic and Gothic architecture. Surrounded by beauty of light and color, visitors walked through a maze of winding paths and domes.

Commenting on the installation, 26-year old Noon Al-Mulla, said “The Luminarium installation was a wondrous experience where you can visually and spatially interact, and develop a unique connection between form and light.” Those aged 15 and older, including adults, joined the Boxwars team in building the big Boxwars battle “Boxwars: Grande Air Race” on Saturday, Oct. 26, the epic event at the finale of Tanween. Workshops were conducted daily where participants were guided by a team of creators from Boxwars, a company created by two brothers, Hoss and Ross Koger.

Commenting on the workshop, 8-year old Nora Alturki said, “I loved that I created an airplane and had a Hello Kitty on my airplane. I also did a crown! I loved it so much,” she added.
What is knowledge management? EXPEC Computer Operations Department works to give employees skills

by Scott Baldauf

Al-Khobar — Like most departments in the company, the EXPEC Computer Operations Department (ECOD) has a robust program for knowledge management, ensuring that the leaders and employees of tomorrow have both the technical and soft skills to meet future challenges. But ECOD’s Knowledge Management Program is increasingly being recognized for having what may be considered the best practice in the company that other organizations could emulate.

ECOD’s secret is an in-house developed training workshop — the Support Center Leaders Workshop — which trains the support staff of the EXPEC Computer Center, who are potential leaders.

Now having just finished its 10th session, the workshop focuses on four pillars — people, process, customers, and technology — and prepares participants for one of the toughest transitions of their career, which is moving from a position of technical expertise to the leadership of people.

In addition to presentations, the workshops feature guest speakers, including managers, who share how they have integrated soft skills, such as coaching, having a strategic vision and mission, and having a structured mind, into their management styles.

‘leadership is about managing people’

“Leadership is not about being a boss; it’s about managing people,” said Yasir A. Al-Rafie, manager of EXPEC Applications Services, as he fielded questions from workshop participants. “Dealing with mechanical systems is easy. Handling people is much harder, and there are no easy solutions. But we’re all human, and if you act professionally and you treat people the way you want to be treated, then you’ll be fine.”

With a new generation joining the company and taking up leadership positions, the practice of preparing young employees with the skills and expert knowledge to succeed has become a strategic imperative.

By integrating KM into each organization’s workflows, Saudi Aramco is making sure there are no gaps in knowledge when experienced employees retire.

And with programs like ECOD’s workshop, Saudi Aramco is preparing young leaders for the company and also preparing the company for new leaders.

The workshop was initiated and conducted by ECOD Information Systems senior consultant Rafat A. Alouni, a 35-year Saudi Aramco veteran. This workshop is fully supported by ECOD manager Raed H. Alrabeh, and is organized by ECOD Operations Planning and Consulting supervisor Abdulrahman AlTouri and his Business Planning Team leader Christine Hazel G. Realeole.

developing leaders

To develop the curriculum for the workshop, Alouni said he worked with consultants to benchmark the best practices worldwide and see what the most effective methods were for developing leaders.

“We looked at the types of soft skills they were needed to lead an organization,” Alouni said. “We want to prepare the next generation of potential leaders with the skills they need to lead any organization in the company.”

This is important not just for the company, but also for the Kingdom, Alouni added. “We can’t achieve the goals of Saudi Vision 2030 with the old ways of leadership. We want these young people to have a structured mind, so that they can lead any organization with the best skills worldwide,” he said.

The workshop team meets after each session and reviews what worked, and what can be done to improve the content for the next group of potential leaders. The end result, Touri said, is that workshop participants tend to return to work motivated and energized, with the opportunity to put these soft skills and leadership theories into real-world practice.

Nora A. Alwada’ah, a computer operating systems specialist with ECOD, says the workshop helped her refine her idea of leadership.

“The first day, Mr. Alouni asked us to write down what we would do as a manager,” Alwada’ah said. “After two days, I didn’t change my mind, but it’s become much clearer. Being involved with your people is the most important thing. With these soft skills and the structured mind, we can apply this method anywhere.”

Faisal A. Badughaish, an exploration systems analyst with the Explorations Applications Services Department, said the workshop really helped to reinforce how important people are to the work he does at Saudi Aramco.

“In our daily work, people perceive that budget, money, and finance are the most important things, and I’m not saying they’re not important. But this workshop really focused more on the people. Because at the end of the day, we’re human, and emotional intelligence is very important in working with people.”

company experts come together to offer ‘Fundamentals of Pipeline Engineering’

Twenty-six young engineers from across three of Saudi Aramco’s Pipelines organizations, as well as the Projects and Technical Support Department, recently completed a newly developed “Fundamentals of Pipeline Engineering” course.

In line with corporate objectives to prepare the workforce for the future with efficient human resources development, the two-week Mechanical Engineering for Pipelines course was launched by the Pipelines Human Resources committee.

The course consists of 18 modules that were developed internally by subject matter experts from Pipelines, the Projects and Technical Support Department, and the Consulting Services Department, with the support of the Technical Services Professional Academy.

The main intent of the course is to address the technical competency needs of young Pipelines engineers in areas that are very specific to the business.

amazing learning experience

Mohammed A. Al-Hatlani, general manager of Pipelines, inaugurated proceedings along with the managers. As part of his address, he acknowledged the organizing team for the significant effort expounded in creating the course on such a short and tight timeline.

Al-Hatlani further congratulated the organizing team and the instructors, who he said delivered such an amazing learning experience for the attendees. That, said delivered such an amazing learning experience for the attendees. That, said delivered such an amazing learning experience for the attendees. That, said delivered such an amazing learning experience for the attendees.

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Saudi Aramco is preparing young leaders for the company and also preparing the company for new leaders through the Support Center Leaders Workshop, which trains potential leaders of the support staff of the EXPEC Computer Center. Here, Rafat A. Alouni, a 35-year veteran who initiated and conducted the workshop, listens to a question from one of its participants. (Photos: Hatim Oweida/MPD)

Ten years ago, the EXPEC Computer Center started preparing young engineers for new leaders through the Support Center Leaders Workshop, which trains potential leaders of the support staff of the EXPEC Computer Center. Here, Rafat A. Alouni, a 35-year veteran who initiated and conducted the workshop, listens to a question from one of its participants. (Photos: Hatim Oweida/MPD)

company news October 30, 2019 | the arabian sun
Celebrating Diversity and a Love of Literature at Dhahran Poetry Group Event

by Motzam Marzouk

Dhahran — With poems recited and spoken in Arabic, Urdu, and English, by well-known poets from the Kingdom, India, and Pakistan, the annual Dhahran Poetry Group (DPG) event provided another evening of excitement and culture for the more than 200 participants attending.

Richly Speaking to the Heart

Fuad F. Al Therman, general manager of Public Affairs with Saudi Aramco, who served as the chief guest, noted the history of Arabic poetry and highlighted the richness of the Arabic language and its diversity. He added that poetry is the best form of creativity that originates from the heart, displaying one’s inner emotions.

The event began with an Arabic poetry session, displaying melodious and heart-touching couplets, in turn engaging, stirring, and mesmerizing the audience by conveying deep and complex ideas through simple and evocative lines. Abdullah Ilyas Yousif, a young Saudi poet who works with Pipelines, Distribution and Terminals, provided a touch of optimism and hope by reciting couplets teaming a desert sunset and the Red Sea. Also among the local poets reciting Arabic poetry were Ejaz Shahid, Ibrahim Ahmed, Rabab Y. Al Ismail, Abdullah Ilyas Yousif, and Mostafa Shami.

One literary personality, Rachna Korhonen, counsel general from the U.S. consulate in Dhahran, delighted the audience with recitation of poetry in English, Urdu, and Arabic. She emphasized that poetry is not merely a language, but creativity and imagination where one can express ideas that otherwise cannot be expressed in any other form. She expressed her gratitude that Saudi Aramco is in the forefront of all kinds of human development, some of which was witnessed and demonstrated at the DPG event.

Recognitions

As part of the festivities, Al Therman distributed awards as a token of appreciation and encouragement for the participants. Lifetime achievement awards were distributed among the founders of the DPG group — Rafiq Khurshid, Hassan Abidi, Ahmed Majeed, Razi Khan, and Adil Mustafa — for their dedication in making the DPG a successful self-directed group.

Halal T. Albetairi, administrator of the Residential Services Division in the Central Community Services Department, expressed her gratitude to DPG for the event, noting that department management would always be supportive of social events that bring people and family together and provide them the opportunities and platform to fulfill their emotional and literary needs.

Serious and Humorous

After the dinner, poets from Pakistan, India, and local talents entertained the audience with serious and humorous poetry, which kept the audience glued to their seats until midnight. Highly acclaimed Indian poet Nawaz Deobandi weaved magic with couplets expressing ideas ranging from love of humanity, equality, emotions, respect of people, and dignity of women.

Meanwhile, the guest of honor, famous Pakistani poet and writer Inamul Haq Javeed, shared humorous couplets that sent everyone into howls of laughter, bringing the hall down at Ad-Diwan.

The audience also applauded and praised local poets Asif Muzaffar, Zafar Chowdhray, Syed Shaiz Mahdi, and Suman Tarig, who fascinated people with their talent.

Making the Annual Event a Success

DPG president Adil Mustafa, vice president Ahmed Majeed, general secretary Syed Faisal Mahmood, treasurer Kamran Syed, event masters of ceremony Maryam Syed and Sadaf Muzammil, and several volunteers worked tirelessly to make the event a success — from the stage decorations and arrangements by Seena Mustafa and her team, selected poets, and diversity in the program that reflected the love of literary work and the diverse nature of our Saudi Aramco communities.

For participation in poetry recitals and free membership, DPG can be reached at adil.mustafa@aramco.com or 055-751-5178.

Abqaiq Celebrates Cultural Diversity with Spotlight Event for Young and Old Alike

by Tiziana Girolamo

Abqaiq — The Abqaiq Spotlight Group recently conducted a Cultural Exchange party in the Ain Nakhli Golf Clubhouse with participation of the Abqaiq Community and the help from the Abqaiq Recreation Services Unit.

The essence of this event was to savor and value the existence of diverse cultures. Also, it provided an opportunity to taste the originality and diversity of the foods of each country.

Each person, young or old, wore typical costumes from another country different from their own, with the purpose of learning, feeling, and supporting each other among all international countries.

Everyone enjoyed seeing each other’s creativity in wearing beautiful costumes. It was an evening of sharing cultural information, thereby improving the bonds of friendship and cultural enrichment.

People enjoyed and danced to the popular music from each country — a way to expand their rhythm and increase both their physical as well as mental energy.

Many Cultures, One World

Abqaiq celebrates cultural diversity with Spotlight event for young and old alike
King Abdulaziz Center for World Culture
by saudi aramco

Ithra movies

**Coconut the Little Dragon**
Oct 30 1:30 p.m.

**Is Sumiyati Going to Hell?**
Oct 30, 31 8:15 p.m.

**Ithra Heroes Adventure**
Nov 1, 4 10:30 a.m.

**50 Thousand Photographs**
Nov 1, 4, 5, 6 4 p.m.

**A Mouse Tale**
Nov 2 6:30 p.m.

**Apollo 11: The Untold Story**
Nov 1, 4, 5, 6 6:30 p.m.

**Rediscovery**
Nov 4, 5, 6 2 p.m.

**The Investor**
Nov 2 4 p.m.

**The True Story of King Tut’s Treasure**
Nov 1, 2 2 p.m.
There are over a billion cars in the world, so we’re reimagining internal combustion engines with technologies that can reduce CO₂ emissions by up to 25%.

THIS IS REAL ENERGY. THIS IS ARAMCO.