

THE PIONEER

THE MAGAZINE OF QATARGAS OPERATING COMPANY LIMITED

ISSUE 144 / APRIL-JUNE 2014

LAFFAN REFINERY 2 STONE LAYING

**HIS HIGHNESS THE EMIR SHEIKH TAMIM BIN HAMAD AL THANI
LAYS FOUNDATION AT SPECIAL CEREMONY**





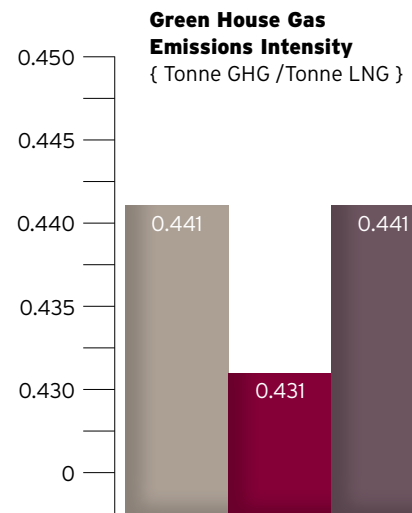
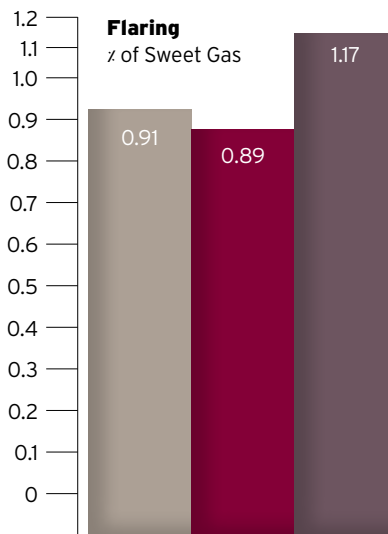
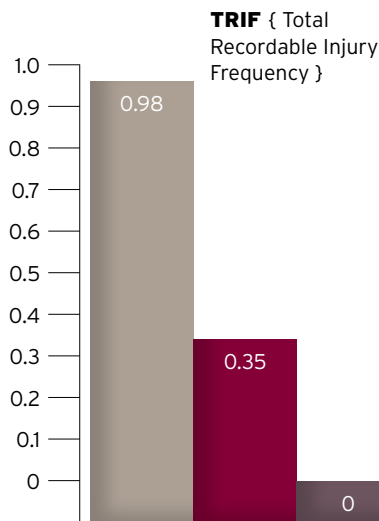
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QATARGAS

QATARGAS CORPORATE SCORECARD

YEAR TO DATE MAY 2014 

SHE PERFORMANCE

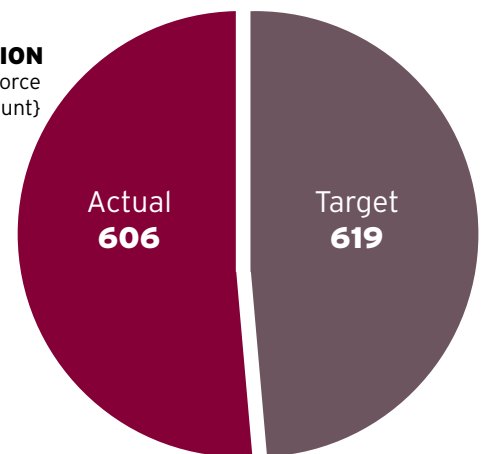
Qatargas outperforming industry



Industry Average
Actual
Target

QATARIZATION

A High Calibre and Diverse Work Force
{Total Headcount}



EFFICIENT AND RELIABLE OPERATIONS

	Industry Average	Actual	Target
LNG Reliability	96.5%	98.8%	97.4%
LR Reliability	98.5%	98%	98.8%
Expenditure VS Target	N/A	90%	N/A

CUSTOMER SATISFACTION

	Actual	Target
Reliable Deliveries	100	100
Positive Responses to Customer Change Requests	85	85

FINANCIAL PERFORMANCE

	Actual	Target
Sales Volume VS Target	126%	N/A



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DOUBLING CAPACITY

A MESSAGE FROM H.E. DR. MOHAMMED
BIN SALEH AL SADA MINISTER OF
ENERGY AND INDUSTRY



**Dr. Mohammed
Bin Saleh Al Sada**
Minister of Energy
and Industry

On the first of April 2014, His Highness Sheikh Tamim Bin Hamad Al Thani, the Emir of the State of Qatar, laid the foundation stone for Laffan Refinery 2 (LR2).

In doing so, His Highness the Emir further consolidated Qatar's commitment to achieving its National Vision, and the aspiration to optimise the development of our natural resources and advance our strategic commitment to energy sustainability.

To this end, Qatar places strong emphasis on the continued development of the downstream refining sector, with the clear objective of creating enhanced opportunities for the production of intermediate and derivative products to satisfy increasing local demand and create new markets.

The Laffan Refinery project is part of an integrated development program being implemented by all active parties in Qatar's energy and industry sector to enhance our capability to fulfill diverse energy needs.

The LR2 is the second of its kind to be built in Qatar since Laffan Refinery 1 (LR1) was inaugurated in 2009. When completed as scheduled in the second half of 2016, LR2 will double the current refining capacity of the Laffan Refinery to about 300,000 barrels per day, and solidify Qatar's position as the largest condensate producer with the largest condensate refining capacity in the world. Together, LR1 and LR2 will be capable of processing about 40 percent of the condensate produced from Qatar's North Field.

The new refinery will create added value and expanded economic opportunities by enhancing our export capacity, and fulfilling the long-term needs of international markets.

The LR2 project is only the latest in a series of outstanding world-class energy projects implemented by Qatargas since it was established.

I congratulate and commend the Qatargas management and employees for their unparalleled record of flawless delivery of projects, and for the high level of their operational excellence. I have full confidence in their ability to deliver and operate the LR2 project to the highest of world-class standards.

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PIONEER

THE MAGAZINE OF QATARGAS OPERATING COMPANY LIMITED

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OPERATIONAL EXCELLENCE

KEY TO FLAWLESS PROJECT DELIVERY

With the Laffan Refinery 2 stone-laying ceremony by His Highness The Emir, Qatargas celebrated the launch of yet another world-class project in the company's history, the latest in a growing series of world-class multi-billion dollar projects that Qatargas has been entrusted to deliver by its shareholders. Execution of the refinery expansion is a strategic investment that will contribute to diversify the utilisation of Qatar's hydrocarbon resources and will deliver high quality fuels for local and international markets.

The Laffan Refinery 2 project is really a set of related projects. For example, it includes a gantry facility of strategic importance to the State of Qatar as it creates vital new infrastructure for the distribution of diesel by truck to the domestic market. The Diesel Hydrotreater (DHT) unit, in operation since the end of April this year, is processing light gasoil from LRI and LR2. And, still under construction, the Ras Laffan Gasoline and Aromatic Project will be managed and operated by Qatargas on behalf of Qatar Petroleum to produce gasoline for export and also to meet local demand.

Looking back at our history of large-scale projects, the 2002 Debottlenecking project raised Qatargas' LNG production from around six million tons per annum to 10 million tons per annum - a substantial development at the time.

This project was followed by the construction of Qatargas 2 (QG2) with its two giant mega trains - the largest in the world. Notably, QG2 was the first integrated LNG value chain developed by one company from well head to market. QG2 was followed in quick succession by Qatargas 3 and Qatargas 4 turning the Company from a relatively small LNG producer into the world's largest supplier of LNG. Each of these huge multi-billion dollar expansion projects were momentous, groundbreaking undertakings in the LNG world which turned Qatargas into a challenging test bed for world-class projects and a globally-recognised incubator of specialised project expertise.

Turning to more recent developments, the Jetty Boil Off Gas Recovery (JBOG) Project due for completion later this year is a USD 1 billion investment and the largest of its kind in the world. When fully operational, JBOG will recover the equivalent of some 0.6 million tons per annum of LNG - enough gas to power more than 300,000 homes.

The Plateau Maintenance Project (PMP), another major Qatargas project to be delivered in 2014, will ensure that the



Khalid Bin Khalifa Al Thani
 Chief Executive Officer

production capacity of Qatargas 1 is maintained at 10 million tons of LNG per annum.

Such projects - and there are others - are proud testimony to Qatargas' increasing reputation for flawless delivery of projects. They are a result of a high-calibre workforce of dedicated professionals performing as a team with an exceptional level of proficiency in completing the tasks necessary to result in success. While the completion of such momentous projects is often the headline, the real enduring story is about the company's unique workplace philosophy, commitment to safety and operational excellence.

RAS LAFFAN 2 STONE LAYING

His Highness the Emir of Qatar Sheikh Tamim Bin Hamad Al Thani formally laid the foundation stone for Laffan Refinery 2 at a special ceremony held in April at the Qatar National Convention Centre in Doha.



Qatargas has successfully delivered a series of world-class projects that uphold our commitment to technical and operational excellence while maintaining the highest environmental standards." - Khalid Bin Khalifa Al Thani, Chief Executive Officer, Qatargas.



Laffan Refinery 2 will effectively double the condensate refining design capacity of the Laffan Refinery Complex to 300,000 barrels per day, solidifying the country's unique position as the largest condensate producer with the largest condensate refining capacity in the world.

Alongside H.H. the Emir Sheikh Tamim Bin Hamad Al Thani, government ministers, key executives and honoured guests also attended the ceremony. At the inauguration, H.E. Dr. Mohammed Bin Saleh Al Sada, Ministry of Energy and Industry of the State of Qatar explained how the new refinery represents another step on the path to achieving the Qatar National Vision 2030.

The Laffan Refinery Project aims to build a bridge between present and future generations by optimising Qatar's natural resources and fostering sustainable growth. Laffan Refinery 2 (LR2) is a joint venture between Qatar Petroleum (QP), Total, and Japanese energy companies Idemitsu, Cosmo, Marubeni and Mitsui. Qatargas Operating Company Limited (Qatargas), as with Laffan Refinery 1 (LR1), will operate LR2. The construction works are scheduled for completion by the third quarter of 2016.

Expansion projects

The LR2 project, located at Ras Laffan Industrial City, will add to Qatargas' integrated value chain and will generate revenue from supplying the refined products into domestic and export markets.

The Laffan Refinery processes condensate, an associated product to natural gas liquefaction, that is refined into a number of high-quality products, which can be used as lower emission fuels, and feedstock for petrochemical production. All products will be hydrotreated to reduce the content of sulphur, meeting the most stringent quality standards.

Qatargas Chief Operating Officer, Refinery Ventures Salman Ashkanani told *The Pioneer* that LR2 Shareholders requested Qatargas to manage the LR2 expansion and associated projects because of its success in building the first condensate refinery in Qatar at Ras Laffan, Laffan Refinery (LR1) and because of its reputation in delivering respective large-scale projects successfully.

"With our track record of operating multiple projects safely, reliably and efficiently over the years, we are pleased to have been entrusted to deliver and operate LR2," said Salman. "Upon its completion, Qatar will have the capacity to process approximately 40 percent of the condensate from the North Field. This significant achievement will be a catalyst for further economic stability."

The LR2 project consists of three separate refinery expansion projects: the Receiving and Loading Facility (RALF), the Diesel Hydrotreater (DHT) facility, (which is located inside the LR1 boundary but will process gasoil from LR1 and LR2), and the LR2 Refinery project itself.

Since the start up of LR1 and the RALF facility, the State of Qatar has not imported any diesel from outside of the country and now with DHT start-up, DHT is producing far more environmentally-friendly diesel for consumption within the country (see following DHT article).

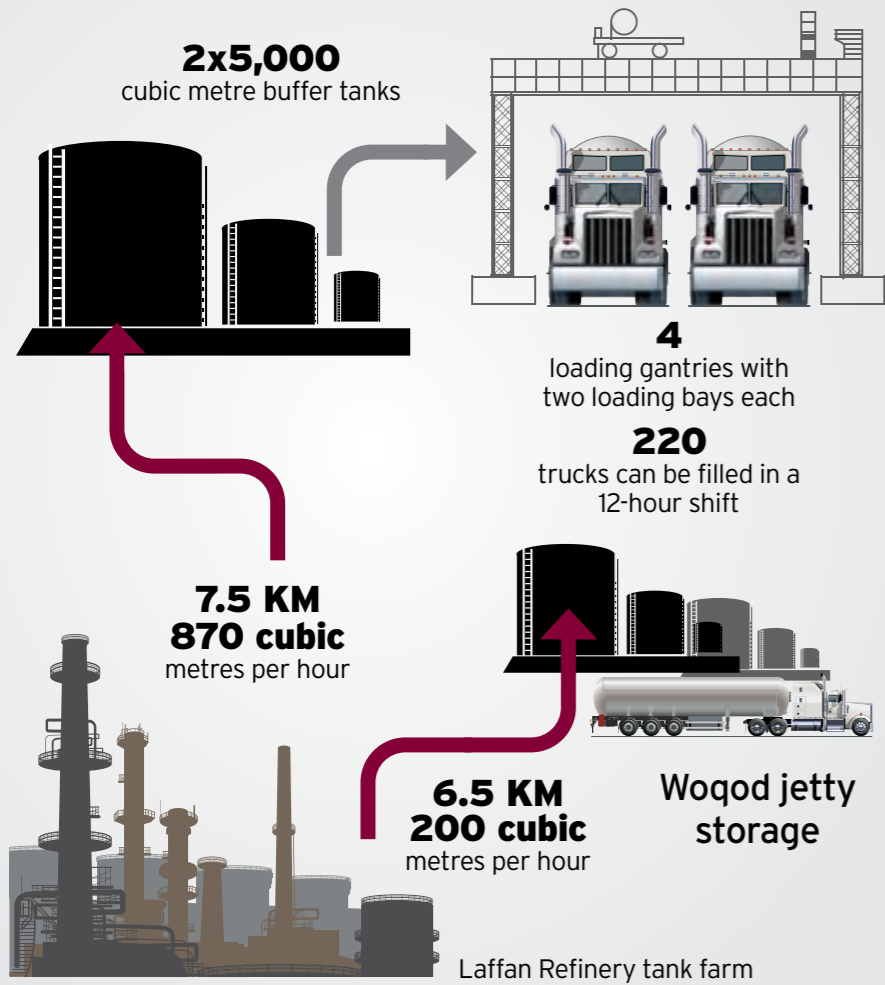
The RALF project exists primarily to assist the state in distributing the diesel by truck and consists of two pipelines and a truck loading facility. Completed and handed over to Woqod in 2011, this component of the project was executed without a single lost time incident (LTI) over the course of 23 months, on time, and within budget.



حفل وضع حجر الأساس لمشروع مصفاة لفان ٢
١ أبريل ٢٠١٤

Alongside H.H. the Emir Sheikh Tamim Bin Hamad Al Thani and H.E. Dr. Mohammed Bin Saleh Al Sada, Minister of Energy and Industry of the State of Qatar, government ministers, key executives and honoured guests also attended the stone laying ceremony.

RECEIVING AND LOADING FACILITY PROJECT



The RALF gantry, which transports the finished refinery products within Qatar consists of two pipelines and a truck loading facility and was executed without a lost time incident (LTI) over 23 months, on time and within budget."
- Salman Ashkanani, Chief Operating Officer Refinery Ventures.

The RALF facility receives product from the existing Laffan Refinery and allows Woqod to distribute gasoil via trucks to various domestic locations. This facility consists of two 5,000 cubic metre buffer tanks, four loading gantries with two loading bays each, and several buildings. The RALF project also provided Woqod the capability to receive gasoil at their existing marine terminal in the Ras Laffan port from the Laffan Refinery product tanks, through a 6.5 km pipeline. The DHT facility was commissioned in spring 2014 and was recently executed within budget and without an LTI. The

DHT physically sits inside the Laffan Refinery fence-line and is designed to convert 54,000 barrels per stream day of light gasoil to ultra-low sulphur diesel with less than 10 parts per million (ppm) of sulphur.

Initially when the DHT is fully online it will run at 50 percent capacity by processing light gasoil from the existing LR1. As the LR2 Refinery is brought online, the production rate will double. The project's start date was September 2011 and the total expended man-hours stands at more than 5.6 million.

"This facility has been in operation since May 14," said Salman, "and now we are working with QP on phase two, the kerojet for aircraft, in which we are going to have a storage tank and a pipeline from Ras Laffan directly to Hamad International Airport...with expanding demand, we will be self-sufficient within the State of Qatar."

The final stage of the Laffan Refinery 2 expansion is the LR2 Refinery project. It is currently in the Engineering, Procurement, Supply, Construction and Commissioning (EPSCC) phase. This project has taken approximately three years to get to its present state and configuration and the EPSCC contract was recently awarded to a joint venture of CTCL of Taiwan and Chiyoda of Japan. The design capacities are very similar to LR1 and will double the current condensate processing. Q



Qatar Petroleum requested Qatargas to manage the LR2 expansion and associated projects because of its success in building the first condensate refinery in Qatar at Ras Laffan, Laffan Refinery 1.

Quotes from dignitaries

"This refinery is part of an integrated development programme being implemented by all active parties in the energy and industry sector in Qatar to enhance our capability to fulfil diverse energy needs. We in the energy sector and in Qatar Petroleum in particular, are fully committed to utilising our hydrocarbon resources and employing the huge potential of our petrochemical and manufacturing industries to achieve the growth and development that our beloved country and its wise leadership aspire to." - **H.E. Dr. Mohammed Bin Saleh Al Sada, Minister of Energy and Industry for the State of Qatar.**



"Qatargas is grateful for the confidence placed in us by the shareholders as we initiate the Laffan Refinery 2 project. Over the years, Qatargas has successfully delivered a series of world-class projects that uphold



our commitment to technical and operational excellence while maintaining the highest environmental standards. Once again we bring together industry leading partners to stimulate further economic growth for the country and deliver increased value to our people and shareholders." - **Khalid Bin Khalifa Al Thani, Chief Executive Officer of Qatargas.**

"As part of Qatar Petroleum's vision and mission we are paying special attention to the development of the downstream petrochemical and refining sector with the clear objective of creating additional opportunities for the production of intermediate and derivative products to satisfy the increasing domestic demand and create new markets for the country. We value our partnership with Qatargas and the various stakeholders. We look forward to continuing our collaboration with Qatargas on joint projects which foster sustainable growth."

- **Mohammed Bin Nasser Al Hajri, Qatar Petroleum Director of Downstream Ventures.**





Thanks to comprehensive cooperation between the various stakeholders involved in the project, the Diesel Hydrotreater (DHT) facility at Laffan Refinery was recently completed under Qatargas' auspices, three weeks ahead of schedule, 10 percent below budget and with a clean safety record.

The first of its kind in Qatar, the successful start up of the new DHT facility underpins the refinery's reputation for the world-class execution of hydrocarbon projects.

"I am extremely happy to welcome this new asset into the Qatargas family," Qatargas CEO, Khalid Bin Khalifa Al Thani said. "The introduction of ultra-low sulphur diesel to our economy is a major step forward for our environment and is a critical component of the State of Qatar's 2030 vision. In particular I would like to recognise the efforts of our people who have demonstrated exemplary teamwork in order to complete this project safely within the schedule and budget."

Project completion

Completion of the project and achievement of the start-up in April marks the successful execution of a 32-month schedule, which began in September 2011 with the selection of Samsung Engineering and Construction Ltd (SECL) as the main contractor, and culminated with the start-up being declared in April.

It was a process that took careful consideration and planning every step of the way, something exemplified in every such Qatargas project. Before the project began, the statement of requirement was specified detailing the scope of work.

This information was taken and developed by the project team using proven Qatargas methodologies, such as Integrated Project Management System Solutions (iPMS) as well as established company procedures and processes and execution plans.

Indeed, efficient management and clear communication between all those involved, as well as a supreme focus

on safety, were key in the resounding success of this project as well as those preceding it, such as the RALF project.

Teamwork and depth of experience within the team have played major roles in the success of the DHT project. It is an acknowledged fact that the team has worked very hard to deliver efficiencies and exploit synergies and opportunities within the scope of work.

Included in the process, which ultimately led to its completion ahead of schedule and under budget, is a concept called "value engineering", which in a quarterly dedicated meeting, offers everyone an opportunity to suggest or introduce new ideas that might add value when it comes to safety, operation, cost, or schedule. This, in fact, comes directly from the theme of Qatargas: doing the work the right way - but also listening to others while the work is going on.

Entering operational phase

In January 2014, the DHT Project started receiving permanent 20 kV Power from the Laffan Refinery electricity network, marking an important milestone in the project's progress as it preceded another busy period of work packages within the Laffan Refinery 1 (LR1) planned shutdown.

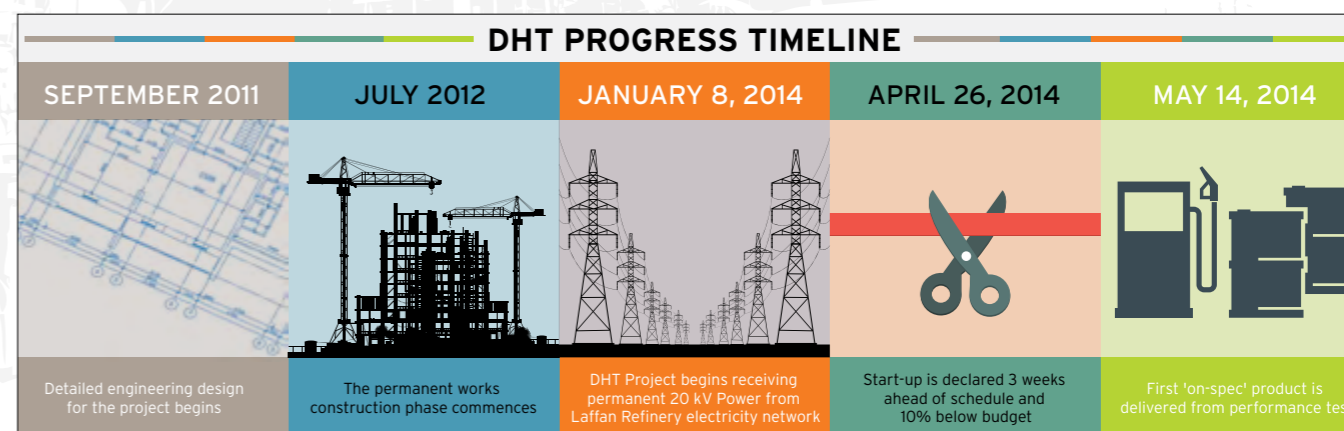
And now, upon entering its operational phase the DHT unit is set to produce diesel for exclusive consumption in Qatar with less than 10 parts per million (ppm) of sulphur, with methodology under licence from a Danish firm (Haldor Topsoe) and exceeding the 'Best in Class' Euro 5 Specifications.

Accordingly, much of the diesel being produced previously had more than 1000 ppm of sulphur. However, in accordance with the Qatar National Vision 2030, and specifically one of its pillars, environment and health, the DHT diesel project is set

The newly opened DHT facility at Ras Laffan.

DHT PROJECT START-UP

THE LAFFAN REFINERY VENTURE HAS CELEBRATED THE SUCCESSFUL START-UP OF ITS NEW DIESEL HYDROTREATER UNIT WITH BREAKING RECORDS





Laffan Refinery 1.

good experience for them, a vital way of developing and enhancing and allowing Qataris to contribute, which is very important to Qatargas.

The operations of the DHT plant and running of the DHT facility were absorbed into the refinery operating team without adding any manpower and this kind of efficiency is why it is one of the most profitable refineries in the world.

The DHT Project Team will now head into the summer and take some well-earned leave before being transferred to new Qatargas assignments.



to produce even less than the benchmark of 10 ppm diesel.

The DHT project has just started production and the results show that the diesel being produced here is less than 5 ppm, so there is almost no sulphur. This is being called 'sweet diesel'. In fact, if one is driving behind a car running this diesel, no smoke will be noticed and there will be almost zero sulphur in it.

It may be mentioned that Qatargas is the first to build such a facility here in the region.

At first the DHT facility will operate at 50 percent capacity receiving feedstock from LR1 and then later at 100 percent capacity when LR2 comes on stream. At that time the DHT unit will process 54,000 barrels per stream day of straight run light gas oil feedstock.

Health and safety first

The safety performance record of the project is another achievement that warrants recognition and has set a solid precedent and foundation upon which to continue this approach to future projects.

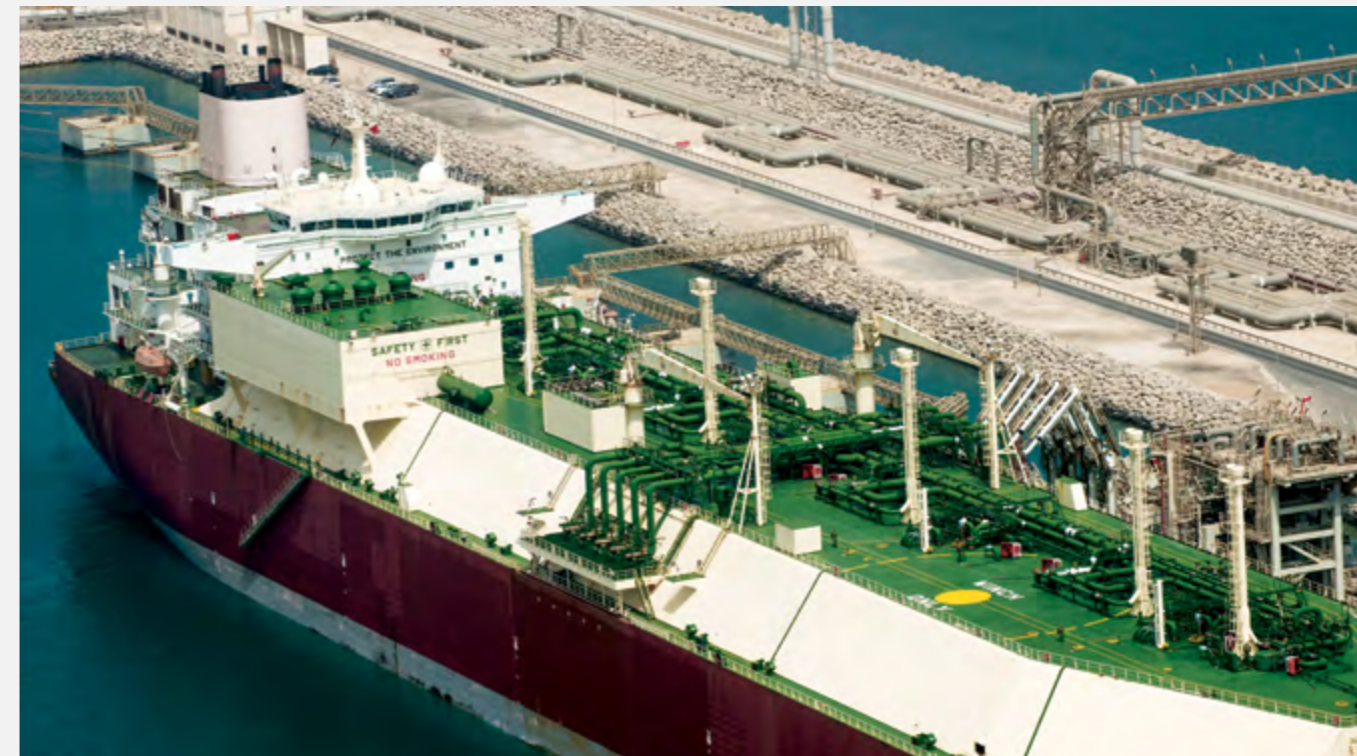
The Qatargas Project Management Team together with the EPC Contractor adopted an integrated approach to safety on the project that involved working closely with the workforce in a collaborative manner to achieve excellent health and safety outcomes for all associated employees.

Qatargas believes that all incidents are preventable and that everybody is important in the project regardless of his rank. There is open communication with all ranks of workers and attention is paid to their accommodation, food and training. Moreover, any contractor that works with Qatargas has only one concern: the high safety standards which is a culture built over the years and whenever a project is started or executed, during the first four months Qatargas takes effort to reinforce this.

In terms of the execution of the project, one critical factor has been the involvement of nationals. DHT has been started in the presence of young Qataris in operations, with support from management and contractors. This was

QATARGAS 2 AND KUWAIT PETROLEUM CORPORATION SIGN AGREEMENT FOR DELIVERY OF LNG CARGOES IN 2014

In a significant development for LNG trade in the region Qatargas 2 to supply Kuwait Petroleum Company with eight cargoes of LNG in 2014.



Qatargas Q-Flex carriers will transport LNG to Kuwait in 2014.

Qatar Liquefied Gas Company Limited (2) (Qatargas 2) and Kuwait Petroleum Corporation (KPC) have executed an agreement to supply KPC with liquefied natural gas in 2014. Under the agreement eight LNG cargoes will be delivered to Kuwait by the end of the year.

The LNG is sourced from Qatargas 2 - Train 4, a joint venture between Qatar Petroleum and ExxonMobil which started production in 2009, and delivered on board Q-Flex LNG Vessels to KPC's Mina Al Ahmadi LNG receiving terminal in Kuwait.

His Excellency Dr. Mohammed Bin Saleh Al Sada, Qatar's Minister of Energy and Industry, hailed the conclusion of this recent agreement, stating, "This is a very important milestone in Qatar's standing as a reliable energy supplier as it marks the first direct agreement between the two companies and the first ever deliveries of LNG to Kuwait onboard Q-Flex vessels. It marks a significant development in LNG trade in the region and demonstrates the readiness of the State of Qatar to meet the growing demand for LNG in the world, especially in the region," Dr. Al Sada added.

Khalid Bin Khalifa Al Thani, CEO of Qatargas Operating Company Ltd., reinforced the significance of the agreement, saying "The signing of this agreement with KPC marks yet another accomplishment for Qatargas as it continues to play a key role in the Middle Eastern market and positions itself as a world leader in the supply of energy to global markets."

This is a very important milestone in Qatar's standing as a reliable energy supplier as it marks the first direct agreement between the two companies and the first ever deliveries of LNG to Kuwait onboard Q-Flex vessels." - H.E. Dr. Mohammed Bin Saleh Al Sada, Minister of Energy and Industry, Qatar.

COMMISSIONING CARGOES AND BUILDING RELATIONSHIPS

Building strategic partnerships and long-term relationships with Qatargas customers worldwide by ensuring terminal best practice and compliance.

The export of LNG cargoes via ship offers greater advantages and flexibility than using gas pipelines, but the marine transportation of LNG also requires suitable regasification terminal facilities at the final destination. As part of the company's focus on building strategic partnerships and long-term relationships, Qatargas supports the operators of new and existing terminals to ensure compliance with industry standards and best practice.

LNG vessels, such as Qatar's Q-Flex and Q-Max fleet. Some have undertaken expansion by increasing the number of receiving berths to optimise import volumes.

Supply and demand trends of course drive the LNG business, but there are strategies which stakeholders in LNG projects and LNG suppliers can use to build new business opportunities and strengthen existing relationships, which are critical in this industry. Qatargas therefore continues to provide support, as required, to new and existing terminals in helping to ensure compliance with industry standards and best practice. Given the magnitude of interface that Qatargas has with receiving terminals on a global basis, the company has extensive experience in cross pollinating best practice learnt from the approval process and delivering commissioning cargoes.

Preparing a terminal for receiving a commissioning cargo involves a formal Qatargas approval process to be undertaken, involving the port, terminal and berth(s) to ensure safe and reliable delivery of the cargo.

This preparation process firstly requires the use of scaled Full Mission Bridge Simulators (FMBS), in order to evaluate a port's navigation waterways and channels, and assess the suitability of berthing and un-berthing manoeuvres at the terminal prior to its first use. Commissioning cargoes are usually used to cool down the terminal's equipment to operating temperatures and conduct initial tests on pressures, before commercial shipments can commence.

Qatargas actively participates in LNG terminal commissioning activities worldwide, utilising a robust due diligence process. Key milestones achieved in the successful completion of this process include the FMBS, terminal self-assessment

followed by a verification audit, ship-to-shore interface study and scoping the commissioning procedure, in alignment with involved stakeholders.

The different steps in the Qatargas Terminal Due Diligence process comprise:

- Terminal achieving its mechanical completion confirmation of its berth, process piping, tank systems, boil off gas and send-out systems.
- Undergoing pre-commissioning tests successfully.
- Preparation to receive the first vessel.
- Introduction of first gas by an LNG carrier.
- Terminal cooldown commissioning and performance test(s) completion.
- Preparation for commercial start-up.
- Establishing send out.

The Qatargas Terminal Due Diligence process is also applied to existing or upgraded terminals, as and when a case would require. Given Qatargas' increased international presence and strategy to become a key part of the new emerging LNG market, supply of commissioning cargoes also plays a major role in shaping and building future business relationships in the pursuit of new LNG markets. ◊

70

The percentage of China's LNG receiving terminals commissioned by Qatargas.



Preparing a terminal for receiving a commissioning cargo involves a formal Qatargas approval process to be undertaken, involving the port, terminal and berth(s) to ensure safe and reliable delivery of the cargo.

Key various stages in the start-up of a new LNG terminal:

Mechanical completion: Once the terminal operator achieves mechanical completion, Qatargas' Shipping Department conducts a formal verification audit and a site visit in line with the recommended best practice by Oil Companies International Marine Forum (OCIMF), known as the Marine Terminal Management and Self-Assessment (MTMSA). Reaching mechanical completion indicates that the equipment and construction are ready for commissioning in a safe manner in compliance with project requirements. This phase is indicative of the terminal almost being technically ready to receive its first consignment in terms of its waterways and berth to be ready.

First gas: After the terminal's readiness is confirmed through completion of the due diligence and ship-to-shore interface processes and required approvals are obtained, the terminal is declared ready to receive Qatargas chartered vessels. Delivery of the first cargo must follow the agreed commissioning procedure and the

first ship-unloading plan in order for the Qatargas chartered LNG carrier to reliably and safely introduce the first gas into shore systems and processes. **Terminal cool down:** Initial cool down of the terminal piping and tankage system is achieved using the LNG vessel's cargo machinery, for the required and pre-determined calculated volumes. Flexible pumping capacity on-board re-liquefaction plant, and if required the availability of Gas Combustion Unit onboard the Qatargas Q-Flex and Q-Max vessels give an added advantage for the vessel to adapt and meet with variations in commissioning requirements.

Commissioning and performance test: The scope of commissioning for shore systems and tanks is technically assessed - to a certain extent - during the due diligence process or the ship-shore interface process, which involves the ship owners. Ship processes and operating procedures are then aligned to suit commissioning requirements in getting the terminal operating systems and parameters online.

Qatargas Shipments Around the World



REGAS TERMINAL COMMISSIONED BY QATARGAS

COMMISSIONING KUWAIT 170K FSRU (2014)

QATARGAS HAS COMMISSIONED 60% OF ALL OPERATING LARGE SCALE LAND-BASED CHINESE LNG RECEIVING TERMINALS

BERTH 4 DOLPHINS: ENCAPSULATING INNOVATION

Extensive repair work conducted on Ras Laffan Berth 4 loading and berthing dolphins was successfully completed recently.

An innovative approach to rehabilitating berthing and mooring dolphins, involving fabricated steel encasements, was completed in March at Ras Laffan LNG Berth 4, which returned to operation exactly as planned by the end of that month. The first LNG ship was loaded at Berth 4 in early April 2014, marking its successful culmination.

Through this project, Qatargas proved itself to be a pioneer in successfully implementing this innovative concept of encapsulation, which resulted in substantial reduction of berth shutdown duration and significant actual construction cost savings compared to traditional construction methods. The reduction of shutdown duration was imperative to Qatargas to minimise any impact to the Qatargas and RasGas LNG export business.

Underwater inspection

Following the handover of the Berth 4 at Ras Laffan for operations in 2009, Ras Laffan Industrial City (RLC) began in 2010 underwater inspections to survey the submerged concrete, which reported the first observation of concrete cracks. In subsequent surveys, the cracks were found to be increasing in size and multiplying on many of the dolphins.

Qatargas immediately commissioned an engineering investigation to study the reasons for these cracks and to evaluate the integrity of the dolphins. Two mooring dolphins and one breasting dolphin were subsequently taken out of service due to extensive concrete cracking compromising their strength, which affected the berth capacity to accommodate a certain range of LNG ships.

After completion of the engineering study and analysis of the concrete samples, it was

concluded that the concrete cracking was due to high temperatures generated by the cement hydration during construction. This affected the composition of the concrete, which was expected to eventually disintegrate completely.

The study designated nine defective dolphins to be repaired due to their extensive cracking and Qatargas Ventures was tasked to find and implement a repair/reconstruction solution to ensure their structural integrity for the full design life of Berth 4. The Berth 4 Rehabilitation Project commenced in October 2011 with the award of the Front End Engineering and Design (FEED) contract to study options to reconstruct the damaged dolphins and to select the one with the least shutdown duration of the berth, and to develop the detailed engineering, and design necessary to allow

for Detailed Engineering, Procurement and Construction (EPC) tendering.

Encapsulation proposal

During the options evaluation phase, the FEED contractor proposed an innovative replacement concept, which consisted of fabricated steel encasements, which could be floated, towed to the location, installed around the dolphins and filled with concrete to provide gravity structures, effectively replacing the originals.

The encapsulation structures would contain the defective concrete, where its deterioration could continue safely without risk of collapse. This solution was deemed to be the best compared to the other alternatives, and was selected for the development of the detailed engineering and design.

However, though the 'encapsulation method' seemed cost effective and suited

All construction risks of this unconventional project were mitigated through well prepared procedures and engineering analyses, resulting in its safe and reliable execution without any damages, losses or injuries.

scheduling factors, it was not without construction risks given that such a concept had not been implemented before. It depended on precise and accurate installation techniques in very difficult circumstances.

To mitigate these risks and to ensure success, the FEED contractor was requested to perform a detailed constructability study associated with full structural/marine analyses of each and every phase of the construction to ensure stability of the installation during varying installation and sea conditions.

The Project Team simultaneously began efforts to identify and pre-qualify large EPC contractors with marine resources and experience to ensure the selection of the right bidders.

Following the completion of the FEED project and the preparation of the EPC package, tender enquiry was issued in August 2012 and the project was awarded at the end of March 2013.

The detailed engineering and design was conducted by the EPC Contractor engineering organisation, while fabrication of the steel encapsulation structures was


160
Days of construction at the berth.

subcontracted to NKOM fabrication yard at Ras Laffan port.

In parallel with the detailed engineering and design, procurement of materials started with the supply of structural steel from Korea, aluminium anodes from Malaysia, rubber seal and grout bags from the Netherlands and the supply of concrete trial mix and subsequent testing of underwater concrete pouring methodology at NKOM yard in RLC.



In a record time of four months the final drawings and the materials were in place to start by mid-August 2013 for the steel fabrication at NKOM yard, which thanks to its waterfront proximity at RLC, facilitated the transportation of the fabricated units to Berth 4. At the end of October 2013, the EPC contractor began installation and construction at the Berth 4 site. This included the removal of the existing scour rock protection, extension of the rubble base in preparation for the new foundation, towing the encapsulation structures from NKOM quay wall to site and installation around the dolphins, ballasting them with concrete, completion of the finishing works and placement of the scour protection.

All construction risks of this unconventional project were mitigated through well prepared procedures and engineering analyses, resulting in its safe and reliable execution without any damages, losses or injuries.

"Well-conceived design, well-selected and managed contractor, and well-coordinated team work are the main factors behind the successful and flawless execution of the project. My thanks to the entire team who contributed to bring back Berth 4 safely into Operation," said Sheikh Khalid Bin Abdulla Al Thani, COO, Engineering & Ventures. 

BERTH 4 REHABILITATION PROJECT IN NUMBERS

MAIN MATERIAL USED

Concrete **9,452** m³ 
 Cement Grout **963** Tonnes 

Equivalent to 1,300 Concrete Trucks

Structural Steel **4,614** Tonnes 

Scour Protection Rock **10,960** Tons 

Foundation Rubble Rock **9,008** Tonnes 

SAFETY STATISTICS

745 
Peak Workforce Incl. Sub-contractor

1.107.724
Construction Man-Hours

0 Fatal Accidents on Duty
0 Lost Time Incidents
1 Restricted work cases
0 Medical Treatment Injuries
1 First Aids
9 Near Misses
0 Environmental Incidents
13 HSE Walkthroughs

- 1** Fabrication yard at Nakilat
- 2** Floating and towing of encapsulation towards the dolphins
- 3** Closure of encapsulation around the dolphins
- 4** After encapsulation and finishing



RAISING THE BAR IN SAFETY

In January 2014, QG2 and LR piloted the Incident and Injury Free in Action Programme as part of the ongoing Qatargas Safety Journey, reaching new levels in interdepartmental communication and excellence in safety.

371

The number of employees and contractors participating in the IIF in Action Programme.

Building on the Qatargas Incident and Injury Free (IIF) Programme, Incident and Injury Free in Action was piloted by Qatargas 2 (QG2) and Laffan Refinery in January. The programme connected more than 370 employees and long-term contractors through teamwork in order to promote safety excellence.

IIF in Action focuses on the essential skills required for generating and sustaining Incident and Injury-Free performance in the workplace. Led by the Asset Managers, 19 personnel have been trained and assigned as IIF in Action Coaches to spread the programme's three pillars: 'Understand', 'Ask' and 'Speak Up'.

"Asset Managers took ownership and actively led IIF in Action," said Ashraf Alhassan, head of SEQ Programmes. "They created an environment for success by being role models, providing encouragement, support and appreciation to others. A partnership for safety is developing between management, supervision and the workforce under the facilitation of the IIF Coaches to ensure everyone practices 'Understand', 'Ask', 'Speak-Up'."

WE WILL NOT GET HURT

UNDERSTAND. ASK. SPEAK UP.

"We identified one supervisor per shift as a coach on the operations side," commented Keith Merkley, QG2 Asset Manager. "Maintenance and safety coaches were also assigned and fully integrated into the team. Together the coaches actively engage employees and contractors in all work teams on every shift. Actively promoting TBTs, intervention, coaching, training, etcetera, we are seeing an increased sense of caring/teamwork between operations, maintenance, safety and contractors. The depth and quality of these interactions have not been experienced before at QG2. We are also

seeing increased communication from field personnel - people are communicating without fear. The increased vigilance is demonstrated by increased STOP cards and INR reporting. As an Asset Manager, my personal IIF commitment is that I will never sacrifice Personal or Process Safety for production or any other priority."

"Our coaches have taken their role beyond my expectations and are having a positive impact throughout the refinery," said LR Asset Manager Alain Duval when discussing the programme's success. "Asset Maintenance was fully integrated in Phase 1, and common actions are

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19 personnel have been trained and assigned as IIF in Action Coaches to spread the programme's three pillars: 'Understand', 'Ask' and 'Speak Up'.



Qatargas employees receiving safety training at the Qatargas IIF in Action Programme recently.

being implemented. Operator interaction with LR contractors has improved with more frequent discussions about safely completing all activities. Operators are attending some contractor TBTs and do not hesitate to intervene. Stop Card quality has improved and is driving quality safety discussions with contractors. We are also using the IIF in Action tools to roll out our 2014 Heat Stress Program. As an Asset Manager and part of my IIF commitment, leading Laffan Refinery safety is my top priority. I will show my commitment through my decisions, acts and behaviour."

IIF in Action will now be deployed across all Qatargas Assets.

12 YEARS OF OFFSHORE OPERATIONS WITHOUT A LOST TIME INCIDENT

Qatargas has recently achieved a significant safety milestone by completing 12 years of operations on its North Field Bravo offshore facilities without a Lost Time Incident (LTI).

The Qatargas Offshore facilities comprise nine offshore platforms, which supply gas and condensate to the onshore liquefaction plant at Ras Laffan, the largest in the world, with a production capacity of 42 million tonnes per annum (MTA) of Liquefied Natural Gas (LNG). These facilities are outstanding not only in terms of safety record, but also from a reliability perspective, ensuring sustained production of LNG from Qatargas' onshore plant.

The 12-year safety milestone spanning the entire offshore facilities and operations is the result of the continuous, proven commitment to safety by Qatargas' leadership and workforce.

Commenting on this achievement, Khalid Bin Khalifa Al Thani, Qatargas CEO, said, "I would like to congratulate all the teams involved, particularly the Offshore Operations team, on this brilliant safety record. This would not have been possible without the hard work and dedication by everyone working on North Field Bravo (NFB) along with the continuous support from different departments across Qatargas. As we move closer to becoming the world's premier LNG Company, our primary focus continues to be on safety. 'Incident and Injury Free' operations are achieved when safety takes priority above everything else, and this is what we have been able to maintain at Qatargas, through a number of initiatives."

Mansoor Al Marzooqi, Offshore Operations Manager at Qatargas echoed this sentiment, saying, "At all levels of the offshore operations we reiterate the message that we are each responsible for our own safety and those around us. For the Offshore team, working and living in the middle of the sea presented a number of challenges including tough weather conditions and a number of major activities that required careful planning and preparation. The team successfully overcame these challenges, proving their strong commitment to maintaining an incident and injury free work environment."

Qatargas has several programmes in place that support its goal of maintaining 'Incident and Injury Free' operations. Risk assessments, Permit to Work systems, Job Safety Analysis etcetera are some of these programmes.



ABOUT NORTH FIELD BRAVO

- The North Field Bravo (NFB) offshore complex was commissioned in 1996.
- It has 85 wells, which supply approximately 7.5 billion standard cubic feet of gas to the seven LNG production trains onshore, via subsea pipelines.
- NFB has 90 Qatargas direct hire employees, 36 permanent contractors working on board for 28 days, followed by a field break for 28 days.
- The average number of personnel on NFB at any given time is around 120. They are responsible for meeting the operational, maintenance and project activity requirements on the complex.

HALF A MILLION ACCIDENT-FREE MAN-HOURS CELEBRATED AT WASTEWATER TREATMENT PLANT

In line with Qatargas' safety philosophy, the Wastewater Treatment Plant in Ras Laffan has successfully achieved 109 weeks of operation, totalling 500,000 man-hours, without a single incident resulting in personnel injury or asset damage.



The celebration was followed with a cake cutting session and a prize distribution session for all the employees of QCON.

The "I will not get hurt" safety philosophy of Qatargas has been practised by the wastewater treatment plant staff from the beginning. Reaching the milestone of 109 weeks has been possible with the active participation from all parties involved in the project. This achievement is especially commendable given the small size of the project and owes its success to the commitment from the Qatargas management, Performing Party Qatar Engineering and Construction Company (QCON), Qatargas Operations Development Department (ODD) team, Qatargas

Simultaneous Operations (SIMOPS) team and the supervising Qatargas Project Management Team (QG-PMT).

To acknowledge the achievement of 500,000 man-hours without Lost Time Incident (LTI), QCON arranged for a celebration in late April inviting the company management personnel from the Ventures Department, SEQ Department, Asset Owners and the entire QG-PMT in their TSF Area.

Alae Sadic Al Hassan, Ventures Manager, Ventures Department, congratulated the entire team for their efforts and encouraged everyone to follow safe work practices on site and to continue with their efforts to maintain high safety performance levels.

Khalid Al Dosari, Engineering Projects Division Manager, Plant Engineering Projects Division, Ventures, mentioned his pride in being associated with the WWTP work group who took safety seriously, and who practised safe work practices daily in an effective manner.

Boualem Lassas, Project Manager, Plant Engineering Projects Division, Ventures, expressed his gratitude to the workers as well as the contractor representatives for understanding, believing and practising safe work practices.

The celebration was followed with a cake cutting session and a prize distribution session for all the employees of QCON.

AWARDS HIGHLIGHT QATARGAS' COMMITMENT TO EXCELLENCE IN SAFETY

In its continued drive to ensure a safe work environment Qatargas has recently been awarded accolades by Shell and the British Safety Council.

SHELL GOAL ZERO AWARD PRESENTED TO CEO KHALID BIN KHALIFA AL THANI IN RECOGNITION OF QATARGAS' OUTSTANDING SAFETY RECORD

Qatargas was recently awarded the Shell 'Goal Zero' award in recognition of its continued excellent safety performance. The award aims to promote and build a strong safety culture in the industry by recognising and celebrating exceptional safety measures and track records.

Khalid Bin Khalifa Al Thani, Qatargas Chief Executive Officer, received the Goal Zero award from Wael Sawan, Managing Director and Chairman of Qatar Shell Companies. "Our Incident and Injury Free culture is woven into everything we do," said Al Thani at the brief ceremony held at the Qatargas head office in Doha.

"We accept no compromises in this area," continued the CEO. "Our Qatargas Management System (QGMS) ensures our operations and work environment are safe for our employees and contractors. We appreciate the Shell Goal Zero award in recognition of working 10 million man-hours without a serious incident or release. The dedication and expertise of our people combined with the support of our shareholder partners has made this achievement possible."

Randy Lee Stadler, Qatargas Chief Safety, Environment and Quality Officer added that "at Qatargas, safety is a core business value that governs everything we do - from our planning and facility construction, to our Planned Shutdowns and maintenance activities, as well as to the way we operate the business every day. By instilling the importance of working safely in our employees and contractors from the first day that they start working, we strive to create a working environment in which safe behaviours are consistently



Wael Sawan, Managing Director and Chairman of Qatar Shell Companies hands the Shell Goal Zero Award to Qatargas Chief Executive Officer Khalid Bin Khalifa Al Thani at a brief ceremony held at the company's head office in Doha.

reinforced and rewarded. We thank Shell for recognising our efforts and achievements."

Wael Sawan, Managing Director and Chairman of Qatar Shell Companies told those gathered that Shell, Goal Zero means relentlessly pursuing no harm to people and no leaks. "We are proud to be working with a partner like Qatargas that shares this philosophy," he said. "Shell's Goal Zero Award is recognition for an outstanding safety performance in achieving 10 million man-hours without serious leaks or incidents. I would like to congratulate all Qatargas management and staff as well as its partners and contractors on this very significant milestone. We look forward to our



Shell's Goal Zero Award is recognition for an outstanding safety performance. I would like to congratulate all Qatargas management and staff as well as its partners and contractors on this very significant milestone." - Wael Sawan, Managing Director and Chairman of Qatar Shell Companies.

10 million

Qatargas received the Shell Goal Zero award in recognition of working ten million man-hours without serious leaks or incidents.

continued partnership with Qatargas that maintains safety as a deeply held value."

QATARGAS BECOMES FIRST QATARI COMPANY TO RECEIVE BRITISH SAFETY COUNCIL FIVE STAR ACCREDITATION

The Qatargas Shipping Department has successfully achieved the maximum Five Star Accreditation in Occupational Health and Safety Management and the Four Star Accreditation for Environmental Standards and Practices accolades awarded by the British Safety Council.

The British Council awards are in recognition of the Qatargas Shipping Department's continued efforts to set high operating standards befitting a premier LNG company and to safely, efficiently and reliably manage and operate all its

resources. The awards are given after an intensive evaluation conducted by the British Safety Council auditors.

As one of the world's most prestigious health, safety and environmental auditing organisations, the British Safety Council conducts a programme to benchmark the management systems of companies against current global best practices through its internationally acclaimed "Five Star Audit" scheme.

During the ceremony, Khalid Bin Khalifa Al Thani, Qatargas Chief Executive Officer, said, "We are honoured to receive this prestigious recognition as evidence of our continued efforts to promote world class standards and integrate best practices into our business performance. Qatargas' Shipping Department has set yet another milestone and today we are proud to be the first Qatari organisation to have achieved this highly significant global recognition. We are committed to maintaining and enhancing our performance to ensure we continue to meet the highest global standards through the years to come."

On the occasion Alex Botha, Chief Executive Officer of British Safety Council, said: "The British Safety Council warmly congratulates the Shipping Department of Qatargas for achieving the maximum five stars in the British Safety Council's Five Star Occupational Health and Safety Audit and for achieving a four star rating in the British Safety Council's Five Star Environmental Audit." Q



Khalid Bin Khalifa Al Thani, Qatargas Chief Executive Officer receiving the award from Alex Botha, British Safety Council Chief Executive Officer. Also in the picture (from right to left): Alae Abujbara, Chief Operating Officer, Commercial and Shipping, Abdurrahman Al Mulla, Shipping Manager and Abdulla Al Kuwari, Marine Procedure Specialist.

CONTRACTORS' SAFETY FORUM 2014

Qatargas hosted its first contractors' safety forum for 2014, bringing together company leaders, contractors and shareholders to share best practices in safety.

The biannual event, themed on 'First Line Supervisors, Taking a Stand for Safety' provided an opportunity for Qatargas and its contractors to showcase their Health, Safety and Environment (HSE) programmes and highlight issues of common concern to further strengthen partnership and promote open and transparent communication for continued excellence in critical HSE issues. The Forum also focused on the success story for Life Saving Rules as part of their Safety Programs.

The Forum incorporated interactive breakout sessions to discuss issues and brainstorm improvement opportunities.

Mats Gjers, Qatargas Chief Operating Officer, Operations, delivered the keynote address,

stressing the importance of first line supervisors sustaining the safety culture. "From our partner organisations, we anticipate a visible commitment and willingness to address safety concerns. The message to our workforce must be consistent. Follow Qatargas' Life Saving Rules; involve your first line supervisors in a culture of Incident and injury free practices; take ownership and responsibility of safety, building structures that support safety efforts and teaching others to do the same. Our philosophy is, 'if you can't do it, don't do it'."

Randy Stadler, Qatargas Chief Safety, Environment and Quality Officer welcomed all the participants, highlighting some of the safety milestones



achieved in the last six months including the Plateau Maintenance Project (PMP) celebrating 500,000 STOP cards raised by the project team, Jetty Boil-Off Gas project celebrating 22 weeks injury-free and the safe and timely completion of two planned shutdowns. He also urged Qatargas and contractor personnel to focus their efforts on completing all tasks, effectively and on time.

The Qatargas team shared the latest Incident and Injury Free in Action program (IIFiA) and explained the role Contractors Management play as leaders for IIF in Action.

IIF in Action is a comprehensive program that focuses on the essential skills needed to generate and sustain Incident and Injury-Free performance at the working level. The IIF in Action Suite is built around three simple actions: 'Understand', 'Ask' and 'Speak Up' connecting different groups by improving teamwork and promoting safety excellence. Q



Our philosophy is, 'if you can't do it safely, don't do it.' - Mats Gjers, Qatargas Chief Operating Officer, Operations.

QATAR SYMPOSIUM ON PROCESS SAFETY

The Qatar Process Safety Symposium held in early April featured presentations by Qatargas experts on risk-based inspections (RBI) and heater tube leakages.



Ramesh J. Patel, Inspection Specialist discussing 'Implementation of Risk-Based Inspection at Qatargas' at the Qatar Process Safety Symposium held in April.

Ramesh J. Patel, Inspection Specialist and Bijay Kumar Behera, Senior Corrosion Engineer of the Integrity Division of Qatargas, delivered presentations at the Qatar Process Safety Symposium held in the Qatar National Convention Centre in early April 2014. The Qatar Process Safety Symposium gathered around 250 delegates from

various industries.

Both the presentations were well received and appreciated. The symposium provided an excellent platform to enhance the corporate image of Qatargas and the delegates present appreciated the technical capabilities of Qatargas in RBI implementation and failure investigation. Q



Qatargas CEO Khalid Bin Khalifa Al Thani speaking at the Monthly Gas Lecture at the Gas Exporting Countries Forum (GECF).

CEO SHARES HIS VIEWS ON THE GLOBAL LNG MARKET AT GECF

Khalid Bin Khalifa Al Thani, CEO Qatargas looks at key global markets and how the recession has affected European demand.



Qatargas Chief Executive Officer, Khalid Bin Khalifa Al Thani presented Qatargas' views on the global LNG market fundamentals at the Monthly Gas Lecture organised by the Gas Exporting Countries Forum (GECF) at the GECF Secretariat headquarters in Doha.

The Gas Lecture Series is a GECF initiative designed to encourage discussion and debate on natural gas related topics in the energy sector involving all stakeholders including producers, consumers, businesses, academics, international organisations as well as non-governmental organisations and the media. The audience included ambassadors, government officers, representatives from local relevant industries, members of academia and energy experts.

The Qatargas CEO began his speech explaining Qatargas' view on the global LNG market. Qatar delivers LNG to 26 out of a total of 29 LNG importing countries, accounting for 33% of the world's LNG supply. The bulk of these supplies are to Asia, which holds 75% of total LNG demand.

He then went on to elaborate on the supply and demand in key LNG markets in Latin America, Europe and Asia.

In Latin America, the number of LNG importing countries has doubled, from only three in 2007 to six in 2013 and is

expected to reach nine by 2016.

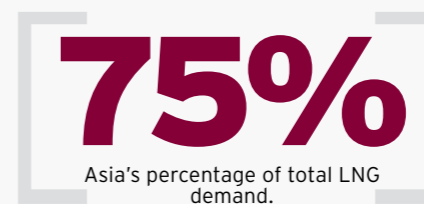
"Even though the gas demand forecast in Latin America is relatively high, long-term volumes of LNG will have to compete with domestic and piped gas. Additionally, these markets will most likely be supplied by North American LNG volumes from upcoming new regional projects" he said.

The LNG demand in Europe has been reduced by the great recession, Asia's strong pull on flexible cargoes, cheap US coal imports and government subsidised renewable energy sources. However, Sheikh Khalid expressed his optimism regarding the resurgence of Europe's LNG demand as its economy strengthens.

"Europe's long-term LNG demand will rebound as its economy improves; indigenous gas declines; supply source diversity becomes critical and gas is required to support intermittent renewable energy needed to meet environmental targets. We believe deliveries will approach 100 million tonnes per annum (MTPA) by 2025," he said. Q



Qatargas continues to be a critical source of reliable LNG as demonstrated by our exemplary delivery and safety record and underpinned by our strong resource base; sound partnerships with international oil companies and solid support from the State of Qatar." - Qatargas Chief Executive Officer, Khalid Bin Khalifa Al Thani.



THE FUTURE OF LNG IN EUROPE


Representing Qatargas at the 20th anniversary of Flame - Europe's leading natural gas and LNG Conference - Alaa Abujbara discusses the European energy market lauding the advantages of LNG as a major component of the mix for Europe's future energy needs.

Qatargas' Chief Operating Officer - Commercial & Shipping, Alaa Abujbara, shared Qatargas' views on the European energy market, the current and future role of LNG, the influence of new energy policies and Qatargas' marketing activities across Europe. Speaking at the annual Flame conference held in Amsterdam, Mr. Abujbara's presentation was titled 'European LNG Supply and Demand Implications'. The key conference theme was 'Taking the Lead in the Globalising Gas Markets'.


Mr. Abujbara discussed key events in Europe's recent energy history, beginning with the consumption of coal in the fifties, how this trend led to the great smog of 1952, which in turn inspired the use of cleaner fuels over the next

decades. Mr. Abujbara continued by pointing out the recent return to coal in the energy mix and he then questioned if Europe was coming full circle by returning to coal.

This led him to discuss the energy options for Europe moving forward. He made a clear case for LNG as a major part of the energy mix by highlighting its advantages over alternative fuel sources.

In concluding his views, Mr. Abujbara said: "The fact is that Europe needs energy and long term LNG is the best option, which offers both clean energy and good security of supply. If Europe wants to secure LNG, Europe needs to attract LNG in competition with other global customers, or risk facing a choice between higher pollution and lower security of supply." 



Alaa Abujbara, Qatargas Chief Operating Officer, Commercial and Shipping. 

4TH NATIONAL CONFERENCE ON INTERNAL AUDITING SPONSORED BY QATARGAS


Qatargas extended its support to the Institute of Internal Auditors' (IIA) Qatar Chapter, as a Platinum Sponsor of the 4th National Conference on Internal Auditing, held in May.

The conference was held under the patronage of His Excellency Abdullah Bin Hamad Al Attiyah, Chairman of The Administrative Control and Transparency Authority and more than 25 international speakers sourced from around the world presented their thoughts and research on matters of interest.

Commenting on Qatargas' support to the conference, Mansour Al Naimi, Public Relations Manager, Qatargas

said, "We are delighted to support the Qatar Chapter of the globally-recognised IIA in organising this event. Internal auditing is a profession that requires specialised skills and a critical approach. We hope our support to this conference will provide a platform for the country's audit community."

Hassan Yousef Al Mulla, President, IIA-Qatar, added, "We are very pleased to accept this sponsorship from Qatargas,

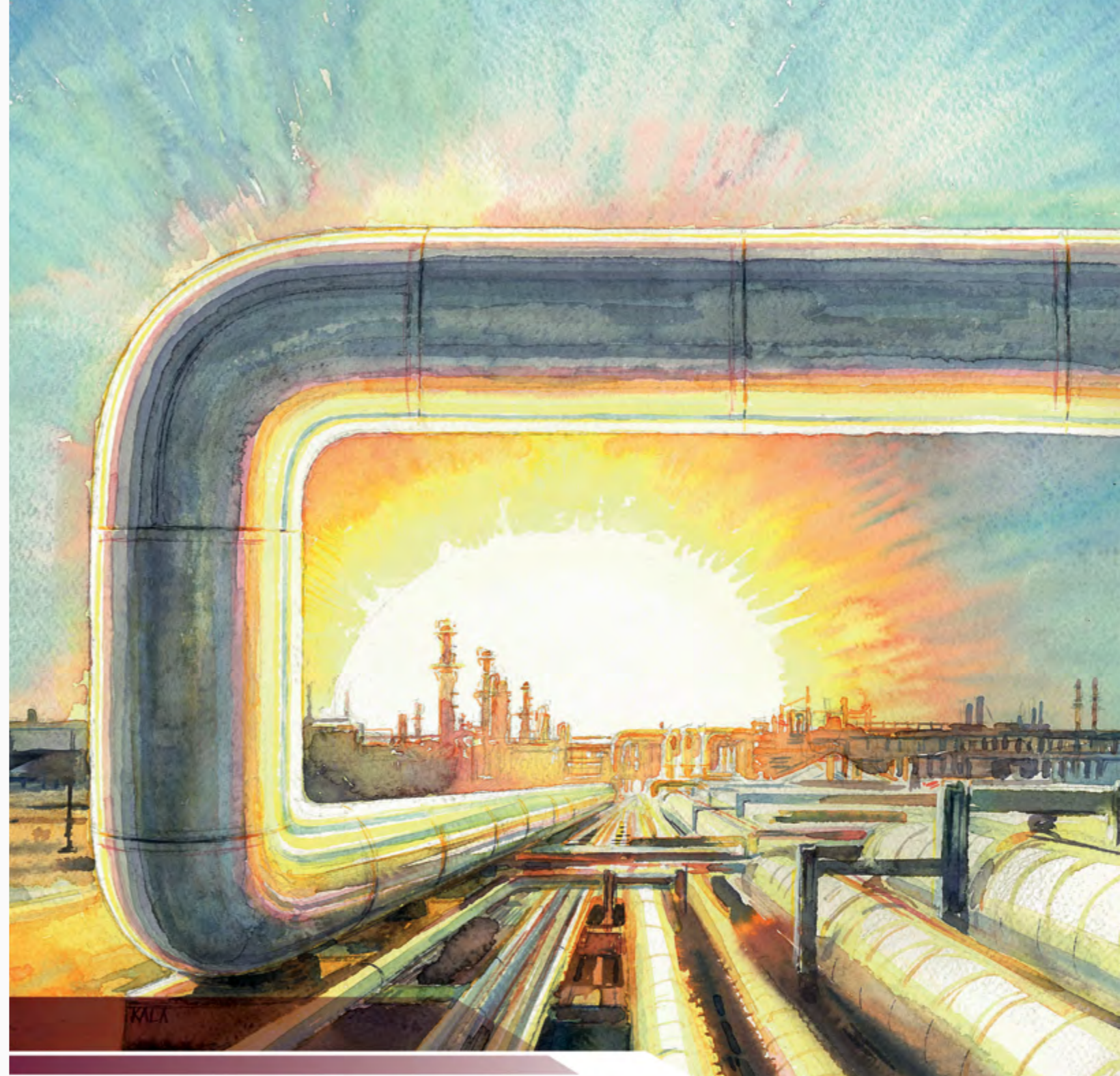
which supports the continuous educational and training programme designed by IIA-Qatar." 

25

The number of speakers at the National Conference on Internal Auditing.



Qatargas Public Relations Manager, Mansour Rashid Al Naimi presenting a memento to Hassan Yousef Al Mulla, President of the Institute of Internal Auditors (IIA)'s Qatar Chapter. 



Committed to delivering remarkable achievements through innovation.

Trusting and empowering each other to maintain a culture of learning, creativity and passionate commitment to operational excellence in everything we do, we in Qatargas believe it is the talent and energy of our people that make us shine. We proudly embrace Qatar's National Vision 2030 by generating advanced technological innovations to achieve sustainable development.

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قطرغاز
QATARGAS

QATARIZATION CRYSTAL AWARD WON BY QATARGAS

Qatargas has won the prestigious 'Qatarization Crystal Award' in recognition of its efforts in 'Supporting Qatarization' at the 14th Annual Award Ceremony, held during the Qatarization Review Meeting of the Energy and Industry Sector.

Held under the patronage of His Excellency Mohammed Bin Saleh Al Sada, Minister of Energy and Industry, the Energy and Industry sector's Qatarization strategies and progress in support of Qatar National Vision 2030 and the National Development Strategy 2011-2016 were highlighted at the event.

In attendance were H.E. the Minister of Administrative Development Dr. Issa Saad Al Jafali Al Nuaimi, Professor Sheikha Al Misnad, President of Qatar University and senior executives from participating companies and representatives from Qatar's education community.

The award winners in five categories were selected from 41 companies operating in Qatar's energy and industry sector. Khalid Bin Khalifa Al Thani, Qatargas Chief Executive Officer (CEO) received the award from H.E. Dr. Al Sada, on behalf of Qatargas.

"It is with great pride that Qatargas receives this recognition," said the CEO. "This award underscores once again the success of our Qatarization policy, which focuses on ensuring Qatari participation in all fields of the company's operations."

"As the largest LNG producing company in the world," continued the CEO, explaining how the development of the national workforce is a top priority at Qatargas, "employing state-of-the-art technology and innovations in all aspects of its business, Qatargas provides unique opportunities for young nationals to benefit from the knowledge and expertise of our high calibre, diverse workforce and international shareholders. As we move ahead in our journey towards becoming the world's premier LNG Company, our national employees have important roles to play in the future of Qatargas and the future of our country."

This is Qatargas' fourth Qatarization Crystal award since winning the award for 'Supporting Qatarization' in 2010. In the following year, Qatargas won the award in the 'Support for Training and Development' category. This was followed in 2013 with the award for 'Support and Liaison with the Education Sector'.

Investing in the education and training of young Qataris is a key objective for Qatargas and is at the core of the company's corporate social responsibility strategies. The company has well-established and proven strategies and programmes to attract, recruit and develop a talented national workforce which includes an Outreach Programme that focuses on liaising with the Education Sector and reaching out to schools and universities, participating in career fair events and visiting schools. National employees act as 'role models' at such events, providing career advice and sharing their experiences with the students.

The annual CEO Forum gives nationals the opportunity to share experiences directly with the Chief Executive Officer. The company has a recognition and awards scheme for rewarding competence development activity and providing encouragement and motivation to nationals, including awards for Best Graduate and Best Trainee. Also, a process is in place that monitors, recognises and celebrates academic and vocational achievements, through awards for successful completion of stages of education programmes.

National Graduates, Trainees, and scholarships recipient students are supported with regular coaching and counselling. A Nationals Focus Group has been established to effectively engage Qataris in focusing on their learning



41

The number of Qatari Energy and Industry companies from which winners of the Qatarization awards were drawn over five categories.

and resolve any issues related to their development and progression in the company.

As part of its strategic Qatarization plan, Qatargas offers scholarships to high school graduates who are interested in pursuing disciplines of high demand required by the company. The programme has been developed and designed specifically to manage expectations of those seeking scholarships and what they can expect upon completion of an academic qualification programme. Career guidance is also provided on how to seek the best educational path appropriate to target positions.

Qatargas has a high-level strategic Qatarization Planning Committee chaired by the CEO and comprising the Company's Management Leadership Team as well as the Learning and Development Manager and Human Resources Manager. The Committee oversees all activities relating to the recruitment, training, development, deployment, progress and retention of nationals through the structured bi-annual meetings.

The company has undertaken several initiatives as part of its ongoing collaboration with the education sector. Qatargas representatives regularly attend CNA-Q's School of Engineering Technology and Industrial Trades Advisory Committee meetings and provide direction in the development, implementation and evaluation of academic programmes to benefit the industry.

The Qatargas Engineering Manager was a member on the judging panel of the Department of Chemical Engineering at Qatar University's Plant Design Competition. Qatargas also provided strategic direction to support a new Information and Communication of Technology Vocational Education Framework for Qatar, an initiative led by the Supreme Council of Information and Communication Technology.

Qatargas continues its support and leadership on the Board of Trustees for Qatar Independent Technical School (QITS). The Qatargas Learning and Development Manager is the Vice Chairman of the Board of Trustees at QITS while Head of Qatarization and National Development is a Board Member.

In support of a programme to help enhance young professional engineers in their field, Qatargas led a workshop for the Qatar Society of Petroleum Engineers. The Qatargas Engineering Manager also serves as Research Chair for Engineering Programme at Qatar University. Q

Qatargas' Head of Qatarization Ali Al Sulaiti appears on the Tarabeeb Show, Rayyan TV

To provide increased local exposure and visibility of Qatargas' achievement in winning the award, Ali Al Sulaiti, Head of Qatarization and National Development at Qatargas, gave a live interview on the Tarabeeb Show on Rayyan TV on June 2, 2014. The interview focused on the success of Qatargas' efforts and initiatives in supporting the Qatar National Vision 2030. Ali also mentioned the importance of winning such a prestigious award for Qatargas, successfully competing against 40 other companies in the energy and industry sector.

"This award underscores once again the success of our Qatarization policy which focuses on ensuring Qatari participation in all fields of the company's operations," he said. "Attracting, developing and retaining qualified nationals are key elements of our recruitment policy and we are committed to the development of local talent, enabling young nationals to achieve their fullest potential."



QATARGAS CEO FORUM 2014

As part of its ongoing commitment to Qatarization, Qatargas CEO Khalid Bin Khalifa Al Thani met recently with the National Graduate and National Trainee communities at the 13th annual Qatargas CEO Forum.

The Forum's key theme was 'Commitment to National Development' and included motivational speeches from former Graduates and Trainees. The event was held at the Four Seasons Hotel on May 25th (National Graduates) and on May 27th (National Trainees). Ali Al Sulaiti, Qatargas Head of Qatarization, opened the Forum and introduced the Qatargas Chief Executive Officer (CEO) Khalid Bin Khalifa Al Thani to the National Graduates and National Trainees.

The CEO gave a welcoming speech and expanded on the theme for the event saying, "We have commitment from all parties involved in the development of our

National Workforce. Qatargas Senior Management is totally committed to supporting the career development of our National Graduates and Trainees."

The motivational speaker for the National Graduate Forum was Hessa Al Nesf, a former National Graduate who created history by becoming the first Qatari National to be awarded the Incorporated Engineer (IEng) status with the Institution of Chemical Engineers (IChemE).

For the National Trainees Forum the motivational speaker was Faisal Al Enazi, who has experienced continued success in his career after his completion of the Trainee Programme, including tertiary studies and a wide range of rotational assignments.

Ali Al Sulaiti provided updates on the achievements and initiatives in Qatarization since the previous CEO Forum. For the National Graduates, this included the introduction of the Qatarization Service Desk, the IDP Year-End Appraisal for National Graduates, and Qatargas being awarded Gold Corporate Partnership with IChemE.

For the National Trainees, highlights included the endorsement of the Lab Technician Program of CNA-Q, English Language Refresher, and the progress of the enhanced WPL Programme.

Noora Rashid Mohusin from the Focus Group, a team of National Graduates representing each group in Qatargas to enhance



You are responsible for driving your development and you are responsible for seeking opportunities for growth. your potential and future career is in your hands." - Ghanim Al Kuwari, COO-A.

activity, which aimed at getting initiatives from the National Graduate and National Trainee communities. All participants engaged in a discussion on their experiences and challenges and then worked in their groups to develop several suggestions to present to the Forum. The range and quality of feedback was of a very impressive standard and Qatarization collected all the data for review and to inform further initiatives.

Ghanim Al Kuwari, COO-A, commented on the quality of the feedback and expressed his gratitude for the high level of participation. He further added, "We also need your commitment to your own Career Development. You are responsible for driving your development and you are responsible for seeking opportunities for growth. Your potential and future career is in your hands."

The CEO then recognised the outstanding achievements and contributions in both the National Graduate and National Trainee Programmes by presenting the Awards for Best Graduates, Best Trainees and Best Coaches.

The closed session with the CEO then followed, which is always a highlight of the Annual CEO Forum. This allows the National Community in Qatargas an opportunity to communicate directly with the CEO about their experiences. ☐

20
Total number of Awards at the CEO Forum, 10 for Best Graduate, four for Best Coach (Graduate), three for Best Trainee, and three for Best Coach (Trainee).



Qatargas Senior Management is totally committed to supporting the career development of our National Graduates and Trainees." - Qatargas CEO Khalid Bin Khalifa Al Thani.



Qatargas CEO Forum 2014-Graduates.



Qatargas CEO Forum 2014-Trainees.

NATIONAL GRADUATES FROM QATARGAS CEO FORUM 2014

Meet the National Graduate Award Winners from the 13th CEO Forum 'Commitment to National Development'.

CEO Forum National Graduates, May 25 - National Graduate Award Winners



Mohammed Abdulla Al Mohannadi
Shift Supervisor I, Operations (Refinery) Division.
Joined Qatargas in 2004

"With our IDPs we have the opportunity to add work experience to our university studies. This is a period for learning and career development so when I reach my target position I have the confidence and the ability to perform the job properly. I would like to thank the coach and assets for supporting Qataris and being available and willing to develop us."

Muna Essa M E Abo-Holayqah
Contracts Analyst I, Ship Contracts Division.
Joined Qatargas in 2012

"The support and trust I received from my colleagues and management in Qatargas built my confidence and made me aspire to exceed expectations. The guidance provided wasn't just from my division; it was from the Shipping Department, C&S group and colleagues in other groups in Qatargas. Each member had his/her input to guide my progress. This truly embodies the one-team philosophy."

Sara Abdulaziz I A Al Tamimi
Hydrocarbon Allocation Engineer, Production Allocation Division.
Joined Qatargas in 2012

"The road to success is not easy to navigate but since I joined Qatargas I learned that with hard work, drive and passion, every dream is achievable. I feel fortunate to be part of Qatargas National Graduate Development programme as it allowed me to grow as an engineer and as an individual. The knowledge and experience I gained working at Qatargas is valuable and it will always lead me in my career."



Jawaher Nasr Ali M Al Jehani
Financial Analyst, OPCO Budget and Reporting Division.
Joined Qatargas in 2012

"The IDP Programme was challenging but rewarding. The unlimited support we received from the respective departments developed our potential to the maximum. The QG collaborative working environment and team spirit supported us in gaining the utmost exposure to learning opportunities. The IDP programme succeeded in enhancing our experience and qualifications and from our university degrees up to the career level so we can apply these in the workplace."



Hamad Binshamlan
Mechanical Engineer I, Corrosion Engineering Section.
Joined Qatargas in 2008

"It's a comprehensive and well-designed programme and I got all the support I needed from the company. I really enjoyed the rotation and working with the experts in the field and I like the combination of the hands-on work and the training courses."



Eiman Mohammed A S Fakhroo
Communications Officer, Public Relations, Communications and Planning Division.
Joined Qatargas in 2011

"The NGDP has given me a great overview of our business through rotational assignments and I've increased my knowledge by taking a variety of training courses."



Rand Ghassan F S Aga
Corporate Citizenship Officer I, PR Department.
Joined Qatargas in 2012

"My experience in Qatargas as a National Graduate was very unique and one of its kind as I was given the chance to develop my skills and enhance my knowledge in different areas. I was also given the trust to handle responsibilities, which played a big role in developing my communication, interpersonal and leadership skills. I also represented the company in some international events such as conferences. The experience I have gained in my two years in Qatargas is much more than what I have expected due to the type of training I have been to, conferences attended, and tasks that were assigned to me during this time."



Daliya Taher A A Al Ansari
Supply Officer I, Supply Department.
Joined Qatargas in 2012

"Since I joined Qatargas, I promised myself to build a solid foundation of knowledge and experiences and work very hard to be the best I can be. Despite the challenges I've faced, believing in my abilities and my department's support were the main reasons behind my success as a National Graduate. The most happy people at work are those who feel valued, appreciated and recognise the importance of the work they do."



Mubarak Saeed Jameela
Shift Supervisor I, CLNG Asset-LNG Loading Section, Onshore Operations.
Joined Qatargas in 2005

"To see your efforts being rewarded by a pioneering company such as Qatargas is an indescribable feeling. It is definitely a morale boost and it motivates me to do my best for Qatargas."



Ali Saleh M A Al Yafei
Crisis Management Officer I, Planning and Support Section, SEQ.
Joined Qatargas in 2012

"I joined Qatargas in 2012 with the impression that I needed to be competitive to find my place in the company. Although I'm still at the beginning of my career, the NGDP encouraged me to challenge myself and develop my skills, and is directing me to visualise my long-term goals. I really believe that everyone has a talent, ability, or skill within himself to succeed in the professional and personal life."



Vinish Bhatt
Lead Instrument and Control Systems Engineer, Maintenance, Operations.
Joined Qatargas in 2007

"The biggest challenge as a coach and mentor of an experienced Graduate is to guide and advise without resentment, and a good coach is the one who suggests and inspires the developpees through continuous conversation. You can get the best efforts and results not by lighting a fire beneath but by building a fire within."

Best Coach (National Graduates)



Noora Al Kharji
Head of LNG Sales Administration, Qatargas 3 and 4 Sales Administration, Commercial and Shipping.
Joined Qatargas in 2007

"Without strong leadership and support from my management, HR and Learning and Development, it would have been hard to achieve this award. It gives me pride to be part of a great team of National Graduates. Without their commitment and passion to excel, there would be little I could do. It's a tough journey, but believing in one's capabilities helps us surpass any obstacles and stand out in the crowd."



Ibrahim Muzghi
Head of Corrosion Engineering, Engineering and Ventures.
Joined Qatargas in 1999
"Being a coach is both a privilege and a commitment. It is an opportunity to transfer knowledge and skills to the next generation."



Ahmed Al Namla
Venture Controller Refinery, Venture Controls, Finance.
Joined Qatargas in 1995
"A leader's inspiration is like a candle lighting millions of other candles". That is my vision of leading and coaching. I coach to alert on where to look, but do not tell what to see."

Best Coach (National Trainees)



Johar Mubarak Muftah
Senior Operator, Onshore Operations.
Joined Qatargas in 2009
"It's such an achievement for me."



Abdulaziz Solayman H. H. Al-Ghafri
Senior Operator, Onshore Operations.
Joined Qatargas in 2010
"I'm very happy because it's a result of continuous efforts. I'm looking for more success in the future."



Waheed Abbasi
Senior Operator, Onshore Operations.
Joined Qatargas in 2008
"Certainly I am very happy to be rewarded today. I'm proceeding step-by-step and making sure information is communicated in such a way that it is understood by the trainee. I'm also happy to see the interest shown by the trainees I've coached."

CEO Forum National Trainees, May 27 Best National Trainees



Abdulla Mohamed Al Marri
Trainee (Process), Learning and Development, Administration.
Joined Qatargas in 2013

"I'm more than happy to receive this award. I couldn't achieve such success without the contribution from the entire team."



Hamad Abdulaziz F A Al Thani
Senior Inspector Technician, Engineering, Engineering and Ventures.
Joined Qatargas in 2012

"Being a trainee in Qatargas was very challenging and the learning curve is huge. And the engineers are very good at their jobs. I have learned so much from them."



Jaman Fairoz J F Al-Homaidi
Trainee (Electrical), Learning and Development Administration.

"I'm very happy, and I regard it as a recognition from Qatargas to the efforts I've made. I'm looking forward to attaining more success."

QATARGAS ORGANISES CEREMONY TO RECOGNISE EMPLOYEES FOR CONTINUOUS YEARS OF VALUED SERVICE

Employees of Qatargas were awarded for reaching various years of service milestones and playing a key part in the company's growth and development.



Qatargas employees awarded for reaching the 15 and 20 years of service milestone.

Qatargas Chief Executive Officer, Khalid Bin Khalifa Al Thani, presented certificates and mementos as a token of appreciation to employees who have completed twenty, fifteen, ten or five years of service at Qatargas.

Nearly 500 employees were recognised for their continuous years of service with the company at the annual Qatargas Long Service Awards ceremony held on 27th

May at the Qatar National Convention Centre.

Addressing the employees on this occasion, Khalid Bin Khalifa Al Thani, Chief Executive Officer, Qatargas, said: "It is the hard work, commitment and dedication of our people that have made all our achievements over the years possible and made Qatargas what it is today - the largest LNG producer in the world,

delivering energy safely and reliably to customers across the globe.

"We must continue to explore ways to improve our business and maintain our excellent performance across all our operations," he added. "At the same time, the development of our people is equally important in our journey to become the world's premier LNG Company."

The CEO thanked all employees for their valuable contributions towards realising Qatargas' vision to be known for its people, innovation, operating excellence and corporate social responsibility. He also expressed his thanks to H. E. Dr. Mohamed Bin Saleh Al Sada, Minister of Energy and Industry for his continuous support to Qatargas.

Qatargas is committed to develop and recognise all of its employees. In particular, the company is committed to attract, develop and retain a qualified Qatari workforce, through its well established 'Quality Qatarization' development programme, aimed at equipping the national work force with the knowledge and competencies required to excel in their careers.



It is the hard work, commitment and dedication of our people that have made all our achievements over the years possible and made Qatargas what it is today."

Qatargas Chief Executive Officer, Khalid Bin Khalifa Al Thani.

QATARGAS CADRE LEADERS INSPIRE STUDENTS

Leaders from Qatargas motivate students at Al Khor International School (AKIS) as part of their career guidance.



A number of Qatargas Cadre leaders visited Al Khor International School (AKIS) in order to share their professional experiences with students who were currently considering their future options and careers.

The Qatargas leaders engaged the students and one of the key messages was to make students realise that, first and foremost, they have to be passionate about what they want to do in the future.

Nasser Al Issa, Head of Maintenance Services, inspired the students stating, "Liking what you do is doing it because you want to not because you have to. When you do something you like and you're strong at it, what is stopping you? Nothing."

Ali Al Sulaiti, Head of Qatarization and National Development, emphasised the importance of hard work at school and university. He talked at length about his own university experiences in the USA, the challenges he faced and how these challenges allowed him to be

successful in his career.

Hessa Al Nesf, Corporate Planning Analyst, explained to students that their careers would develop and grow as they progress. She described how her own career had developed.

Simon Day, Head of Leadership Development and Succession Planning urged students to always keep an open mind to opportunities and not to be afraid if they did not know what they wished to do in the future.

Lana Kulas, University and Careers Adviser at AKIS, said, "This experience has been completely invaluable for our students. To have the opportunity to listen and speak with such a wide range of professionals from one of the world's leading companies has been an eye-opening experience for the students."

Qatargas and AKIS hope to build on this successful partnership and Qatargas hopes to be able to host a number of students over the coming months.

QATAR CUP INVITATIONAL GOLF HELD IN JAPAN

The 12th edition of the Qatar Cup Invitational Golf was held in early April at Ryosen Golf Club, near Nagoya City, Japan.

The event was hosted by Alaa Abujbara, Chief Operating Officer, Commercial and Shipping at Qatargas and a total of 22 players, who enjoyed the social golf day. The event was attended by Japanese liquefied natural gas (LNG) buyers, shipping companies, engineering organisations, shareholders and Qatargas employees.

Noritaka Sakakibara, Secretary General, Japan-Qatar Friendship Association achieved the top position, receiving the winner's cup from Alaa and Akira Kono, Senior General Manager, LNG Group, Nippon Yusen Kaisha was the runner-up.

The 'best gross' prize went to Tetsuro Takano, Chief Representative, General Manager, LNG Market Development, ExxonMobil, with a gross score of 88.

22
Total number of players who participated in the golf event at Ryosen Golf Club in Japan.



Noritaka Sakakibara, Secretary General, Japan-Qatar Friendship Association receiving the winner's cup from Alaa Abujbara, Chief Operating Officer, Commercial and Shipping Qatargas.



Participants at the 12th Qatar Cup Invitational Golf recently held in Japan included Japanese (LNG) buyers, shipping companies, engineering organisations, shareholders and Qatargas employees.

QATARGAS WINS AWARD FOR THE BEST SUSTAINABILITY REPORT OF 2013

Increased Qatarization rates, employee training, working with locally based suppliers and contractors and increased rates of spending on community initiatives all contributed to Qatargas' successful sustainability report in 2013.



This award represents our commitment to further advance the company's sustainability agenda in full alignment with the 2015 vision of Qatargas and the four main development pillars of the Qatar National Vision 2030." - Mr. Abdulaziz Al Mannai, Acting Chief Operating Officer - Administration, Qatargas.



Qatargas has won the Best Overall Sustainability Report award for Qatar's Industry and Energy Sector in recognition of its 2013 Sustainability Report, which offers key updates on the company's economic, social, and environment performance during last year.

H.E. Dr. Mohammed Bin Saleh Al Sada, Minister of Energy and Industry, and Dr. Ibrahim B. Ibrahim, Economic Advisor to H.H. the Emir of the State of Qatar, jointly presented the award to Abdulaziz Mohammed Al Mannai, Acting Chief Operating Officer - Administration, Qatargas. The event was organised by HSE Regulations and Enforcement Directorate (DG) at the Ministry of Energy and Industry.

Commenting on the award, Mr. Abdulaziz Al Mannai said: "We at Qatargas are extremely proud to receive this prestigious award. It is the result of sincere work and dedication by a cross-functional team we formed for this purpose and I would like to take this opportunity to thank them for a job well done. Preparation of the 2013 Sustainability Report provided us with a valuable opportunity to reflect on the progress we made in different fields related to sustainability. This award represents our commitment to further advance the company's sustainability agenda in full alignment with the 2015 vision of Qatargas and the four main development pillars of the Qatar National Vision 2030."

He added: "The Sustainable

Development Industry Reporting (SDIR) Programme, led by Qatar Petroleum's HSE directorate, has provided us with a platform to be part of a sector-wide initiative that focuses on improving its contribution to all elements of our national aspirations. We appreciate the great work done by the Qatar Petroleum team in raising the sustainability profile of the State of Qatar through this unique initiative."

Announcing Qatargas as a winner in the category of 'Excellence in Overall Sustainability Reporting', the three-member international judging committee observed: "The 2013 Sustainability Report

26%
Qatarization rate at Qatargas



H.E. Dr. Mohammed Bin Saleh Al Sada, Minister of Energy and Industry, and Dr. Ibrahim B. Ibrahim, Economic Advisor to H.H. the Emir of the State of Qatar, presenting the Best Overall Sustainability Report Award to Abdulaziz Mohammed Al Mannai, Acting Chief Operating Officer - Administration, Qatargas.

of Qatargas showed strong reference to materiality of issues throughout and alignment between business activities and their wider sustainability context. It also provides clear data and performance narrative, in addition to repeated reference to the Qatar National Vision goals and ambitions."

The Qatargas 2013 Sustainability Report, which is the fourth such report by the company, includes data for the past 4 years as well as insight into the company's future activities towards its 2015 vision. The report highlights the significant milestones achieved by the company in several areas. It mentions that in 2013, Qatargas produced LNG close to the full capacity of its facilities and will continue to do so into the near future. Over the next three years, the company will continue to expand production of other gas-derived products helping to deliver cleaner diesel to Qatar.

Also in 2013, Qatargas delivered first shipments of LNG to four new terminals - one in Singapore, one in Malaysia, and two in China. Each of these shipments was used to commission an ever-growing list of LNG terminals being developed across Asia. Furthermore, three new Sales and Purchase Agreements (SPAs) were signed with some of the world's largest utility service providers in 2013.

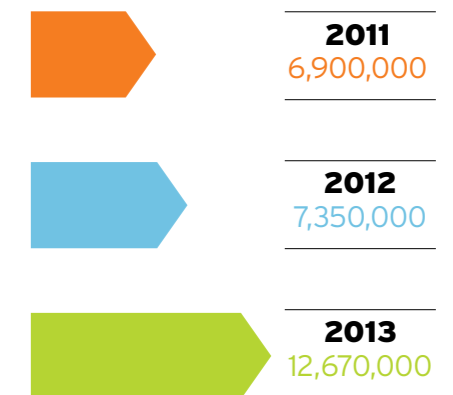
In the field of environment, Qatargas achieved a 20 percent reduction in total hydrocarbon flaring from LNG assets and a reduction in water consumption as compared with previous years. With regard to safety, the company accomplished 20



According to the judging committee the report showed strong reference to materiality of issues and alignment between business activities and their wider sustainability context.



Total social investment spending (QAR)



million safe working hours for its Jetty Boil-Off Gas Recovery Project.

The Qatarization rate advanced to 26 percent and the average training hours per employee rose from 24.7 hours in 2012 to 28.7 hours in 2013. Also last year, Qatargas spent 44 percent of its procurement budget on locally based suppliers and contractors. These key developments were combined with a 70 percent rise in the company's social and community investment spending.



Marine debris is trash, litter and other solid material that ends up on beaches. Common types of marine debris include plastic bags, bottles and cans, fishing nets, bottle caps, lids and even cigarette butts.

ENVIRONMENT IN ACTION

Qatargas is very much aligned with the State of Qatar's vision to contribute towards reducing our carbon footprint. We are doing this through initiatives such as our flare reduction projects, our greenhouse gas management strategy, and ongoing studies for carbon capture, carbon storage and energy efficiency. As the largest LNG producer in the world, Qatargas is committed to the responsible management of our environment and are constantly exploring ways to improve our environmental performance.

This is exemplified by the company's support of the recent 7th GCC Conference on Quality and Environmental Challenges. This important event is addressing one of the most decisive issues of our time: the environment. There are all-out efforts in our society to raise environmental awareness so that we can preserve our precious resources for the future generations. However, these efforts are not sufficient as the challenges we face in this area are enormous and more needs to be done at different levels to address them properly.

Recently, Qatargas hosted its second annual Beach Clean up at Al Ghariya beach in northern Qatar and also participated in the QP Environment Fair, the company's popular and family-friendly stand focusing mainly on water conservation. Moreover, Qatargas' latest initiative is its Energy Campaign, which strives to highlight concerns regarding the wastage of electricity and recommends ways to make our consumption of this key part of our lives far more efficient.

Second Qatargas Beach Clean-up day held at Al Ghariya

A large number of Qatargas employees participated in the second annual Qatargas Beach Clean-up Day held in May at Al Ghariya beach, 85 kilometres north of Doha.

Qatargas launched the annual beach clean-up drive last year in coordination with the Ministry of Environment, as part of the company's continued commitment towards promoting environmental protection and preserving the natural beauty of the State of Qatar for generations to come.

The title slogan for this year's Beach Clean-up drive was 'Our Beaches' with a focus on keeping these clean, so the people of Qatar can enjoy them more. Litter and garbage on the beach can be harmful to the health and safety of beach goers and hazardous to the environment.

This year's activity attracted the participation of a large number of Qatargas employees and the general public. A long stretch of the beach at Al Ghariya was cleaned as part of the event. This involved the collection and removal of several bags of rubbish and debris including plastic bottles and plates, cans, wood and several other items.

Al Ghariya is a popular beach, visited by several people, especially during the weekends. The sandy beach and shallow



The environmental initiative was announced at a press conference held at the Qatargas Doha Head Office, attended by Mansour Rashid Al Naimi, Qatargas Public Relations Manager (right) and Omar Salim Al Naimi, Director of Environmental Protection Department, Ministry of Environment.

water provide a beautiful and relaxing atmosphere. So, in addition to helping protect marine life, the removal of litter and debris from the beach will also make it a cleaner, more beautiful place for visitors.

"We would like to thank all those who participated in the Beach Clean-up, especially the members of the public for accepting our invitation and setting aside a few hours from their weekend holiday to participate in this worthwhile activity," said Mansour Rashid Al Naimi, Qatargas Public Relations Manager. "We also greatly appreciate the continued support from the Ministry of Environment."

"Our message through this initiative is that environmental protection is everyone's responsibility," added Mansour. "The objective of organising the Qatargas Beach Clean-up Day is to do our part as a responsible partner in the State of Qatar's efforts to protect the environment and maintain a balance between economic growth and environmental development. Responsible environmental management is a key element of our Corporate Social Responsibility Programme and our endeavours in this area support and promote the Environmental Development pillar of the Qatar National Vision 2030."

QP ENVIRONMENT FAIR FEATURES POPULAR QATARGAS STAND

The Fair, held at the Qatar National Convention Centre in April under the theme 'Use of Water in the Oil and Gas Industry', involved the participation of Qatar Petroleum, its joint ventures and subsidiaries in a combined effort to promote environmental awareness among the general public.

The theme of the Qatargas stand focused on the company's initiatives to reduce the consumption of water and increase its reuse. Tips and information on water and the importance of this vital resource were highlighted using several interactive methods. The Qatargas stand was highly popular, and attracted hundreds of visitors, including students from several schools across Qatar.

As in previous years, the QP Environment Fair 2014 was open to the public and was focused on community activity rather than corporate initiatives. The Qatargas stand, for example, had activities and information for families and children, including a popular colouring zone themed around water conservation.

An interactive game at the stand provided visitors with useful tips on saving water at home, such as turning off the water while brushing teeth, using washing machines and dishwashers only with full loads, and washing vehicles using a bucket. An informative unit also illustrated how much water is needed to produce common foodstuff, including surprising facts about the water footprint of every day food items.

As water is used for various plant processes in Qatargas, with its primary use being in generating steam used for running turbines, the company demonstrated its advanced wastewater management plans, which seek to achieve sustainable wastewater using filtration and osmosis methods.

By 2016 to 2017, the total daily water requirement in Qatargas is expected to reach around 7500 cubic metres. Such technologies will save approximately 5000 cubic metres of water per day, equivalent to the daily water needs of around 20,000 people. An overall reduction of 60 to 70 percent in water requirement (and consequently wastewater generated) will be achieved.

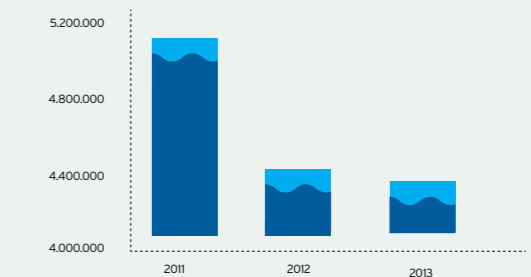
The Qatargas stand at the QP Environment Fair 2014 attracted hundreds of visitors, including students from several schools across Qatar.



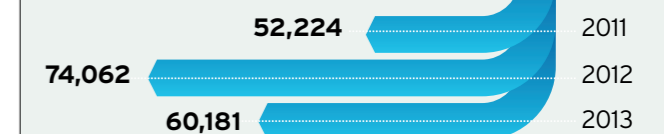
His Excellency Dr. Mohammed Bin Saleh Al Sada, the Minister of Energy and Industry with Qatargas CEO Khalid Bin Khalifa Al Thani at the Qatargas stand at the QP Environment Fair 2014, held at the Qatar National Convention Centre in late April.

WATER CONSERVATION FACTS

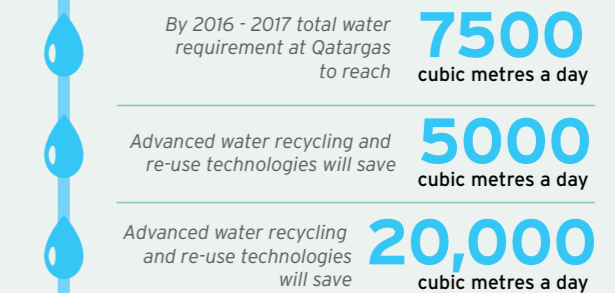
WATER CONSUMED BY QATARGAS



TREATED WASTE WATER USED FOR IRRIGATION (M³)



WATER SAVINGS



Source: Qatargas Sustainability Report 2013

The Qatargas Environment Division also presented a paper on the 'Qatargas Wastewater Reuse Program', outlining the company's aims to target near zero water discharge at Qatargas LNG and Laffan Refinery process facilities by reusing treated wastewater.

As part of the programme, the company is investing in advanced water recycling and re-use technologies that will help recover and reuse nearly 70 percent of process wastewater, and maintain a sustainable wastewater reuse programme through the life span of its facilities.

SEVENTH GCC QUALITY CONFERENCE SUPPORTED BY QATARGAS AS GOLD SPONSOR

The 7th GCC Quality Conference was held under the patronage of His Highness Sheikh Tamim Bin Hamad Al Thani, Emir of the State of Qatar and looked to address some of the most critical environmental challenges facing the Gulf Cooperation Council (GCC) nations.

Qatargas' support to the conference was announced during a press conference held at the Qatargas Doha Head Office which was attended by Khalifa Ahmed Al Sulaiti, Environmental Affairs Manager, Qatargas, Mansour Rashid Al Naimi, Public Relations Manager, Qatargas and Mohammed Saleh Al Kuwari, President of the conference organisers, Gulf Development Center.

"Qatargas is delighted to be part of this important event which is addressing one of the most decisive issues of our time," said Khalifa Ahmed Al Sulaiti, Environmental Affairs Manager, Qatargas. "Our environment has always been of paramount importance to us at Qatargas and it is one of the key focus areas of our corporate social responsibility strategy. We in Qatargas are very much aligned with the State of Qatar's vision to contribute to reducing our carbon footprint and are doing so through initiatives such as our flare reduction projects, our greenhouse gas management strategy, and ongoing studies for carbon capture, carbon storage and energy efficiency. As the largest LNG producer in the world, Qatargas is committed to the responsible management of our environment and are constantly exploring ways to improve our environmental performance."

Mohammed Saleh Al Kuwari, President of the Gulf Development Center expanded on this sentiment, adding, "We are thankful to Qatargas for their support to this conference which will offer a major avenue for industries and businesses to exchange knowledge and share best practices."

Main topics discussed at the conference included the importance of quality as an essential step in the way of compliance with local and international environmental standards; reduction of environmental pollution caused by industrial, construction and medical waste; environmental damage resulting from different emissions and how to reduce them (carbon tax). The conference also highlighted the importance of environmental impact assessments to identify environmental challenges and develop solutions, and reviewed initiatives and innovative solutions to ensure the sustainable development of all elements of the environment.

An exhibition was also held as part of the conference, where Qatargas showcased an interactive model showcasing the Jetty

1.6 million

Tonnes of potential emissions of CO2 into the atmosphere that will be negated by the USD 1 billion (QAR3.64 billion) Qatargas JBOG Project.



Khalifa Ahmed Al Sulaiti, Environmental Affairs Manager, Qatargas, (left), Mohammed Saleh Al Kuwari, President of Gulf Development Center, (centre) and Mansour Rashid Al Naimi, Public Relations Manager, Qatargas (right) at the press conference announcing Qatargas' support as Gold Sponsor of the event.

Boil-off Gas (JBOG) project, highlighting how Qatargas will reduce flaring at the LNG jetties by over 90 per cent during the LNG ship loading process.

The USD 1 billion (QAR3.64 billion) project, which is expected to be operational later this year, will save the emission of 1.6 million tonnes of carbon dioxide into the atmosphere. One trillion cubic feet of gas will also be saved for the State of Qatar over a period of 30 years in one of the largest investments for flare reduction in the world.

ENERGY conservation is easy



25%

Hot water's contribution to the average household energy bill.

As part of its commitment to the environment, Qatargas recently launched an Energy Conservation Campaign in line with its Go Green Initiative, highlighting tips and tricks for energy conservation both at home and in the workplace.

Whether we realise it or not, we constantly seek out easy solutions to almost all aspects of our lives, from home and on the job to our portable phones and choice of cars. However, we forget the fact that the air-conditioned homes, electronic gadgets, office equipment and single use products we enjoy today did not exist a few decades ago. More importantly, we do not always realise just how important energy is to our lives, as the source of our easy living, energy has become undervalued and overused.

The individual choices we make in our daily lives play a significant role in our energy consumption. The fact is: energy conservation is easy. Even the simplest actions, such as turning off lights at home and at work can have an impact.



The individual choices we make in our daily lives play a significant role in our energy consumption.

WHY SHOULD WE CONSERVE ENERGY?

- It protects the environment.** Through energy conservation, we can help reducing the impact of emissions and discharges from power generation, which contributes to climate change. Saving energy reduces the amount of CO₂ released into the atmosphere and reduces other gas emissions.
- It conserves resources.** Fossil fuels are finite. The less we use now, the more will remain for future generations.
- It saves money.** As the price of powering our homes and lives rises, many are looking for ways to use less energy.

We can easily be part of the solution rather than the problem. With this in mind, Qatargas was proud to launch its Energy Conservation Campaign in June 2014. Please take the time to read the information provided during this campaign, including the suggestions below for a few simple changes to everyday habits, both in our office and home.

Easy Home Energy Saving Tips

- Minimise hot water use - hot water is responsible for around 25 percent of the average household energy bill. Wash clothes in cold water and wait until there is a full load, only running the dishwasher when it is full and fit a low-flow showerhead.
- Choose efficient appliances - if you're buying a new fridge, freezer, television, washing machine, clothes dryer, dishwasher or air-conditioner, look for the Energy Rating Label. Turn off appliances that are not in use.
- Cool efficiently - for each degree Celsius of increased cooling, energy use increases by five to ten percent. Set your thermostat to 22 or 23 degrees Celsius during warmer months, close internal doors and only cool the rooms in use.
- Reduce lighting - change to energy-efficient halogen, CFL and LED bulbs, open curtains and use natural lighting whenever possible. Turn off all lights when not in use.

Easy Office Energy Saving Tips

- Your monitor uses up to 75 percent of the energy powering your computer. Turn it off when not in use and shut down your computer when you go home.
- Turn off photocopiers, printers, machines and other equipment during off-hours and unplug chargers for laptops and cell phones when not in use.
- Turn off your lights when you leave your office, and in other unoccupied areas such as meeting rooms. If your lights can be controlled separately, turn them off whenever there is enough natural light available.



SHEIKH KHALID BIN ABDULLA AL THANI ON 'MAKING AN IMPACT' AT TEXAS A&M QATAR RESEARCH AND INDUSTRY FORUM




Qatargas Chief Operating Officer, Engineering and Ventures, Sheikh Khalid Bin Abdulla Al Thani delivered a keynote speech at the third Texas A&M Qatar Research and Industry Forum.

The Forum, titled 'Research and Industry: Making an impact' was held in April at the Qatar National Convention Centre. The event is designed to promote dialogue between the university and industry and ensure the maximisation of shared opportunities and pursuit of mutual interests.

During his address, Sheikh Khalid Bin Abdulla Al Thani shared an industry perspective on the theme. "Qatargas represents a great example where research and technology can make a significant impact on our Industry and the State of Qatar," he said. "We are active members of the local academic and research community supporting the Process Safety

Center here at Texas A&M and the Gas Processing Center at Qatar University."

The speech touched upon several topics including climate change, carbon capture and storage, alternative fuels and technology, renewable energy sources and Qatargas' JBOG flare reduction initiative. This, Sheikh Khalid said will reduce flaring at the company's LNG berths by up to 90 per cent, representing an overall savings of approximately 29 billion standard cubic feet of flared gas each year - enough to power 300,000 homes - and help reduce Qatargas' emissions footprint by approximately 1.6 million tonnes of CO₂ annually. 

QATAR SOCIETY OF PETROLEUM ENGINEERS SPONSORSHIP

Qatargas has extended financial support to the Qatar Society of Petroleum Engineers (QSPE), the local chapter of the world renowned Society of Petroleum Engineers (SPE), enabling local petroleum engineering professionals to share knowledge and benefit from industry-recognised technical experts.

The financial contribution to QSPE was handed over by Hani Hussain, Reservoir and Production Manager at Qatargas, to Ali Al Mana, Treasurer of QSPE.

"We are pleased to support Qatar Society of Petroleum Engineers," said Hani, "as it provides yet another platform for us to participate in developing our energy and petroleum industry by

educating young professionals and preparing them for the future."

Hani added that as part of this support, Qatargas would be sponsoring QSPE's monthly Distinguished Lecturer programme, where internationally renowned experts come to Qatar to share their experiences and through this, Qatargas staff would also be able tap into



Hani Hussain, Reservoir and Production Manager at Qatargas (right) presenting a memento to Ali Al Mana, Treasurer of QSPE.

SPE's global network.

Ali Al Mana, Treasurer of Qatar Society of Petroleum Engineers said they were very pleased to accept this sponsorship and added, "Qatargas had extended its support to QSPE's activities during the past season, which helped us to provide an avenue in which the local petroleum engineering professionals could share knowledge and benefit from ideas of industry-recognised technical experts." 

Qatargas sponsors Stenden University students' event

University students gain experience in event management while also supporting children with Intellectual and Developmental Disabilities (IDD)



Students from Stenden University receive memento from Mansour Rashid Al Naimi


Qatargas has extended its support to a group of students from Stenden University, Qatar, in organising a recreational event aimed at increasing public awareness of Intellectual and Developmental Disabilities (IDD) and to reduce the societal stigmatisation of disability.

The event named 'The Bigger Picture', was organised by a group of Qatari and expatriate students at Stenden University and included group-related activities and games for students of Shafallah Centre, Aswaj Institute, Al Noor and HOPE Qatar.

The event was announced at a ceremony in the Qatargas Doha Head Office, attended by Mansour Rashid Al Naimi, Public Relations Manager at Qatargas, Shams Zaman, Project Manager from Stenden

University and students Hedda Heinelt, and Gaoyuan Chen.

"We were pleased to extend support to students of Stenden University, Qatar, for organising this event as part of their graduate studies," said Mansour Al Naimi, Qatargas PR Manager. "This sponsorship builds upon our strategy to support our community and contribute towards achieving the Qatar National Vision 2030."

The event consisted of activities to highlight the concept of synergy and its message was to lift the morale of those with special needs and remove all obstacles integrating them into society. Students of Stenden University, Qatar organised the event as part of the Events Management minor offered at the university. 

'World Blood Donor Day' recognises Qatargas

With the help of Qatargas, Hamad Medical Corporation hosted a successful blood donation awareness campaign.




Osama Ibrahim, Chief Medical Officer, Qatargas (left) receives memento for Qatargas' support of Hamad Medical Corporation's blood donation day.

Qatargas was thanked by Hamad Medical Corporation (HMC) in recognition of its ongoing support for the corporation's Blood Donation drive at the 2014 'World Blood Donor Day' celebration, held under the patronage of His Excellency Abdullah Khaled Al Qahtani, Minister of Public Health and Secretary General of the Supreme Council of Health.

On behalf of Qatargas, Dr. Osama Ibrahim, Chief Medical Officer, received a memento in recognition of Qatargas' support as 'Platinum Sponsor' of the 'World Blood Donor Day' celebration and another for Qatargas' efforts in supporting HMC's blood donation campaigns.

During the ceremony, the HMC recognised the contributions of the donors in helping disseminate the culture of voluntary blood donation in society, and in helping the hospital's blood

bank increase its supply of blood.

Qatargas has been organising blood donation campaigns at its premises over the past several years, in cooperation with HMC. 'World Blood Donor Day' is celebrated worldwide on June 14 to raise awareness of the need for safe blood and blood products and to thank voluntary blood donors for their life-saving contribution. 

Individuals and organisations were recognised for helping to disseminate the culture of voluntary blood donation in society.

AL SHAMAL CROWNED 2014 QATARGAS LEAGUE CHAMPIONS


Organised by the Qatari football governing body Qatar Football Association (QFA), the first edition of the Qatargas League kicked off in September 2013 and concluded in April 2014, with 12 local teams participating and Al Shamal emerging as overall champions.

Al Shahaniya claimed second place after winning against Al Sadd with a score of 7-0, raising their point tally to 35. Al Arabi placed third after winning against Al Khor with a score of 6-1 and increasing their total points to 33. Both second division clubs, Al Shamal and Al Shahaniya, have ascended to the Qatar Stars League, and will compete as first division clubs starting next season.

"We would like to congratulate Al Shamal and Al Shahaniya clubs," said Ghanim Al Kuwari, Qatargas Chief Operating Officer, Administration. "Our support to this tournament is part of Qatargas' support for sports in general, and football in particular due to its immense popularity in Qatar. We would

like to congratulate QFA for organising a fantastic tournament and thank them for providing us the opportunity to be part of it."

Matches for the Qatargas League were played in nine different stadia including Al Sadd, Qatar, Al Gharrafa, Al Rayyan, Lekhwiya, Al Arabi, Al Wakrah, Al Khor, and Al Sailliya. Two teams from the second division will ascend to Qatar Stars League (QSL), whilst the 13th and 14th place teams in QSL will be relegated to the Qatargas League.

"We are very proud to have organised this league with Qatargas," said Saoud Al Mohannadi, Vice President of QFA, "and look forward to working with them on future joint projects." 



We are very proud to have organised this league with Qatargas, and look forward to working with them on projects that feed into the development of football across the country." - Saoud Al Mohannadi, Vice President, QFA.



QATAR RAIDERS CUP UNDER-12 ICE HOCKEY TOURNAMENT

The prize distribution ceremony of the Qatar Raiders Cup under-12 Ice Hockey Tournament 2014 was held at Villagio Ice Rink in May. The tournament was hosted by the Qatar Minor Ice Hockey Association (QMIHA) with teams from different Gulf cities participating. Qatargas was the Pearl Sponsor of QMIHA's 2013 to 2014 Ice Hockey Season.

Hamad Ali Al Awi from the

Qatargas Public Relations Department handed over medals and trophies to the winners. Matches were played in A, B and C divisions with 12 different teams that consisted of a total of 138 players representing ice hockey associations from Qatar, Abu Dhabi, Dubai, Al Ain, Dhahran (KSA) and Bahrain.

In the A Division, Dubai Sandstorms took the gold

while Abu Dhabi Storms and Qatar Raiders won the silver and bronze respectively. The B Division was also won by Dubai Sandstorms, while Abu Dhabi Storms took the silver and Dhahran Saad Falcons the bronze. The C Division was won by Al Ain Vipers and the silver went to the Abu Dhabi Storms.

Qatargas' support to the game of Ice Hockey forms

part of its corporate social responsibility strategy in supporting evolving sports and games in Qatar, thereby contributing to the goals of the State of Qatar's National Vision 2030. QMIHA President Heather Ryan thanked the association's sponsors, including Qatargas, for their continued support of minor hockey in Qatar and in the GCC. 