Saudi Arabia is determined to diversify its economy as enshrined in Vision 2030. Its rise on global development indices is a promising sign the country is moving in the right direction.

The Covid-19 global pandemic will have some economic bearing on Saudi Arabia, which has carried out one of the strictest lockdowns in the region in attempts to contain the disease.

The oil-rich kingdom has swiftly drawn out plans to maintain financial stability. The Saudi Arabian Monetary Authority (SAMA) announced a SR50-billion ($13.33 billion) program to support the private sector, especially the small and medium enterprises and mitigate any financial impact from the pandemic.

The measures are essential so the country meets its goals outlined in Vision 2030, an ambitious path set out on in 2016. The leadership’s bold foresight then envisioned a country less dependent on oil, economically diversified and transforming into a knowledge economy. Nothing proves that vision more correct than today’s oil prices, which have plummeted to new historic lows. For a more correct than today’s oil prices, which edge economy. Nothing proves that vision - diversified and transforming into a knowledge economy.

The measures are essential so the country meets its goals outlined in Vision 2030, which puts the non-oil sector at the heart of the country’s economic development. Reducing its reliance on the oil sector is vital for the country’s economic diversification.

The vision’s key economic goals include increasing the private sector’s contribution to gross domestic product (GDP) from 40 to 65 per cent, raising the share of non-oil exports from 16 to 50 per cent, and reducing the unemployment rate from 11.6 per cent to 7 per cent by 2030.

It also aims to maximise local content by localising more than $70 billion of content through programmes such as In-Kingdom Total Value Add (IKTVA) Programme, make economic agents more efficient and increase government revenues by removing domestic energy subsidies and introduce other non-oil revenue items, enabling further government investment. Developing the kingdom’s non-oil sector would help it to meet these targets.

No Compromise on Vision 2030

Saudi Arabia is determined to diversify its economy as enshrined in Vision 2030. Its rise on global development indices is a promising sign the country is moving in the right direction.

But the kingdom is looking for ways to strengthen its non-oil profile to sustain long-term growth. This is also a key objective of the Saudi Vision 2030, which puts the non-oil sector at the heart of the country’s economic development. Reducing its reliance on the oil sector is vital for the country’s economic diversification.

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According to the Governor of the Saudi Arabian Monetary Authority, Ahmed al-Kholifey, monetary, fiscal and structural policies are all geared towards an expansion of the private non-oil sector GDP over the medium term.

The IKTVA programme has attracted 468 investments from 25 countries with an estimated capital expenditure of $6.5 billion, resulting in 44 industrial facilities completed to-date, with another 64 facilities under construction.

Saudi Aramco, a key stakeholder in the Vision 2030, has signed 66 memoranda of understanding (MoUs) and strategic and commercial collaborations valued at more than $21 billion with international partner companies and entities from 11 countries in several industrial and business sectors under its IKTVA Programme.

These investments will contribute to building an integrated Saudi supply chain and bringing new capabilities to the kingdom.

The agreements have been with companies like Hyundai Heavy Industry, Seimens, Aasia Steel, Oilfields Supply Center (OSC), Al-Khorayef Petroleum, Mitsubishi Hitachi Power Systems, Schneider Electric, Honeywell, Advanced Electronic Company (IT), XDM 3D Printing, Shengong New Materials, XINFOO and Saudi Exports Development Authority.

Continued on Page 6
The five elements of operational excellence.

Yokogawa’s OpreX is invaluable to customers looking to transform their businesses and ensure sustainable growth. Encompassing transformation, control, measurement, execution, and lifecycle technologies and solutions, OpreX represents a tour de force in industrial automation from the company that has made its name working with customers around the world to co-create value, with the objective of achieving true operational excellence.

www.yokogawa.com/oprex/
The National Transformation Program (NTP) released its annual report, reviewing its most significant achievements by the end of 2019. The programme plays a major role in overcoming the challenges to Vision 2030 goals.

The achievements highlighted in the NTP are categorised into three main principles: achieving governmental operational excellence, improving economic enablers, and enhancing the standards of living, and further spread into eight themes.

The programme focuses on four key sectors: industry, mining, energy and logistics. The programme also designs and provides a range of essential enablers that include developing appropriate systems, providing the required financing, developing infrastructure, industrial lands and private areas, and enhancing research and innovation.

A key player in the NIDLP is the Saudi Authority for Industrial Cities and Technology Zones (Modon), which oversees the country’s industrial cities. There are 35 industrial cities with over 3,500 factories that are leading Saudi Arabia’s transformation to a leading industrial power.

The Kingdom advanced more than 100 rankings, from 141 in 2018 to 38 in 2019, in the ‘Business Start-up’ index through the launch of the Comprehensive Service Centers (Meras), which offer easy establishment of companies, enabling them to shift toward the IR4.0 technologies.

Additionally, Modon has been very successful in attracting leading global companies to bring in value-added investments. These include General Electric for manufacturing gas turbines, Isuzu Motors for producing trucks, Ebara Pumps Saudi Arabia, Schlumberger for drilling rigs, and Henkel for chemical industry.

Modon too has increased the number of zones categorised into three main principles: achieving governmental operational excellence, improving economic enablers, and enhancing the standards of living, and further spread into eight themes.

Eng Thamer bin Abdullah Al-Sadoun, CEO of NTP, says the Kingdom has achieved numerous successes through the programme, which aimed at removing obstacles to doing business in the country.

He says Saudi Arabia was the worlds most improved in the annual ranking of the ease of doing business in 190 countries, according to the ‘Doing Business 2020’ report issued by the World Bank Group. It climbed to 62nd place, compared to 141st in 2018.

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The Kingdom advanced more than 100 rankings, from 141 in 2018 to 38 in 2019, in the ‘Business Start-up’ index through the launch of the Comprehensive Service Centers (Meras), which offer easy establishment of companies, electronically in just one hour. Additionally, the country rose to 49th position on the index of the most developed countries in the United Nations Trade and Development Index (UNCTAD).

The NTP through the instrumental role played by the digital transformation plan has contributed to raising the kingdom to second place among G20 countries for its advancement in the digital arena.

**INDUSTRIAL REVOLUTION**

As a part of the Vision 2030, Saudi Arabia established the National Industrial Development and Logistics Vision Realisation Program (NIDLP) that aims to transform the Kingdom into a leading industrial power and an international logistics platform, while focusing on the 4th Industrial Revolution in a way that will generate ample employment opportunities for Saudi cadres, boost trade balance and maximise local content.

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Abdel Hadi Abdullah Al Qahtani & Sons Group of Companies

INDUSTRIAL ACTIVITY OF THE GROUP

- AL-QAHTANI PIPE COATING INDUSTRIES (Epoxy coating and lining for direct smelting, polyethylene, concrete and dual welding)
- GROUP FIVE PIPE SAUDI COMPANY (Manufacture of steel pipes with spiral welding for oil and water applications up to 120-inch diameters)
- AL-QAHTANI CHEMICALS COMPANY (Production of water treatment chemicals, chlorine chemicals and caustic soda)
- PIPELINES FLOW CHEMICALS COMPANY (Production of chemicals to reduce friction and accelerate the flow of fluids - oil - inside the pipes)
- DHAHRAN HILLS READY MIX CO. (Ready-made concrete production for buildings, prefabricated buildings, pavements and blocks)
- AL-HUJAZ CARTON FACTORY CO. (Manufacturing of packing cartons)
- AL-QAHTANI NAILS & GALVANIZED WIRE FACTORY (Producing nails, galvanized wire, wire and barbed wire)
- SOUTHERN GAS COMPANY (Production of industrial and medical gases and packaging)
- ARAB VALVE MANUFACTURING CO. (Valve production and services)
- AL-QAHTANI PCK PIPE COMPANY (Production of longitudinally welded steel pipes for the production and transportation of oil and gas)
- VALLOUREC SAUDI ARABIAN CO. (Production of seamless steel pipes for the oil and gas industry according to high technology)
- AL-HUJAZ WATER CO. LTD (Boiling and distribution of drinking water in a variety of containers)

TRADING & CONTRACTING ACTIVITIES OF THE GROUP

- INTERNATIONAL COMMERCIAL ENTERPRISE CO. (Trade, import, export and commercial agencies)
- AL-QAHTANI VEHICLE & MACHINERY CO. (Distribution of drilling machinery and cranes, and the transfer of rigs and the provision of services and rental)
- ARAB COMMERCIAL SERVICES CO. LTD (Providing business services and representation of companies, import and export for the account of third parties and commercial agencies)
- PIPE & WELL O. & M. SERVICES CO. (Provide pipe inspection services)
- HEDHAB REAL ESTATE COMPANY L.L.C. (Development of land to residential or industrial schemes and investment therein)
- AL-QAHTANI CONSTRUCTION & BUILDING (Construction of residential and commercial buildings)
- VALLOUREC AL-QAHTANI CO. (Trade and distribution of petroleum and gas production goods, pipes and connections)
- ARAB COMPANY FOR PROJECTS & MAINTENANCE (Pipeline extension and installation of platforms and oil contracting)
- DALMA GULF DRILLING CO. (Drilling of oil and gas wells)
- AL-QAHTANI INVESTMENTS CO. (Entry into diversified investments)

ACTIVITY SERVICES OF THE GROUP

- ERADAT TRANSPORT (Providing the services of transporting goods and transporting the passengers of the employees of others)
- IZAR FOR INSURANCE BROKERAGE CO. (Conduct brokerage work in all types of insurance)
- RIYAL INVESTMENT & DEVELOPMENT CO. (Car and buses rental and maintenance)
- AL-QAHTANI AVIATION COMPANY (Management of airlines and ground services at airports and air freight)
- SAUDI GULF AIRLINES (The operation of commercial aircraft in accordance with international standards and developed airlines locally and internationally)
- AL-QAHTANI FOR EDUCATION & TRAINING CO. (Establish and manage institutions, educational centers and training)

AGRICULTURAL ACTIVITY OF THE GROUP

- DEVELOPMENT & AGRICULTURAL GROWTH L.L.C (Construction of green houses and supervision of agricultural works, horticulture, agricultural seedlings and irrigation systems)

Onwards to a Brighter Future.

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ON February 24, Schlumberger announced the opening of a world-class manufacturing centre at the King Salman Energy Park (Spark), which supports Saudi Aramco’s In-Kingdom Total Value Add (IK-TVA) programme to promote economic growth. The centre will manufacture well completions technologies including liner hangers and packers and isolation valve technologies, including GROVE and ORBIT ball valves, to help improve the efficiency of oil and gas operations in the kingdom and neighbouring countries.

The first phase of the manufacturing centre, which comprises 105,000 sq m, will create more than 200 new jobs over the next few years and develop a highly skilled manufacturing and supply chain workforce for oil and gas products and services within the region. This is a demonstration of Schlumberger’s alignment with the Kingdom’s 2030 Vision.

“It is with pride that we announce the inauguration of the Schlumberger manufacturing centre at the King Salman Energy Park. As the first upstream services company to establish a manufacturing centre at Spark, we are enabling an agile fit-for-basin capability that links research, product development and now manufacturing to the needs of the Saudi market. It is a true demonstration of our commitment to the IKTV A programme by expanding our localisation portfolio bringing our latest technologies to be manufactured in the kingdom,” says Ziad Jeha, President, Schlumberger Saudi Arabia and Bahrain.

Schlumberger is the world's leading provider of technology for reservoir characterisation, drilling, production, and processing to the oil and gas industry. With product sales and services in more than 120 countries and employing approximately 105,000 people representing over 170 nationalities, Schlumberger supplies the industry’s most comprehensive range of products and services, from exploration through production, and integrated pore-to-pipeline solutions that optimise hydrocarbon recovery to deliver reservoir performance sustainably.


The facility will create over 200 jobs.

A product that gives you multiple advantages, specifically designed to optimise production with up to 20% reduction in production time. Hempaprim Multi 500 enables you to deliver three coats in a single shift without compromising on quality, strength or finish.

- Full system application in a single shift
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- Optimised application
- Reduced VOC

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Your dependable partner for process engineering and technologies in refineries and petrochemical plants

At Sulzer, we develop, design and produce mass transfer equipment that offer solutions for all your separation challenges. Our portfolio includes state-of-the-art products for distillation, absorption, stripping, evaporation, phase separation, liquid-liquid extraction, crystallization and membrane separation. The recent acquisition of GTC Technology adds a range of refining and petrochemical licensed process technologies to Sulzer’s existing process plant design, construction and commissioning capabilities. This includes supply of proprietary equipment, catalysts and specialty TECHTIV® solvents for the licensed technologies.

As a market leader in aromatic extraction technologies using extractive distillation, Sulzer GTC has a unique patented technology application – ‘GT-BTX P luS®, for the refining industry. GT-BTX P luS® can enable FCC/R FCC gasoline desulfurization with minimal or no octane loss to help refineries produce gasoline that can meet ultra-low sulfur fuel (Euro V) regulations along with the flexibility to produce aromatics. This technology unlocks value for a refinery to increase margins without major capital investment while planning for turnaround upgrades to meet environmental regulations. Among Sulzer GTC’s other process offerings are naphtha and C4 isomerization, hydrotreatment (ranging from Naphtha to Residue), refining/petrochemical integration and dividing wall columns.

Because life is fluid – www.sulzer.com
AYTB, one of Saudi Arabia’s major industrial contracting services companies, remains vigilant of Covid-19 and has reacted swiftly to the situation by streamlining finances to not only protect the business but also secure the financial wellbeing of its employees, says Mohamed Zain Al-Harbi, AYTB CFO.

At AYTB, the company’s finance team has made liquidity its primary task. There is an increased focus on the collection of receivables and the conversion of any un billed performance into receivables. A risk considered here is a possible collection shortage from some smaller clients, who might face financial difficulties due to the global business environment.

In this regard, AYTB has found strong support from its very understanding clients. This rapport with the clients is the result of AYTB’s 40-year history of providing trusted and quality services. Another vital aspect looked into is the management of the current credit limits with the relationship banks while negotiating additional finance sources in the case of any emergency. AYTB has been deliberating and discussing all possible scenarios here and has been in contact with banks from day one.

It is worth mentioning that various Saudi ministries and authorities have been quick in rolling out significant initiatives to support the private sector. These include support from the Saudi Arabian Monetary Authority (SAMA), Ministry of Finance, General Authority of Zakat and Tax (GAZT), Ministry of Interior, Ministry of Human Resources and Social Development, etc.

These initiatives have meant considerable support for companies. And the result was an immediate impact, which was reflected in the demonstrated support by banks to AYTB and other companies in the market.

Meanwhile, a weekly rolling cash flow forecast was implemented from an early stage. This is important for the finance team to keep the development of liquidity under control. It also allows the team to continually analyse any changes in the client’s payment behaviour or additional operating expenditure (OPEX) or urgent supplier payment.

In any challenge linked to a significant crisis, the role of communication is crucial for business success, and the AYTB team understands that very well.

The team has been able to establish communication channels with all business stakeholders to regularly inform them about the business status, and any significant development in operations or financial aspects.

The concerns of employees, suppliers and other partners are taken seriously, and all the possible measures are taken to address them.

As a forward-looking company, AYTB believes every crisis and challenge in life has positive sides as well. “As a company, we look to the current situation in its entirety and are trying to find positive aspects in it. This could include finding operating efficiencies, improving the balance sheet, and learning lessons about certain business lines or segments that the company hasn’t entered or might reevaluate in the future. We know for sure that the world after Covid-19 will definitely not be the same as before,” says Al-Harbi.

In conclusion, the prevalent times might be very stressful and would require tremendous efforts from the CFO and other senior management leaders. However, they also give them great opportunities to learn more about their own business, a chance to look into their personal development, to reflect and analyse all aspects of their lives (by looking at the bigger picture) and find valuable and missing time for their own families.

To everyone, we at AYTB, a family to trust in the toughest of times, say to you please “stay home, stay safe and save lives”.

AYTB’s head office

AYTB ... well-thought-out plan
SAUDI Ports Authority (Mawani) and Saudi Global Ports (SGP) on 19 March in a virtual ceremony signed a 30-year new build, operate and transfer (BOT) agreement with investments exceeding SR7 billion ($1.86 billion) for container terminals at King Abdulaziz Port in Dammam.

The ceremony was patronised by Prince Saud bin Nayed bin Abdulaziz, Governor of the Eastern Region and participated by Eng Saleh Al-Jasser, Minister of Transport and Chairman of the Saudi Ports Authority; Khaw Boon Wan, Coordinating Minister for Infrastructure and Minister for Transport of Singapore; Eng Saad bin Alkhali, President of Mawani; and Eng Abdullah Al-Zamil, Chairman of Saudi Global Ports.

According to the agreement, SGP will embark on a development and modernisation program to transform King Abdulaziz Port into a mega container hub and increase its capacity to an estimated annual handling capacity of 7.5 million twenty-foot equivalent units (TEUs). The project will provide more than 4,000 job opportunities in the port and logistics sector. It is a part of the continuous developments carried out by Mawani in the Saudi ports.

SGP will invest and develop key infrastructure such as berths and container handling equipment, and will more than double the existing container handling capacity of King Abdulaziz Port in Dammam. The investments will focus on environment-friendly and technologically sophisticated systems, including the adoption of automation to develop a modern Saudi workforce.

Al-Jasser says: “The continuous developments in Saudi ports will increase operational capabilities and capacity. SGP will invest $1.7 billion in infrastructure, equipment and technology, which will significantly expand its operational capabilities and capacity. The agreements signed will help to modernise and develop the King Abdulaziz Port and King Fahd Port in Dammam and Jeddah Port in accordance with the plans of the Eastern and Central Regions of the Kingdom.”

He says the agreement enhances logistics, raises the reliability of supply chains, supports local and international trade and contributes in raising the rank of the Kingdom on the logistics performance index to become among the 25 best countries around the world. The agreement, he adds, also attracts new investments to the national economy, supports local content and national industries and increase the national exports and imports that contribute to creating promising investment opportunities.

Alkhali says the total expected investments in Jeddah Islamic Port and King Abdulaziz Port in Dammam amount to approximately SR17 billion. Wan says this partnership strengthens the relations and cooperation between Saudi Arabia and Singapore, and indicates a qualitative shift witnessed at Saudi ports in their systems and procedures by launching more advanced services in its ports along the western and eastern coasts.

It is worth noting that King Abdulaziz Port is the largest Saudi port on the Arabian Gulf coast spread over 199 sq km. It has 43 berths and a capacity of 105 million tonnes. It is linked with Riyadh Dry Port by railway, which helps goods from all over the world enter the Eastern and Central Regions of the Kingdom.

The port has modern handling equipment that enables it to handle various types of cargo. It includes two advanced container terminals, one refrigerated cargo terminal, two general cargo terminals, two cement plants: one for exporting black cement and clinker and one for white cement, bulk grain terminal, iron ore handling terminal, naval vessel manufacture area and gas and oil platform. The port contains a ship repair facility that includes two floating ship docks to accommodate ships up to 215 m long. Separately, Red Sea Gate Terminal (RSGT) has officially taken over operations in the northern section of Jeddah Islamic Port, significantly expanding its operational capabilities and capacity.

In a 30-year concession agreement signed with Mawani, RSGT will invest $1.7 billion in infrastructure, equipment and technology, which will significantly expand its operational capabilities and capacity. The agreement was signed under the patronage of Prince Saud, top centre.
Continued from Page 11

By 2023, the expanded RSGT, covering an area of 1.5 million sq m, will have increased annual container throughput capacity to 5.2 million TEUs.

Already able to accommodate Ultra-Large Container Ships (ULCS) of 20,000 TEU class and above, at the end of the first three-year phase of investment, RSGT will be equipped with 24 Super Post-Panamax, quay cranes, 67 Rubber-Tyred Gantry Cranes (RTGs), and will offer 4,900 Reefer plugs.

“This carefully planned programme of growth and investment will firmly establish RSGT as the largest logistics gateway, and the busiest container terminal, in Saudi Arabia, and on the Red Sea,” says Floe.

Red Sea Gate Terminal has already signed an Islamic financing agreement with Banque Saudi Fransi and Al Rajhi Bank for the project.

RSGT will invest $1.7 billion in the Jeddah Islamic Port. Inset, Floe.
HAVING recently moved to its new 65,000 sq m facility located in Jubail, Inma Steel is now in the perfect position to capitalise on its extensive experience and expertise by catering to the fast-growing local demand and expanding market. A subsidiary of Attarck Holding, Inma Steel was first established in 1993 and has over the years built a solid reputation as the leader in custom-built process equipment and maintenance services including equipment installation, mechanical repairs, plant turnaround and shutdown services.

However, now with the new facility set to double its manufacturing capacity and Vision 2030 providing a clear roadmap, the company is looking to further deepen its local footprint.

Speaking about Inma Steel’s strategy, the company’s Managing Director, Muntaser Kalahji, emphasizes: “We have always believed in localising technology to support the oil, gas, petrochemical and mining sectors in the kingdom.

“Saudi Arabia is a burgeoning economy with all the resources needed to reach its full potential. Also, Vision 2030 has given local companies like Inma Steel the government support they needed to build strategic partnerships and bring the latest technology here. Saudi Aramco IKTV A programme have given an example of how local companies are capable of providing world class products and services.”

Furthermore, the company is also focused on increasing local content throughout its supply chain whether it be by way of collaboration; choosing local vendors and partners; or by way of investing in local human resources.

Saudisation is, therefore, not only a cornerstone of Vision 2030 but it is also a belief that Inma Steel lives by, as a way to positively contribute to its community. “We strongly urge and encourage increased local participation in the labour market of both young Saudi males and females primarily because of our own faith in local talent and its potential to transform the kingdom’s future,” Kalahji says.

Moreover, in retrospect when analysing the qualities that has helped Inma Steel maintain its position over the past 17 years, Kalahji comments: “In order to move forward successfully, it is important to remember what brought us here and, in this case, our reliability is an asset, for sure. Of all of Inma Steel’s values, I believe our emphasis on building trust with our customers has played a major role in ensuring our relationships are positive and thus, long lasting.”

This importance assigned to reliability is also reflected in the company’s strategy in handling the current Covid-19 crisis. With an Emergency Response Plan in place, Inma has been able to fulfil its commitment to support its customers including Saudi Aramco and Sabic in all their operational needs in terms of manufacturing equipment, providing products as well as maintenance services so as to ensure continuity during the crisis.

Furthermore, this notion of reliability and trust also extends to its own employees as stern precautionary measures were put into place immediately as the coronavirus threat loomed over the kingdom.

“We have procedures and policies in place to ensure we are able to meet our clients’ and shareholders’ expectations without compromising the safety of our own employees. Thus, the health of our workers is inspected daily, all offices and work-spaces are sanitised regularly, social distancing is maintained even whilst working, and priority is given to the health and safety of everyone at the Inma Steel premises,” Kalahji says.

He further comments: “For us, our promise is sacred. Our promise to provide the very best quality products and services on time for our customers, our promise to preserve the brand and make the best decisions for our shareholders, and our promise to protect the interest of our employees in all aspects. This is how Inma Steel has created a name for itself and this is how we plan on foraging ahead.”
Refineries and petrochemical complexes can benefit from Sulzer GTC’s GT-BTX technology

**UNRIVALLED SOLVENTS OF SEPARATION CHALLENGES**

While extractive distillation offers clear advantages, there is a great variability in the processes available, resulting from column design and solvent selection. Therefore, refineries and petrochemical complexes should select mass transfer specialists that can deliver optimal results in both fields.

Sulzer GTC Technology can provide support to its customers in the oil and gas industry by delivering high-quality columns and internals as well as selecting the most suitable solvents. The synergies between this group and Sulzer Chemtech’s teams lead to enhanced mass transfer capabilities in licensing process-based plant engineering and technologies.

In this context, the elevated level of expertise has led to the development of state-of-the-art combinations of solvents, known as Tectiv solvent, that substantially enhance extraction performance in GT-BTX units. In addition, they support the optimisation of the facility itself, in terms of stability and mass transfer efficiency.

Furthermore, these co-solvents allow refineries to avoid special feed preparations and handle a wide range of BTX feedstock while delivering substances with purity levels of 99.99 per cent wt. per cent or more at high recovery rates (99.9 per cent or higher).

**SINGLE POINT OF CONTACT FOR TOWER SERVICES**

Finally, refineries should choose full-service providers for aromatics recovery projects. By selecting a mass transfer specialist that can provide turnkey projects, installation and start-up activities can be streamlined and the number of subcontractors can be reduced.

By offering complete project support, Sulzer GTC is able to help businesses benefit from GT-BTX units as quickly and efficiently as possible.

Furthermore, the company’s Tower Field Services division can carry out planned and emergency repairs, design and implement upgrades on equipment from multiple vendors. In this way, it ultimately delivers continuous support in a timely manner, minimising equipment downtime and optimising its performance.

**CASE STUDY: GT-BTX FOR REVAMPS**

GT-BTX technology is supporting the revamp of a benzene production unit at a leading integrated petrochemical complex specializing in olefins in Eastern Europe.

By leveraging advanced aromatics recovery solutions, the project will turn the facility into one of the most modern of its kind and allow it to act as a hub for processing pyridine gasolines (pygas) from multiple locations.

Thanks to this revamp, the plant will be able to produce higher purity benzene and more efficiently, increase product quality while reducing production costs.

In addition, the facility will be able to recover non-aromatics for subsequent processing, thereby increasing overall in-house capabilities. Furthermore, the higher processing capacity will allow the petrochemical complex to gather full range pygas from various facilities for downstream activities.
BuildIT Construction can process data from all common 3D scanners, but also point clouds from other sources like mobile mapping systems, drones or photogrammetrically generated point clouds. The freshly poured concrete surface is captured by the 3D scanner like the FARO Focus, which sends the data to a laptop or tablet. The measurement and analysis process takes only a few minutes. The range of the device is 70 to 350 m depending on the model. This Continued on Page 16

The new BuildIT Construction version not only analyses flatness of surface but also steel structures, piping systems and tanks in real time.

**Faro software measures surfaces to exact millimetre**

**HARD CONCRETE - EXPENSIVE REMEDIES**

All over the world, analyses are required when pouring concrete floors and ceilings to prove the correct execution of construction work. The protocols supported by BuildIT Construction are used not only in the countries where they are originated but in most countries around the world.

When inspecting small areas, it is possible to measure the fresh concrete for flatness and levelness using walkable auxiliary structures that bridge the fresh area. The measurements are time-consuming; after a grid has been defined, many individual points must be measured manually.

Bridging fresh concrete surfaces with appropriate auxiliary structures is impossible when casting several hundred or even thousands of square meters of industrial floors for factories and warehouses. Until now they could only be measured when the concrete was walkable.

For this purpose, the surface is divided into a grid and the corresponding points are measured with total stations and prisms.

Other methods are the use of spirit level and measuring wedge or walking down the grid with a measuring device that is pulled on wheels behind the person measuring.

The procedures are time-consuming and error-prone, they only record grids or individual points, and the documentation and preparation of the reports is also laborious.

Worst of all, however, measurements can only be taken when the concrete is cured - far too late for corrections. Rework becomes expensive and time-consuming - if it is possible at all.

“You pour a concrete surface and a few minutes later you have recorded the surface in all details to the exact millimetre; without touching it. Then you get a visualisation of the levelness, the inclination, the deviation from your construction model, etc. It enables the contractors to fix the fresh concrete until everything is perfect. That’s it,” says Udo Haedicke, Product Manager for BuildIT with Faro.

“The documentation and the corresponding protocol are created on the site” he adds.

**MAKING MAGIC WITH SCANNER, LAPTOP AND PROJECTOR**

What sounds like magic is a workflow that consists of the interaction of a 3D laser scanner with the analysis software, BuildIT Construction.

BuildIT Construction can process data from all common 3D scanners, but also point clouds from other sources like mobile mapping systems, drones or photogrammetrically generated point clouds. The freshly poured concrete surface is captured by the 3D scanner like the FARO Focus, which sends the data to a laptop or tablet. The measurement and analysis process takes only a few minutes. The range of the device is 70 to 350 m depending on the model. This Continued on Page 16

**The First Stainless Steel Welded Mill in the Middle East**

Armetal Stainless Pipe is a Saudi manufacturer specializing in the manufacture of Stainless Steel & CRA welded pipes.

Established in 2008 to become the first and the only facility engaged in manufacturing specific range of Stainless Steel and Non Ferrous Welded Pipes in the GCC and the Middle East Region.

ASP production range covers from 1/2” to 8” in different grades and wall thickness using a state-of-the-art production line with latest European – Japanese machinery and technology.

In addition, ASP offers a wider range of complementary stainless steel products, as used predominantly in the Oil & Gas, Petrochemical, Desalination, waste water treatment, and construction sectors. ASP success is dependent on total customer satisfaction from R&D to Delivery. The Company recruits highly skilled professional people to produce high pipes and continuous technical service & support for customers.

Armetal Stainless Pipe Co.
2nd Industrial Area, P.O.Box 172, Riyadh 11383, Saudi Arabia Tel: +966 (11) 265 20 30, Fax: +966 (11) 265 03 50
Email: mghafar@armetal.com, www.armeta1ssp.com
 means that large areas can be recorded, also from various scanner locations. BuildIT Construction analyses the data according to the selected standard. The results can be visualised in different ways, as coloured areas, as sections, by labels with the measurement and analysis values, as outlines or also by diagrams.

As the process only takes a few minutes, the measurement and analysis can be carried out again immediately after fixing the issue, and the scans can be evaluated and be compared.

“In the prefabrication of concrete parts, BuildIT Construction controls also a laser projector like the TracerSI to display assembly points and geometric objects such as embeds and openings. It can also mark areas that deviate from the CAD model,” says Haedicke.

“At the 2019 Autodesk University in Las Vegas, we presented a prototype of a small mobile projector with the same functionalities. Final customer validations on their construction sites clearly show the immediate need for such a projector. They are eagerly waiting to embed the solution in their workflows to visualize deviations to wet concrete”.

ENORMOUS SAVINGS

The use of this workflow provides certainty during construction and saves reworking, which can be enormously expensive for large areas. Whereas larger tolerances can be corrected or tolerated when building small areas in private homes, they have a strong impact on the entire construction when casting large floors of apartment blocks and office buildings.

Particularly high demands are placed on the huge concrete surfaces of factory and warehouse floors. The assembly of high racks and machinery, which must stand horizontal over long distances, requires plain and level surfaces.

Unevenness would cause forklift trucks, which move loads at great heights, to swing and inclinations would make trolleys and goods roll more easily. The Faro workflow accompanying the construction not only provides documented reliability but also saves expensive repairs.

On the other hand, BuildIT helps to keep specified slopes, for example, to ensure the drainage of water, or to maintain and repair old floors. Here, too, the levelling analyses detects reliably the areas where the floors have deformed or moved.

UNIVERSALLY APPLICABILITY

Flattness analysis is only a small part of the BuildIT Construction functionality. BuildIT is universally used for construction supervision. The software not only evaluates point clouds according to various criteria, it is also frequently used to compare CAD and BIM models with reality data or to compare point clouds with each other.

Fields of application are not only quality control during construction, but also the monitoring of buildings, industrial plants, tanks and infrastructure are classical fields of application, as well as the use during the modification of existing buildings and plants.

For these purposes BuildIT Construction has numerous special functions, such as the analysis of steel structures, piping systems and tanks, which makes using the software highly profitable in all AEC industries.

The results of analysis reports can be shared worldwide as colored 3D point clouds with all relevant stakeholders leveraging FARO’s cloud service SCENE WebShare Cloud. For more information please visit http://www.builditsoftware.com/
Sabic aligns efforts with vision

Sabic, Basic Industries Corporation (Sabic), has emerged as a pioneer in the development of the circular economy—where renewables, resource conservation, waste reduction and recycling contribute to business growth, a recently released report said.

The company continued to invest heavily in the Saudi Vision 2030 and has aligned its engagement and collaboration efforts with the vision and its own goal of creating ‘Chemistry that Matters’. Sabic’s Sustainability Report 2019 covers performance over the past year and details how sustainability fits into the company’s broader global business strategy.

Titled ‘Towards a Circular Future’, the report builds on the reputation of the company as a global leader in chemicals that embeds sustainable practices not only into its own business, but also into its entire value chain.

“We are driven by concern for plastics in the environment, the search for new ways to reuse and re-purpose materials, and a desire for effective regulations, especially in packaging. These priorities have led to investments in circular product solutions and our ability to accept chemically recycled feedstock,” says Dr Abdulaziz Saleh Al-Jarouj, Sabic Chairman.

Yousef Abdullah Al-Benyan, Vice Chairman and CEO, says: “Sabic witnessed excellent progress and we continued to recognise global concerns for creating a more sustainable society. Demand for circular solutions increased this year, as did opportunities for renewable energy and regional climate regulations. We have circular economy strategies that will lead to industry-leading projects in all our global regions.”

Sabic’s impressive and growing range of circular solutions include a chemical recycling mega-project that will turn mixed plastic waste back into the original polymer; a semi-commercial, pre-treatment facility to increase the supply of chemically recycled feedstock; and the TRUCIRCLE portfolio of circular solutions, which are already helping Sabic’s customers in several key markets to reach their own sustainable goals.

On the circular economy, Sabic has embraced the ground-breaking TRUCIRCLE initiative. Its solutions encompass the company’s circular materials and technologies, including certified circular polymers from the chemical recycling of mixed plastic waste, certified bio-based renewable polymers, mechanical recycled products, and design for recyclability.

Sabic is determined to increase the amount of circular and certified products it processes in Europe to 200 kilotons by 2025, in line with an EU Commission pledge. Building on this pledge, Sabic will set a target in 2020 for global circular and certified products by 2030.

In Saudi Arabia, Sabic is enabling the government to fulfill the waste-management enables objectives of Sabic Vision 2030, including commitments to reduce landfill waste and increase collection and recycling.

The Sustainability Report highlights how Sabic works with—and is sometimes a driving force behind—international organisations that are contributing to a sustainable world and helping to tackle some of the biggest challenges facing the industry and the planet.

With climate resilience being central to Sabic’s climate and efficiency goals, the company continuously improves energy efficiency, targeting to reduce the intensity of its energy and greenhouse-gas emissions by 25 per cent from 2010 to 2025. The company also aims to reduce the carbon footprint of its products and supply chain, while advancing the deployment of renewable energy.

Reusing that it is the future, Sabic is actively transitioning to renewable energy. Its plans to install 4 gigawatts (GW) of wind and solar energy capacity by 2025 and 12 GW by 2030.

Sabic strives to maximise resource efficiency and minimise environmental impact. Last year, its global headquarters in Riyadh achieved carbon neutrality by offsetting greenhouse-gas emissions. The company continues to make progress on its goals to reduce material-loss intensity by 50 per cent and water intensity by 25 per cent from 2010 to 2025.

It is committed to reducing emissions from flaring by 65 per cent, and also reduce hazardous and non-hazardous waste to below 2010 levels, as a percentage, all by 2025.

As part of its contribution to Saudi Vision 2030, Sabic uses local materials and services where reasonably possible, and reduce its reliance on imports, by supporting capable local manufacturers and stimulating employment for the local workforce. In addition, its local sourcing strategy utilises shorter transportation routes, enables a flexible logistics strategy, and lowers carbon emission from inbound logistics.

Sabic believes that cultivating human capital plays a major role in its success. It continues to develop best human resources practices in Saudi Arabia and prepare young Saudis for the emerging labour market by advancing their skills and potential.

Furthermore, Sabic also seeks to help communities across the globe by investing in social and environmental initiatives that benefit people and the planet, while supporting sustainable business activities that benefit people and the planet, while supporting sustainable business activities and sustainable agriculture, contributing to Saudi Vision 2030 and 10 of the UN’s Sustainable Development Goals.

In 2019, Sabic invested more than $15.6 million into CSR initiatives that meet these criteria – 185 programmes in 103 cities and 22 countries. Some 2,531 Sabic volunteers contributed a combined 10,874 hours, benefiting more than 340,000 people worldwide.
Committed to Vision 2030

Companies in Saudi Arabia have set out goals in line with the Kingdom’s ambitious Vision 2030 that include manufacturing locally through IKTVA initiatives, streamlining logistics and supply chains, decreasing emissions, rolling out training programmes for Saudis, and increasing Saudisation in their workforce.

**Alkhorayef Petroleum**

At Alkhorayef we are proud to be made in Saudi and we are fully committed to the ambitions set out in Vision 2030. For over 35 years, we have provided electrical submersible pumps (ESP) to the oil and gas and water industries from our headquarters in Dammam. We have grown to become a diversified oil service company with Artificial Lift, Cased Hole Wireline and Production Facilities divisions and export to 31 countries across the Middle East, Latin America, Africa and Asia.

At Alkhorayef we are ‘Always Advancing’ and have been investing in sourcing and developing the finest Saudi talent at every level. We have implemented a career development program to nurture the next generation of leaders and we champion female nationals in a range of FIR, financial, commercial and technical roles, most recently in the motor manufacturing, where a female team hand wind all Alkhorayef motors. We are also constantly working, in step with the IKTVA program, to enhance the local supply chain and expand our in-country Research and Engineering (R&E) capabilities, doing all we can to develop local competencies and keep our profits in Kingdom. We too have ambitious goals and embracing Vision 2030 is a key strategy in realising our aggressive international expansion plans.

— Rayyan Mofty, Vice-President Middle East

**Baker Hughes**

Baker Hughes has more than 80 years of presence and partnerships in Saudi Arabia, and we continue to build on our presence as an energy technology company adding value to our partners. We’re contributing to the Saudi Vision 2030 through technology development, talent growth and localisation of our products and services to strengthen our footprint; as well as deliver focused solutions to address customer and industry challenges.

When it comes to the way we work, we are reducing the carbon intensity of our operations, applying proven low-carbon technologies to help our customers meet their environmental goals, and innovate for the future of the energy industry. We are also collaborating with our customers to utilise these technologies and explore new industries to tap into. Our non-metallic joint venture with Saudi Aramco is a great example of how we are transferring knowledge and utilising non-metallic materials to help reduce emissions, contribute to better efficiency and reliability. It also has the potential to apply this expertise into other industries, supporting the diversification of Saudi’s economy. Lastly, our focus on additive manufacturing and digitisation of our everyday operations will be a game changer for the industry and support better outcomes for the customers.

— Zaher Ibrahim, Vice-President, Saudi Arabia, North Gulf & East Mediterranean

**Endress+Hauser- Saudi Arabia**

Saudi Arabia’s Vision 2030 is a solid road map for the Kingdom’s future, challenging the traditional observes and driving to create a new norm.

It is proposed to be a transformational procedure that in the long term will have a great impact on the nation’s economy, culture and society.

In my opinion, the principle driver of the vision is that Saudi Arabia has vast potential to develop its non-oil economy and focusing on downstream activities would bring in some of the expected results.

Keeping this in mind, Endress+Hauser took a big step forward back in 2018 and invested $4 million in building a state-of-the-art calibration and training center in Jubail, drawing on our intrinsic strengths to support the Saudization drive.

Endress+Hauser continues to practice equal opportunities at workplace and diversification of workforce, encourage sustainability and safety, and is committed to the Saudi Vision 2030 in more ways than one.

— Mohamed Abdellah, Managing Director

**Applus+ Middle East & Africa**

Applus+ in Saudi Arabia is proud to be involved in the Vision 2030 plan through a number of projects and initiatives. We are committed to creating over 200job opportunities for Saudi nationals over a five-year period, and have developed and implemented a comprehensive training programme for Saudi youth.

We are developing a capacity building programme for employees of the Ministry of Environment, Water and Agriculture, and training young Saudi civil engineers at the Ministry of Transport.

Applus+ is also actively working with the Ministry of Municipalities and Rural Affairs to develop quality assurance systems to improve the cleaning services in the cities. We train inspectors from the Waste Management and Cleaning Departments of the Kingdom’s municipalities.

Additionally, Applus+ has helped more than 130 Saudi trainee engineers to qualify as Aramco-approved Technical Specialists and Quality Inspectors. Applus+ is working on major infrastructure and transportation projects, including the Riyadh Metro Project. We are fully committed to and compliant with IKTVA stipulations and have successfully increased our IKTVA score from 27 per cent in 2018 to 42 per cent in 2019, according to 3rd party IKTVA audits.

— Brian Dawes, Executive Vice-President
Total Safety

Total Safety fully supports Vision 2030 and the related In-Kingdom Total Value-Add (IKTV) and Saudisation programmes. We are teaming up with schools and universities to have more Saudi nationals working for us and have a very active hiring programme. Our business grows steadily, so we are always looking for high potential Saudi employees.

Employees get a full internal training programme to learn all aspects of our integrated safety solutions that we offer to our customers. Whether it is in business support, sales, administration or operations, we guide our employees to be successful in their job and provide sustainable learning to grow.

— Peter van der Slaa, General Manager MEA

NOV Completion & Production Solutions

The Kingdom of Saudi Arabia is a key player in the oil and gas sector in the region and the world. The country provides a healthy investment atmosphere associated with its leveraged geographical positioning. NOV has for decades dictated its investments and local manufacturing capabilities for the upstream industry. In the past few years, several incentive programs have emerged, including but not limited to Saudi Vision 2030, which provided a platform of incentivized growth in local manufacturing and a base of young local professionals.

Our manufacturing capabilities in Saudi Arabia have reached out to leverage most of the drilling and production echo system, whereas our investments in Saudi Arabia have grown over $250 million representing a 150 per cent increase from 2015 to the present day. As such, these investments have leveraged the development of Saudi local suppliers and most importantly the development of the female and male pool of talent. Hence, development and training programs have been put in place and are applied and upgraded continuously.

Our further future short-, medium- and long-term outlook to Saudi Arabia is clearly headed towards more investments in local manufacturing capabilities and the target goal is to achieve over 70 per cent localization.

— Rami Bakie, Vice-President Operations Middle East & North Africa

S.A. TALKE

The Kingdom of Saudi Arabia is undergoing unprecedented transformation due to Vision 2030 led by His Royal Highness Prince Mohammed Bin Salman. The speed and depth of this change is truly amazing.

We can clearly feel the positive impact on the ground. Mega infrastructures are being built, downstream industries and manufacturing development have picked up speed, and digitalisation of government support services is now at its best.

Saudi Arabia is encouraging and supporting private investment as part of its diversification programme.

Certainly, logistics plays a major role in the economic success of countries. It is the delivery vehicles of goods and services internally and an enabler of international trade.

And Prince Mohammed has placed high emphasis on this critical industry.

We are witnessing several state-of-the-art logistcics parks being developed, network connectivity is being brought up to international standards, and major road and rail are all taking shape now. This will play a major part in improving the logistics sector.

S.A. TALKE supports and participates in achieving Vision 2030. We are focusing on attracting and training Saudis in our field and increase their participation in every aspect of our business.

We have further diversified by creating employment opportunities for ladies—a successful venture which we would like to expand in the future.

On the investment aspect, we have committed to develop a 300,000 sq m logistics park in Jubail. This will include temperature controlled warehouse space, specialised DG storage and ambient storage space. This major investment cements our confidence in vision 2030 and our ongoing support of the local economy.

Saudi Arabia has opened its doors to the world and is still rapidly changing. I am confident that the future ahead is bright, and this transformation will turn Saudi into a global economic powerhouse in its own right.

— Makkhouf Benzahia, Managing Director

Halliburton

Halliburton stands firm in its commitment to the Saudi 2030 Vision through ongoing efforts to increase workforce nationalisation, local content sourcing, and employee development.

In the last year, we attained our first workforce nationalisation target of 70 percent, commenced in-house manufacturing of downhole assemblies and developed 42 local vendors to supply parts and completed products for our operations in the Kingdom and around the world.

Our in-country technology team also engineered innovative new solutions for the Saudi market enabling us to move away from some imported products.

Additionally, we are excited to open the new Halliburton Chemical Manufacturing Reaction Plant in Saudi Arabia in the coming months. Upon the facility’s completion, we will be able to begin local manufacturing of specialty chemicals that will help our customers maximise production from the reservoir to refinery and more. It is our largest capital investment ever in chemicals manufacturing and is an excellent example of our commitment to the Saudi 2030 Vision.

— Scott Regimbald, Vice-President, Saudi Arabia

LogiPoint

LogiPoint is an award-winning developer and operator of Bonded and Re-Export Zones and Logistics Parks in the Kingdom. The company has a rich history of over 20 years of bringing innovation, efficiency and operational excellence to the Saudi Arabian logistics sector and continues to play an important role in attracting international investment into the Kingdom’s supply chain and logistics market.

LogiPoint has evolved into a unique platform for local and international collaboration in the field of logistics and supply chain management and is thus playing an active role in transforming the Kingdom into an international multimodal logistics hub in line with Vision 2030.

LogiPoint works extensively with the industry stakeholders including regulatory bodies, logistics and 3PL companies, importers, exporters as well as traders to continuously anticipate and address the needs of the market.

With an eye on the objectives laid out in Vision 2030, LogiPoint is developing the logistics infrastructure of the future through its many Logistics Parks and Zones across the Kingdom, while also highlighting the highly lucrative business opportunities in the Kingdom to the international logistics market.

— Farooq Shaikh, CEO

GSCCO

Gulf Stevedoring Contracting Company (GSCCO), a subsidiary of the Gulftainer Group of companies, has been operating in Saudi Arabia for 35 years.

During this time, the company has operated 20 port and logistics concessions across the Kingdom and moved over 35 million containers, leading the development and economic growth of the Kingdom.

With the announcement of His Majesty’s 2030 Vision and under the National Development Logistics Program, the company is further investing in port and logistic operations to handle increased volume of containers, vehicles, bulk and project cargo, supporting the oil and gas and manufacturing industries in the Eastern Province and Yanbu.

Through Gulftainer’s Momentum Logistics and GSCCO, we are able to provide an end-to-end supply chain service solution offering trucking, customs clearance, port operations, yard storage, distribution, and document management.

The Gulftainer Group of companies is providing its assets and experience to deliver the 2030 Vision, making Saudi Arabia the primary logistics hub of the region, and enabling it to take its rightful place at the heart of the world’s supply chain.

— Jason French, Managing Director
ALAR ensures stable hydrogen supply

With hydrogen tipped as the fuel of the future, producers like Air Liquide Arabia are tapping into its potential to play a key role in a clean, secure and affordable energy for tomorrow.

Air Liquide Arabia (ALAR) is Saudi Arabia’s leading hydrogen partner, with the infrastructure, capabilities and experience to deliver on its promises on innovative gas solutions and efficiencies and help Saudi Arabia to sustain its energy leadership.

Formed in 2007 as a joint venture between Air Liquide and TAQA (Air Liquide is majority shareholder with 65 per cent shares), ALAR was the first company to introduce hydrogen networks in the kingdom. Today it runs an unvilled hydrogen pipeline infrastructure stretching a total length of 37 km and having a total hydrogen transport capacity of over 500,000 Normal cu m per hour each on both coasts. It hosts operations in Jubail, Yanbu and Qarayyah.

ALAR uses cutting edge technology to produce, store and help customers in Saudi Arabia use hydrogen in the most efficient way possible, resulting in feedstock savings of 20 per cent and the recovery of underutilised hydrogen from off gases that saves 20 per cent of carbon dioxide (CO2) emissions.

“We are a partner to the Kingdom in achieving Vision 2030. Our hydrogen infrastructure and industrial gas solutions and technologies have delivered strong performance and value to our stakeholders in the Kingdom over the last decade,” ALAR Olivier Randet, Vice-President, Middle East and India Cluster - Air Liquide, tells Abdulaziz Khattak of OGN.

But what is it about hydrogen that makes it seem like a favourite element?

Well, for one, hydrogen plays an important role in the oil and gas industry, particularly during the refining process. Refiners use hydrogen to process crude oil into refined fuels such as gasoline and diesel, and for removing contaminants such as sulphur, which helps prevent acid rain.

Hydrogen is also used in the petrochemical industry for the conversion of various basic feedstocks into intermediate and final products. In the polysilicon industry, manufacturing facilities require large amounts of hydrogen to react with trichlorosilane gas to produce silicon.

But Hydrogen is also dubbed as the fuel of the future and can play a critical role in lowering carbon emissions globally. The Hydrogen Council recently suggested that hydrogen could meet 18 per cent of the world’s energy demand by 2050, and contribute to 20 per cent of the abatement required to limit global warming to 2 deg C while creating a $2.5-trillion market that would create 30 million jobs.

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Randet says hydrogen is critical to a clean, secure and affordable energy future and has huge potential to lower CO2 emissions across sectors in the Kingdom and the Middle East in general, including long-haul transport and chemicals.

Technologies can enable hydrogen to produce, store, move and use energy in different ways. Hydrogen can also store energy from renewables, which is a space that is gaining traction in the region. This is true for the southern hemisphere, where the exposure of the sun allows to produce greater energy from renewables and therefore potentially opening up export opportunities, Randet says.

In a shifting energy landscape and the transition to a circular carbon economy, Hydrogen’s role is seen as crucial.

INFRASTRUCTURE IN YANBU

ALAR’s hydrogen infrastructure in Yanbu consists of a global scale hydrogen production site of 340,000 Normal cu m per hour, purification unit and 5 purification trains that need it in Jubail I and II. As an early investor in the Kingdom, Randet says ALAR will keep developing its infrastructure to supply growing hydrogen needs and contribute to the development of Saudi Arabia’s industrial sector.

Its pipeline networks are also significantly contributing to Saudi Arabia’s downstream investments and localisation drive.

“With Saudi talent learn and grow, ALAR offers learning and development programmes in addition to partnering with renowned universities aiming at developing national talent and helping them flourish in their careers.”

“Our IKTV score of 62 per cent and Saudisation rate of 60 per cent with an annual increase of 5 per cent is a testament to our efforts. In fact, we are the only company among our competitors to have an IKTV score,” says Randet.

COMMITMENT TO VISION 2030

ALAR’s disciplined approach to investment, and its development of hydrogen production and recovery allow it to help optimise the Kingdom’s natural resources, reduce its CO2 footprint and contribute to a low carbon society, all contributing to Vision 2030.

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