

THE PIONEER

THE MAGAZINE OF QATARGAS OPERATING COMPANY LIMITED

ISSUE 155

UNRIVALLED ASSETS

QATARGAS EXPANDS TO MEET
GLOBAL LNG DEMAND

MOVING FORWARD

ADHERING TO A STRATEGIC
VISION POST-INTEGRATION



ACHIEVING A SAFE AND SECURE WORK ENVIRONMENT

At Qatargas, safety is a core value. Every day, thousands of employees and contractors adhere to Qatargas' 'Life Saving Rules', resulting in safe working practices. We ensure that safety comes first; our people safely do the rest.

The World's Premier LNG Company
www.qatargas.com





قطر غاز
QATARGAS

QATARGAS CORPORATE SCORECARD

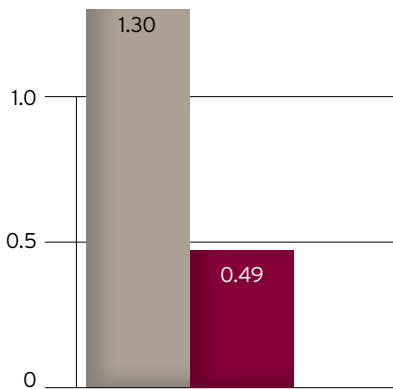
YEAR TO DATE JUNE 2018



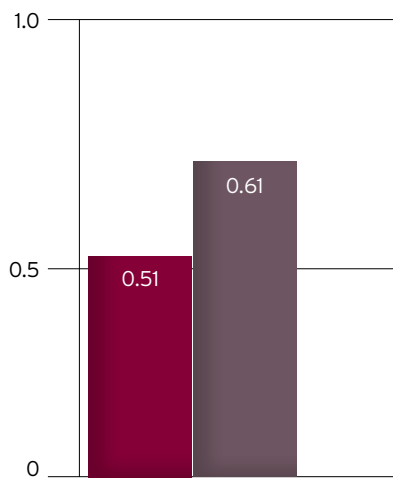
SAFETY, HEALTH AND ENVIRONMENTAL PERFORMANCE

Qatargas outperforming industry

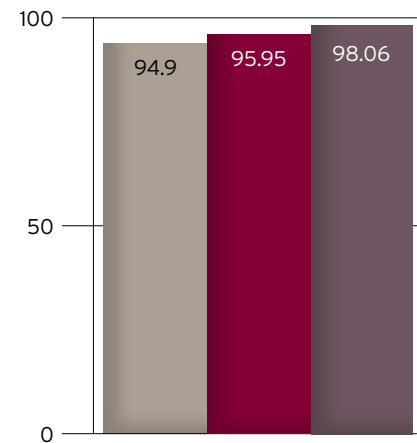
TRIF
{Total Recordable Injury Frequency}



Flaring
{% of Sweet Gas}



Efficient and Reliable Operations
{LNG Reliability}



Industry Average (2017 PTAI) Actual Target

EFFICIENT AND RELIABLE OPERATIONS

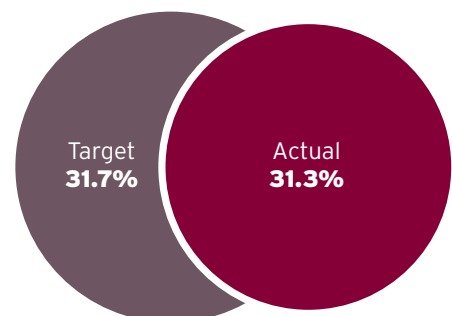
	Industry Average	Actual	Target
LNG Reliability	N/A	95.95%	98.06%
Laffan Refinery Reliability	N/A	99.75%	98.31%
Well Availability	N/A	97.94%	96%

CUSTOMER SATISFACTION

	Actual	Target
Late deliveries - LNG	0%	0%
Positive Responses to Customer Change Requests (over and above firm commitments)	98%	85%

QATARIZATION

A High Calibre and Diverse Workforce
{Total Headcount}



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PIONEER

THE MAGAZINE OF QATARGAS OPERATING COMPANY LIMITED

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ADHERING TO A STRATEGIC VISION AND PURSUING EXCELLENCE



The remarkable evolution of Qatargas in 2018 has yielded both impressive success and tremendous opportunity for all our stakeholders. Almost one year post-integration,

the clarity of our vision and commitment of employees has reaffirmed Qatargas' leading position as the world's largest LNG producing company.

Amidst the complexity of consolidating this new company, it has been extremely

gratifying to note that Qatargas has nevertheless continued to set, pursue and meet ever-higher standards of excellence, reaching new markets and establishing relationships to further entrench our market supremacy.

The announcement to increase Qatar's LNG capacity by 43%, from 77 million tonnes per annum (Mtpa) to 110 Mtpa, will significantly strengthen this position and further enhance the State of Qatar's long-term economic growth.

We remain deeply grateful for the wise leadership and support of His Highness Sheikh Tamim bin Hamad Al Thani, the

Emir of the State of Qatar, which has enabled Qatargas to plan for strategic and competitive growth.

It is thus with great confidence that we look forward. Together with our stakeholders, we will continue building on this success, by adhering to our strategic vision and pursuing excellence in everything we do.

HIS EXCELLENCY SAAD SHERIDA AL-KAABI

MINISTER OF STATE FOR ENERGY AFFAIRS, PRESIDENT AND CEO OF QATAR PETROLEUM AND CHAIRMAN OF QATARGAS BOARD OF DIRECTORS

QATARGAS: A FORMIDABLE PLAYER IN THE GLOBAL ENERGY INDUSTRY



It is with great pride that Qatargas enters this final quarter of our first post-integration year with significant achievements across all groups. We have achieved

many of the significant milestones that we set for ourselves in our journey to become a unique global energy operator in terms of size, service and reliability.

This unparalleled feat would not have been possible without the support and commitment of all our stakeholders including our employees, shareholders and customers. For many, this year has been challenging, yet transformative, unequivocally establishing Qatargas as a formidable player in the global energy industry.

Today, we are the largest Liquefied Natural Gas (LNG) producer in the world, operating 14 LNG trains with a total annual production capacity of 77 million tonnes. In addition, we operate two of the world's largest condensate refineries, the world's second largest helium production facility and own the world's largest chartered fleet of LNG vessels.

This all took place during a period of rapid growth in the demand for natural gas, and further positive sentiment about the future of gas as a global energy source.

In recent months, we have expanded our reach, with a 22-year LNG Sale and Purchase Agreement with PetroChina, and delivered our first LNG cargoes to customers in Bangladesh and Singapore. We also announced a Memorandum of Understanding with the Electricity Generating Authority of Thailand,

deepening collaborative efforts between our companies, and laying the foundation for a mutually beneficial long-term relationship.

Internally, Qatargas' people, performance and initiatives have ensured a successful year and we have laid the groundwork for the critical strategic planning that will guide Qatargas through its next phase.

Looking ahead, I am confident that we are fully equipped to continue our journey as the World's Premier LNG Company.

KHALID BIN KHALIFA AL THANI CHIEF EXECUTIVE OFFICER, QATARGAS

UNRIVALLED ASSETS TO MEET GLOBAL LNG DEMAND

With its recent consolidation, Qatargas has streamlined its assets and operations into a single formidable entity, comprising world-class offshore and onshore installations.

QATARGAS

THE WORLD'S PREMIER LNG COMPANY

Fed by the offshore operations of North Field Bravo and RasGas Alfa, Qatargas now has 14 LNG trains, six of which are the largest in the world. Known as megatrains, each has a production capacity of more than 7.8 Mtpa. In addition, Qatargas operates two condensate refineries, two helium refineries, Ras Laffan Terminal for all non-LNG products, two pipeline sales gas trains for the domestic market and a dedicated fleet of 70 chartered ships carrying reliable and clean LNG to customers throughout the world.



Qatargas North Field Bravo Platform.

77 Mtpa

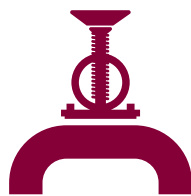
Qatargas' annual LNG production capacity is 77 million tonnes per annum (Mtpa).



OFFSHORE OPERATIONS

NORTH FIELD BRAVO (NFB) AND RASGAS ALFA (RGA) OFFSHORE COMPLEXES

OFFSHORE PRODUCTION
183 WELLS



SUPPLY
16.5

billion standard cubic feet per day (bscfd) of sour gas

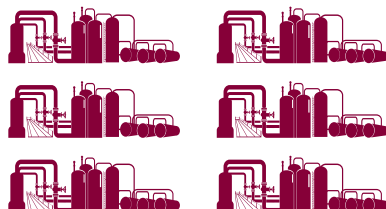
HELIUM REFINERIES 1 AND 2



ONSHORE FACILITIES
14 LNG TRAINS



INCLUDING SIX 'MEGA TRAINS' OF 7.8 MTPA EACH



ASSOCIATED PRODUCTS



LIQUEFIED PETROLEUM GAS (LPG)



NATURAL GAS LIQUIDS (NGL)



SULPHUR



ETHANE



HELIUM

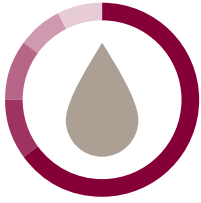


FIELD CONDENSATE

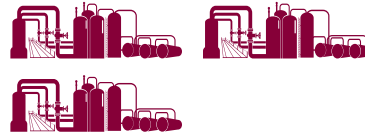
OPERATIONS ONSHORE

OPERATIONS NORTH - LNG TRAINS

QATARGAS 1 OWNERS



- 65% Qatar Petroleum
- 10% Total
- 10% ExxonMobil
- 7.5% Marubeni
- 7.5% Mitsui

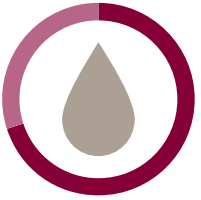


TRAIN CAPACITY
THREE TRAINS
OF 3.3 MTPA EACH



FIRST LNG CARGO
1996

QATARGAS 2 OWNERS TRAIN 4

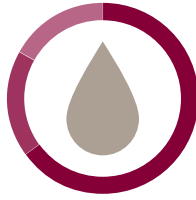


- 70% Qatar Petroleum
- 30% ExxonMobil



TRAIN CAPACITY
TWO LNG TRAINS
OF 7.8 MTPA EACH

OWNERS TRAIN 5



- 65% Qatar Petroleum
- 18.3% ExxonMobil
- 16.7% Total

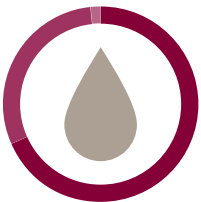


FIRST LNG CARGO
2009

Qatargas North LNG Train.



QATARGAS 3 OWNERS



- 68.5% Qatar Petroleum
- 30% ConocoPhillips
- 1.5% Mitsui

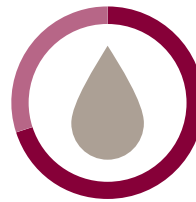


TRAIN CAPACITY
ONE LNG TRAIN
OF 7.8 MTPA



FIRST LNG CARGO 2010

QATARGAS 4 OWNERS



- 70% Qatar Petroleum
- 30% Royal Dutch Shell



TRAIN CAPACITY
ONE LNG TRAIN
OF 7.8 MTPA



FIRST LNG CARGO 2011

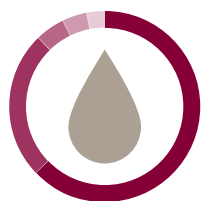
OPERATIONS ONSHORE

OPERATIONS SOUTH - LNG TRAINS

306,600
Laffan Refinery's total processing capacity per stream day (bpsd).

RAS LAFFAN LIQUEFIED NATURAL GAS COMPANY LIMITED - 'RL'

OWNERS



63% Qatar Petroleum

25% ExxonMobil RasGas Inc.

5% Koras Ras Laffan

4% Itochu

3% LNG Japan



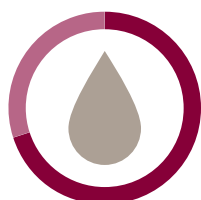
TRAIN CAPACITY
TWO LNG TRAINS OF 3.3 MTPA EACH



FIRST LNG CARGO
1999

RAS LAFFAN LIQUEFIED NATURAL GAS COMPANY LIMITED (II) - 'RL (II)'

OWNERS



70% Qatar Petroleum

30% ExxonMobil RasGas Inc.



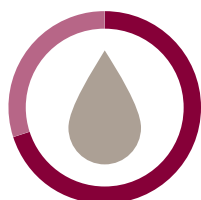
TRAIN CAPACITY
THREE LNG TRAINS OF 4.7 MTPA EACH



FIRST LNG CARGO
2004

RAS LAFFAN LIQUEFIED NATURAL GAS COMPANY LIMITED (3) - 'RL3'

OWNERS



70% Qatar Petroleum

30% ExxonMobil Ras Laffan (3)



TRAIN CAPACITY
TWO LNG TRAINS OF 7.8 MTPA EACH

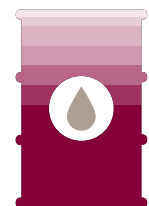


FIRST LNG CARGO
2009

LAFFAN REFINERY

LAFFAN REFINERY COMPANY LIMITED - 'LR1'

SHAREHOLDERS



51%	Qatar Petroleum	10%	Idemitsu
10%	ExxonMobil	4.5%	Mitsui
10%	Total	4.5%	Marubeni
10%	Cosmo		

160,600 Laffan Refinery's total processing capacity by barrel per stream day (bpsd)

PRODUCTION CAPACITY

81,000 bpsd of naphtha

935 tonnes per day (11600 bpsd) of liquefied petroleum gas (LPG)

27,000 bpsd of gasoil

61,000 bpsd of kerojet

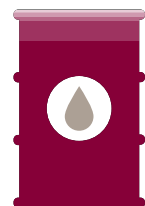


FIRST PRODUCTION
2009

LAFFAN REFINERY 2

LAFFAN REFINERY 2 COMPANY LIMITED - 'LR2'

SHAREHOLDERS



84%	Qatar Petroleum	2%	Idemitsu
10%	Total	1%	Mitsui
2%	Cosmo	1%	Marubeni

146,000 Laffan Refinery 2's total processing capacity by barrel per stream day (bpsd)

PRODUCTS

72,000 bpsd of naphtha

60,800 bpsd of kerojet (A-1)

54,000 bpsd of ultra low sulphur diesel



190 tonnes per day (2350 bpsd) of propane and 660 tonnes per day (8200 bpsd) of butane



STARTED COMMERCIAL PRODUCTION:
23 DECEMBER 2016 (LR2).
DHT STARTED PRODUCTION IN 2014.

OPERATIONS ONSHORE HELIUM

The Helium 1 and 2 facilities, along with a new Helium 3 facility currently under development, have a combined production capacity of 2.6 billion standard cubic feet per year.

HELIUM 1 PRODUCTION CAPACITY



700 million standard cubic feet per year (more than 9 tonnes per day)

Production stands at more than 600 containers per year.

FIRST
PRODUCTION
2005



HELIUM 2 PRODUCTION CAPACITY



1.5 billion standard cubic feet per year (more than 18 tonnes per day).

Production stands at more than 1,400 containers per year.

FIRST
PRODUCTION
2013



AL KHALEEJ GAS

Qatargas operates the Al Khaleej Gas (AKG) trains, AKG-1 and AKG-2, supplying approximately two billion standard cubic feet per day (bscfd).

AL KHALEEJ GAS 1 (AKG-1)



PRODUCTION

750 million standard cubic feet per day of sales gas (mmscfd)



INAUGURATED
2006

AL KHALEEJ GAS 2 (AKG-2)



PRODUCTION

1,250 million standard cubic feet per day of sales gas (mmscfd)



INAUGURATED
2010

RAS LAFFAN TERMINAL OPERATIONS (RLTO)



CONTRIBUTORS

Qatargas
Qatar Petroleum
Laffan Refinery
Al Khaleej Gas
Dolphin Energy Limited
Qatar Shell GTL
Oryx GTL
Ras Laffan Olefins Company

RLTO

RLTO operates a Tank Farm for storage and loading of condensate and finished products, as well as a Refinery feed, seven Jetties, two Single Point Mooring facilities (SPMs) and a Common Sulphur Plant (CSP), and exports:



Field condensate (Deodorized and Untreated), Plant Condensate, Low Sulphur Condensate and Liquefied Petroleum Gas (LPG)



Gas-to-liquids (GTL) production of naphtha



Granulated Sulphur



Refinery products including naphtha, jet fuel and gasoil as well as base oils

COMMON LNG FACILITIES

7 RICH LNG TANKS

Total design capacity - 760,000 M³



8 LEAN LNG TANKS

Total design capacity - 1,120,000 M³



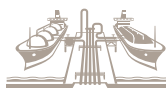
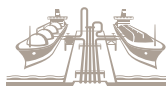
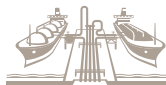
JETTY BOIL OFF GAS

Two Trains with total design capacity of 163 tonnes/hour



6 LNG BERTHS (2 RICH + 4 LEAN)

Total design capacity - 76,200 M³/hr



LNG SHIPS

TOTAL LNG VESSELS 70

CONVENTIONAL VESSELS

Capacity of between 137,000 to 152,000 cubic metres



x 25

Q-FLEX VESSELS

Capacity of between 210,000 to 217,000 cubic metres



x 31

Q-MAX VESSELS

Capacity of between 263,000 to 266,000 cubic metres



x 14

QATARGAS JOINS INDUSTRY INFLUENCERS AT THE WORLD GAS CONFERENCE 2018

A high-level delegation from Qatar headed by His Excellency Saad Sherida Al-Kaabi, Minister of State for Energy Affairs, President and CEO of Qatar Petroleum and Chairman of Qatargas Board of Directors, Khalid bin Khalifa Al Thani, Chief Executive Officer, Qatargas, and a number of senior executives from both companies, participated in the prestigious 27th World Gas Conference, held in the United States.



More than 600 speakers addressed thousands of energy sector delegates at the event in Washington, highlighting issues such as environmental sustainability, strategy, distribution and storage, and the expansion of the global Liquefied Natural Gas (LNG) trade.

HE Saad Sherida Al-Kaabi, Minister of State for Energy Affairs, President and CEO of Qatar Petroleum and Chairman of Qatargas Board of Directors, participated in a high level and distinguished panel discussion on the challenges and opportunities facing the global gas industry.

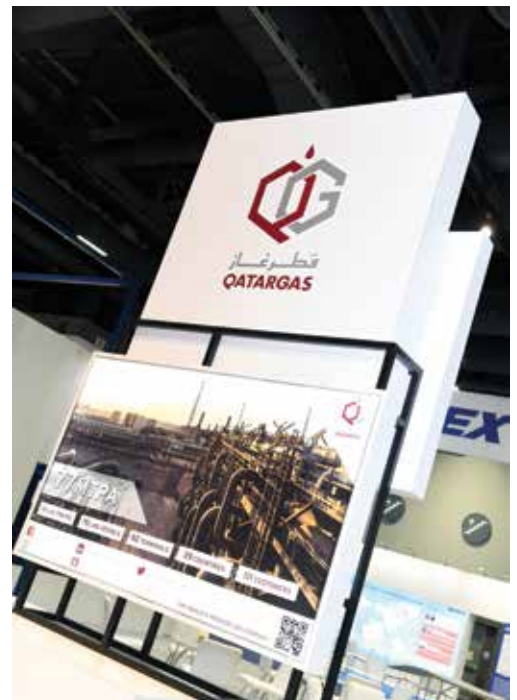
HE Al-Kaabi also tackled the opportunities that lie ahead in the LNG industry by placing emphasis on the rising demand for LNG as the cleanest of hydrocarbon fuels.

Qatargas representatives from various areas of the business also addressed the audience in the technical streams. Noora Al Derham, Facilities Development Planning Specialist, and Mohamed Al Sherawi, Head of Reliability-Centred Maintenance and Maintenance Engineering, presented papers under the conference's theme 'Fuelling the Future'.

Noora Al Derham participated in the opening-day session, 'Transmission Pipelines - Techniques, Technologies and Implementation', and presented under the topic 'Captured CO₂ Treating and Transportation: Challenges and Lessons Learned'. Her paper summarised some of the challenges and lessons learned during the planning phase of the CO₂ Export Facilities Project, developed by Qatargas.

In presenting his paper, titled 'Success Story: Implementing Effective Obsolescence Management at Qatargas', Mohamed Al Sherawi identified technological innovation, research and commercial factors as reasons for the rapid obsolescence of product within the oil and gas sector. The paper was well received by those attending the session, entitled 'Enhancing LNG Facility Functionality and Capability: Case Studies'.

Additionally, Qatargas exhibited at the Qatar Petroleum pavilion stand, showcasing various projects and milestones.



Main image: Qatargas and Qatar Petroleum official delegation at the WGC 2018 exhibition, which was held alongside the conference.

Top left: HE Saad Sherida Al-Kaabi, Minister of State for Energy Affairs, President and CEO of Qatar Petroleum and Chairman of Qatargas Board of Directors.

Top right: The Qatargas pavilion at the World Gas Conference 2018.

Bottom left: Mohamed Al Sherawi, Head of Reliability: Centred Maintenance and Maintenance Engineering.

HE Saad Sherida Al-Kaabi, Minister of State for Energy Affairs, President and CEO of Qatar Petroleum and Chairman of Qatargas Board of Directors, participated in a high level panel discussion on the challenges and opportunities facing the global gas industry.



POSITIVE OUTLOOK FOR WORLD GAS TRADE AT WGC 2018

WGC 2018 focused on ensuring a sustainable, economical future for natural gas against a positive backdrop for LNG, which enjoyed stronger-than-expected demand, record-breaking growth and increasing prices in 2017.

The industry's growth trajectory is expected to continue, with global LNG trade increasing by as much as 12% from 2016 to 2017, according to the 2018 World LNG Report, which was written by Snam SpA, the International Gas Union and the Boston Consulting Group, and launched at WGC 2018.

The report also stated that in 2017 global gas consumption experienced its strongest growth in more than a decade, noting that the Asia-Pacific region continued to be a driver of global LNG demand, with China adding as much as 12.7 million tonnes (MT) of imports in 2017 - the largest annual growth ever by a single country. With 2017 liquefaction reaching 81 MT, Qatar continues to be the world's leading LNG exporter.

WGC 2018 attendees, policymakers and the sector were encouraged to cooperate to ensure the continued growth, competitiveness, availability and sustainability of gas.

LANDMARK 22-YEAR LNG SPA SIGNED WITH PETROCHINA



Qatargas inked a long-term Sale and Purchase Agreement (SPA) with PetroChina International Company Limited to supply around 3.4 million tonnes of LNG per annum.

Under the 22-year SPA, which runs until 2040, Qatargas will supply LNG from the Qatargas 2 project, a joint venture between Qatar Petroleum, ExxonMobil and Total, to different receiving terminals across the People's Republic of China.

Commenting on the landmark agreement, His Excellency Saad Sherida Al-Kaabi, Minister of State for Energy Affairs, President and CEO of Qatar Petroleum and Chairman of Qatargas Board of Directors, said: "I would like to thank the Government of the People's Republic of China and PetroChina for this important SPA. This agreement underscores Qatar's trusted capability in ensuring energy security to countries around the world, particularly in Asia, as well as its unique position as the world's largest LNG producer, supplying safely and reliably across the globe."

"We are very pleased to be of support to the People's Republic of China in its quest to secure LNG supplies to meet the country's growing energy requirements. As we announce this long-term SPA, we look forward to continuing to supply reliable and clean energy to China and to countries all over the world that seek to use the cleanest fossil fuel available to meet their energy needs."

Khalid bin Khalifa Al Thani, Chief Executive Officer, Qatargas, said: "This is an important milestone for Qatargas. We are very pleased that LNG from Qatargas continues to contribute towards meeting the huge demand for energy in the world's second largest economy. With China expected to become one of the world's largest gas markets, this SPA will further strengthen the existing relationship between Qatargas and PetroChina over the long-term."

"We are very pleased to be of support to the People's Republic of China in its quest to secure LNG supplies to meet the country's growing energy requirements."

HE Saad Sherida Al-Kaabi, Minister of State for Energy Affairs, President and CEO of Qatar Petroleum, and Chairman of Qatargas Board of Directors.



PETROCHINA SPA AND CHINESE LNG MARKET IN NUMBERS



66%

The domestic market share of PetroChina, the country's largest gas supplier.



15%

The growth in Chinese gas consumption in 2017.



40%

The growth in Chinese LNG imports in 2017.



3.4 million tonnes

The amount of LNG Qatargas will supply PetroChina per annum.



22 years

The duration of the long-term contract.

The SPA allows flexibility in delivering LNG to various receiving terminals across China, including the Dalian, Jiangsu, Tangshan and Shenzhen LNG receiving terminals, utilising Qatargas' fleet of 70 conventional, Q-Flex and Q-Max LNG vessels.

PetroChina is China's largest gas supplier, supplying 66% of China's domestic demand in 2017. It is anticipated that the People's Republic of China will become one of the world's largest gas markets. Chinese gas consumption grew by 15% in 2017 alone, with LNG imports growing by more than 40%.

"With China expected to become one of the world's largest gas markets, this SPA will further strengthen the existing relationship between Qatargas and PetroChina over the long-term."

Khalid bin Khalifa Al Thani,
Chief Executive Officer, Qatargas.

THAILAND'S EGAT AND QATARGAS SIGN PARTNERSHIP MEMORANDUM

39%

Natural gas makes up as much as 39% of primary energy consumption in Thailand.





... Above image: MBK shopping mall at night, Bangkok, Thailand. With a rapidly increasing demand for power, the recent MoU signed with Qatargas will improve the country's ability to generate electricity.

The MoU includes scope for the possible supply of Qatari LNG to Thailand, and will focus on enabling both parties to share knowledge and expertise in the procurement and transportation of LNG, as well as of floating storage regasification units (FSRUs).

Qatargas has signed a Memorandum of Understanding (MoU) with the Electricity Generating Authority of Thailand (EGAT) to explore collaborative efforts in the liquefied natural gas (LNG) business.

While the MoU includes scope for the possible supply of Qatari LNG to Thailand, it will focus on enabling both parties to share knowledge and expertise in the procurement and transportation of LNG, as well as of floating storage regasification units (FSRUs).

The Kingdom of Thailand mainly uses natural gas for electricity generation, with natural gas making up as much as 39% of primary energy consumption.

His Excellency Saad Sherida Al-Kaabi, Minister of State for Energy Affairs, President and CEO of Qatar Petroleum and Chairman of Qatargas Board of Directors, said, "Qatargas has a rich history of collaborating with world-class organisations, and we look forward to working with EGAT to identify and evaluate future opportunities to supply EGAT with Qatari LNG."

Commenting on this occasion, Khalid bin Khalifa Al Thani, Chief Executive Officer of Qatargas, said, "As a unique global energy operator in terms of size, service and reliability, Qatargas is very pleased to announce this MoU with EGAT. On behalf of the team, I would like to convey our deep commitment to working with EGAT and identifying world-class LNG solutions which meet their business needs. Once identified, we look forward to the prospect of building a long-term supply relationship with EGAT."

EGAT is Thailand's leading power utility, and, as stated by Kornrasit Pakchotanon, Governor of EGAT, "Qatargas' world-leading LNG supplier status and its strong technology and industry knowledge", would enable the two parties to develop ideal business solutions for Thailand.



LANDMARK LNG DELIVERY A FIRST FOR QATARGAS AND BANGLADESH

The cargo is Qatargas' first long-term agreement to be delivered through ship-to-ship transfer in open water.

Qatargas' delivery of liquefied natural gas (LNG) to the Bangladesh Oil, Gas and Mineral Corporation (Petrobangla) in Bangladesh marked a milestone in the histories of both companies.

The delivery, in April 2018, provided Petrobangla with the commissioning cargo ahead of the first commercial delivery in September. The agreement with Petrobangla is Qatargas' first long-term sale to a FSRU in open water, while Bangladesh becomes the 41st country to start importing LNG in 2018. The Bangladeshi market is expected to be one of the fastest growing LNG markets over the next few years with a number of import terminals already under construction.

The Sale and Purchase Agreement (SPA) between Qatargas and Petrobangla will see Qatargas supplying up to 2.5 million tonnes of LNG for the next 15 years. Qatargas has been the foundation supplier of LNG across the Indian subcontinent, with long term sales agreements supplying the first LNG to Pakistan and India.

"We are delighted to expand our Asian customer base with Bangladesh as our long-term customer," said His Excellency Saad Sherida Al-Kaabi, Minister of State for Energy Affairs, President and CEO of Qatar Petroleum and Chairman of Qatargas Board of Directors. "The successful delivery of our first LNG to Petrobangla highlights Qatar's continued leadership in bringing clean and reliable LNG to new markets and new customers."

Qatargas' delivery to Petrobangla also highlights the Company's continued commitment to ensuring energy security for its customers throughout the world.



QATARGAS-BANGLADESH SPA IN NUMBERS



138,000 m³

The volume of the commissioning cargo delivered to Bangladesh.



2.5 Million Tonnes

The amount of LNG Qatargas will supply to Petrobangla under the SPA.



15 Years

The duration of the long-term contract.

Top and centre right: The SPA signing ceremony was held in 2017.

Main image: The commissioning cargo was loaded aboard the 'Excelerate Excellence', the first such delivery under the long-term Sales and Purchase Agreement (SPA) between Qatargas and Petrobangla.

FIRST LNG CARGO DELIVERED TO SINGAPORE'S PAVILION GAS



The inaugural delivery of LNG to Pavilion Gas in Singapore was sent aboard the Qatargas-chartered Q-Flex vessel, 'Al Oraiq'.

 **1/3**

Pavilion Gas supplies natural gas for one-third of Singapore's industrial requirements.

Qatargas successfully delivered its inaugural cargo of liquefied natural gas (LNG) to Pavilion Gas Pte Ltd, marking the first Qatari LNG to be regasified and sold to Singapore's domestic market by Pavilion, a wholly-owned subsidiary of Pavilion Energy.

The delivery, received in April 2018 from the Qatargas-chartered Q-Flex vessel, 'Al Oraiq', was made to the Singapore LNG Receiving Terminal on Jurong Island, which is used for importing LNG, reloading, and regasification and storage.

Singapore's LNG industry has grown significantly since the completion of the terminal in 2013, and today, approximately 95% of the city-state's electricity is generated using natural gas.

"We have great confidence in Pavilion Gas and the Singaporean market," said His Excellency Saad Sherida Al-Kaabi, Minister of State for Energy Affairs, President and CEO of Qatar Petroleum and Chairman of Qatargas Board of Directors, "and we look forward to building an even stronger relationship with them in the years ahead."

According to Pavilion Gas, the company supplies natural gas for one-third of Singapore's industrial requirements. These include power generation, petrochemicals, biotechnology, pharmaceuticals and the manufacturing sector.

The delivery, received in April 2018 from the Qatargas-chartered Q-Flex vessel, 'Al Oraiq', was made to the Singapore LNG Receiving Terminal on Jurong Island, which is used for importing LNG, reloading, and regasification and storage.



HITACHI LNG TERMINAL IN JAPAN RECEIVES FIRST QATARGAS CARGO

In July 2018, Qatargas delivered its first liquefied natural gas (LNG) cargo to Japan's Hitachi LNG Terminal.

Operated by Tokyo Gas, the Hitachi LNG Terminal is the largest city gas utility in Japan. With the delivery of Qatargas' first LNG cargo to the Hitachi LNG Terminal onboard the Qatargas-chartered LNG vessel 'Al Rayyan', the Company has now delivered LNG to 24 of Japan's 37 LNG regasification terminals.

The LNG consignment was delivered under the existing long-term Sale and Purchase Agreement (SPA) between Qatargas 1 (QG1) and a consortium of seven Japanese buyers, consisting of JERA (formerly Chubu and Tokyo Electric), Tohoku Electric, Kansai Electric, Chugoku Electric, Tokyo Gas, Osaka Gas and Toho Gas. This SPA was signed on 31 December 1994.

The successful delivery highlights Qatar's continued market leadership in bringing clean and reliable LNG to our valued customers. Qatargas has been delivering LNG to Japan since 1997 and delivered more than 10 million tonnes per annum (Mtpa) to Japan in 2017.

The Hitachi Terminal began operation in March 2016. It is one of four LNG receiving terminals operated by Tokyo Gas and the first located outside of Tokyo Bay. It is home to one of the world's largest above-ground LNG tanks with a 230,000-kilolitre LNG-holding capacity (equivalent to 110,000 tonnes of LNG). The construction of a second LNG tank at the Hitachi installation recently commenced and when completed in 2020, will double its capacity to 6.4 Mtpa.

Tokyo Gas is the largest supplier of gas to the Japanese capital city, and is a significant contributor towards ensuring Japan's energy security.

The LNG carrier 'Al Rayyan' delivered the first consignment of Qatargas LNG to Tokyo Gas' Hitachi Terminal in Japan on July 5, 2018.

JAPANESE DELIVERIES IN NUMBERS



8.9
MILLION TONNES

The total amount of LNG delivered per annum to Japan on long-term basis by Qatargas.



24
TERMINALS

The number of LNG terminals in Japan to which Qatargas has delivered its LNG.



21
YEARS

The number of years Qatargas has been supplying Japan with clean and reliable LNG.

PREMIER LEADERSHIP EVENTS CHART COMPANY'S COURSE

Highlights from the first two PLE events of 2018, which laid the groundwork for the strategic planning that will guide Qatargas through the post-integration phase.



Facilitated by Corporate Planning, the Qatargas PLE is held quarterly and brings together the company's main strategic stakeholders, including the CEO, Chief Operating Officers and managers, in an open forum to review the company's performance and initiatives at a strategic level.

The Q1 and Q2 Premier Leadership Events provided a positive touchstone for post-integration Qatargas, offering an open forum and insightful updates.

Q1 Premier Leadership Event: A forum for collaboration

In her welcome address, Rana El Hajjar, Corporate Planning and Enterprise Risk Manager, reiterated the importance of the forum and outlined the challenging goals ahead that would require active collaboration between the extended leadership team.

Safety, Health & Environment

Ashraf Al Hassan, Head of Centre of Excellence, then emphasised the role of leadership in creating and sustaining a strong company culture aimed at preventing serious incidents. He presented a Blueprint for Safety Transformation and underlined the current areas of focus: Personal Safety, Process Safety, and Environmental Performance.

Corporate Scorecard

Khalid Al Jalham, Head of Corporate Planning, presented the first unified balanced scorecard for the company following the merger. Though first quarter performance was on or above target for most of the key performance indicators, there was an active discussion around driving excellence and continuing to drive improvement across the key areas of safety, customer satisfaction and financial performance.

Financial Performance Review

Shaheen Al Ghanim, Budgeting and Cost Control Manager, outlined the company's excellent recent financial results. First quarter operating costs and integration synergy savings were favourable compared to planned targets.

Integration Management Office Plan

Jassim Al Mohannadi, Integration Manager, then communicated the Integration Management Office plan, highlighting the roadmap for the next two years. Key deliverables include stewarding the post-Day One register, facilitating standardisation, rationalisation and synergies, and assessing and sustaining company culture. Al Mohannadi also discussed the standardisation of processes and IT systems of Qatargas, as well as training, governance and reporting. Discussions on the second quarter focused on finalising the work programme and budget for all Qatargas ventures, pursuing the realisation of synergy savings, and exploring new opportunities.

Process Standardisation:

Seven post-integration processes are due to be completed in Wave 1:



Manage Operations S&H Risks



Ensure Asset Integrity



Manage Operational Reliability



Manage Laboratory Services



Ensure Occupational Health



Report and Manage Incidents



Manage Documents

The Premier Leadership Event for the second quarter of 2018 was held on July 31. The day began with participants reviewing Qatargas' Corporate Scorecard, which highlighted areas of success and those that require further attention.

Overall, the first post-merger PLE was a resounding success. The event's teambuilding exercises highlighted the importance of building relationships, active collaboration and performing as effective teams. A high level of engagement and proactive input from the Company's leadership fostered meaningful dialogue that will enhance the ongoing performance of Qatargas.

Q2 Premier Leadership Event: A look ahead

The Premier Leadership Event (PLE) for the second quarter of 2018 was held on July 31. The day began with participants, including senior leadership and management, reviewing Qatargas' Corporate Scorecard, which highlighted areas of success and those that require further attention.

Formulating strategy

This was followed by a roundtable discussion, which facilitated much input on near-term and long-term strategy formulation for the upcoming strategic planning cycle.

Khalil Abunada, Safety and Occupational Health Manager, delivered a detailed safety performance review, followed by a financial performance review presented by Shaheen Al Ghanim, Budgeting and Cost Control Manager. As with the Q1 PLE, both presentations highlighted positive results.

The Process Standardisation initiative received special focus when Prakash Amoli, Head of Qatargas Management System, presented the status of the seven processes due to be completed in Wave 1.

The presentation highlighted the critical success factors that would enable the achievement of this initiative, and provided insight into the processes that will be tackled in Wave 2 of the work plan, which began in mid-September.

As with the Q1 PLE, the Q2 PLE provided a positive touchstone for post-integration Qatargas, offering insightful updates and an open forum that enables the Company to maintain its position as the World's Premier LNG Company.

ANNUAL TECHNICAL MEETING WITH JAPANESE BUYERS

The 19th Six Million Tonnes (6MMT) Technical Meeting between Qatargas and the long-term Japanese LNG buyers' consortium, headed by Tokyo-based JERA, was held in Japan early this year.



22

The number of years the Japanese buyers' consortium has been purchasing LNG from Qatargas.

Qatargas' representation comprised of a team from the Sales Contracts, Shipping and Onshore Operations Departments, with the buyers represented by JERA General Manager, Koichi Takahashi. The objective of the meeting was to exchange operational and technical information in order to enhance and improve safe operations and the reliable delivery and transfer of Qatari liquefied natural gas (LNG).

The meeting further cemented Qatargas' strong and enduring bond with Japan, which has always been based on mutual trust and genuine cooperation. This valued friendship reached its 20th anniversary in 2017 and, to date, Qatargas has supplied more than 2,800 LNG cargoes to Japan.

The next 6MMT Technical Meeting is scheduled to be held in February 2019 in Japan, and will be hosted by Tokyo Gas.

The objective of the meeting was to exchange operational and technical information in order to enhance and improve safe and reliable operations.

Main image: The meeting further cemented Qatargas' strong and enduring bond with Japan, which has always been based on mutual trust and genuine cooperation.

QATARGAS AND ITS JAPANESE BUYERS: 10 COMPANY HIGHLIGHTS

1992	1997	1998	2001	2007	2008
Base SPA signed with Chubu Electric.	Qatargas delivered its first cargo to Chubu Electric in Kawagoe, Japan.	LNG was delivered for the first time to a Japanese consortium of buyers.	20 million tonnes of Qatargas LNG was delivered to Japan.	Qatargas celebrated a decade of LNG delivery to Japan.	1000 th Cargo Delivery ceremony was held at Nagoya, Japan.
2011	2014	2016	2017		
Qatargas met with buyers and offered support to Japan following tsunami and earthquake disaster.	Qatargas 3 signed new LNG SPA with Tohoku Electric Power.	Qatargas and JERA agreed on first spot LNG cargo and Japanese buyers purchased more than 2,600 cargoes from Qatargas.	Qatargas and Japanese buyers celebrated a 20-year friendship.		

SUCCESSFUL 'LEARNING EXPO 2018 - COMMITMENT TO EXCELLENCE'

During the event, participants met with the L&D team, and engaged in bite-sized learning sessions and stimulating interactive games and activities.

In an ever-competitive global workplace, continual learning is increasingly seen as not just advantageous, but essential for advancing one's career.

With this in mind, Qatargas' Learning and Development (L&D) Department hosted a special event titled 'Learning Expo 2018 - Commitment to Excellence'. Two sessions were held in May 2018 at Qatargas Headquarters in Doha and at its North and South plants in Ras Laffan.

Three in-house training sessions were included, the first for employees who were interested in learning more about the Individual Development Plan (IDP) system for national graduates and their coaches. Other sessions covered Gas Value Chain Fundamentals and insights into Stephen Covey's book 'The 7 Habits of Highly Effective People'. A special booth titled 'My Career Path' also provided national graduates an opportunity to imagine their future with Qatargas.

The interactive learning games included a crossword that contained questions related to the services of the Qatargas Competence Development and Performance Management Division. Other games included 'Guess the Behavioural Competence, Inside Out', a personality questionnaire that encompassed questions on individual styles and preferences, and 'Brain Teaser', a paper-based activity with six different characters each representing a separate puzzle related to the L&D Values.



Employees at the L&D Department's 'Learning Expo 2018' participated in both fun-filled learning exercises as well as training sessions that aimed to increase their knowledge and sharpen their competitive edge.

In an ever-competitive global workplace, continual learning is increasingly seen as not just advantageous, but essential for advancing one's career.



THE INDIVIDUAL DEVELOPMENT PLAN BREAKDOWN

The purpose of the Individual Development Plan (IDP) is to provide a framework of standards and effective guidelines for a competence-based training and development programme that will enable Qatari graduates to become fully qualified professionals. The IDP is a component of the National Graduate Development Programme (NGDP), a systematic, structured programme that consists of:

10%

Training Courses

10% formal training courses as required for a particular job or competencies.

20%

Rotational Assignments

20% rotational assignments for general knowledge and orientation achieved by observing and working with peers and coaches.

70%

On-the-job Development

70% on-the-job professional development work assignments related to the targeted position and competencies required.

COUNCIL OF INTERNATIONAL SCHOOLS ACCREDITATION FOR AKIS



In early 2018, Al Khor International School (AKIS) successfully completed a two-year process to secure full Council of International Schools (CIS) accreditation for all three schools licensed under Qatargas: Kindergarten, the Central Board of Secondary Education, India, and the British Curriculum.

CIS is a leader in the field of school evaluation and accreditation worldwide. Their appraisal of AKIS recognises Qatargas' commitment to high quality international education and continuous improvement in keeping pace with leading global educational standards.

CIS International Accreditation is recognised by ministries, departments of education and universities around the world, including in the United States, and facilitates the acceptance of students' transcripts at institutions of higher learning.

As a full-fledged member of the CIS community, AKIS benefits from a worldwide educational network that will allow them to take advantage of a wealth of resources aimed at assisting students in their transition from school to university.

AL KHOR COMMUNITY HOSTS 'SAHA' HEALTH CAMPAIGN

For many, adopting a healthy and active lifestyle is not easy. It takes commitment, dedication, and support. Fortunately, for the past 10 years the Al Khor Community (AKC) has provided professional assistance to all residents interested in making positive lifestyle changes.

SAHA - which means 'health' in Arabic and also stands for 'Stay Active and Healthy Always' - was established to promote health awareness through lifestyle changes and its numerous physical and mental benefits.

All SAHA activities are designed to inspire adults and families through healthy lifestyle workshops and by providing tips via online support. The three-month-long campaign includes monitoring of weight loss and support and advice from personal trainers.

Throughout the initiative, the AKC Medical Team regularly monitored more than 300 participants, catering to their individual needs. The Club's team, with its coaches, recreation staff and a nutritionist, designed a variety of fitness classes, supplemented by nutritional guidance.

With 120 teams losing a grand total of 425.51 kilograms (kg) and 24 families losing a total of 158.3 kg, SAHA was once again declared a massive success at the closing ceremony, held at the AKC Al Waha Club Ballroom.

SAHA is proud of the commitment and dedication of all participants and the organisers are already planning for the special 10-year anniversary in 2019. Congratulations to all participants!



Participants and organisers celebrate the successful culmination of the 2018 AKC SAHA Weight Loss campaign.

JOINT INITIATIVE WITH MOI PROMOTES SECURITY AWARENESS IN AL KHOR COMMUNITY



Qatargas undertook an extensive security awareness programme in the Al Khor Community (AKC) in cooperation with the Ministry of Interior (MOI) Community Policing Division. The two-month programme - which included a series of lectures and practical sessions on a wide range of common security challenges - addressed residents, students and security personnel in AKC.

Speaking at a programme lecture held in May, Hamad Mohammed Al Mannai, Head of Security, Safety and Environment at AKC, said that the aim was to heighten awareness of specific areas of focus, aiding in the State of Qatar's efforts to maintain the highest standards of safety and security for all.

Lectures delivered included topics such as School Violence, Dangers and Risks of Smoking, Fire Prevention, Dealing with Suspicious Acts in Public, Controlling Traffic at AKC, and Interaction with the Security Department.

Security personnel at AKC were also briefed on the services of Community Police and how to more effectively engage them in dealing with different security challenges.

Colonel Sultan Mohammed Al Kaabi, Assistant Director of Community Policing Department, explained that the programme had been designed based on the Ministry's experience in dealing with a wide range of security issues across Qatar.

The information shared helped the audience update themselves on important security challenges facing both the country and within their immediate environs, and comprehensively underscored that security is a shared responsibility of all.

Main image: Residents, students and security personnel attended the highly informative sessions and lectures, which highlighted that security is everyone's responsibility.

Above: Hamad Mohammed Al Mannai, Head of Security, Safety and Environment at Al Khor Community speaks at the inaugural session of the joint security awareness initiative.

Al Khor Community Security Programme Key Topics

Lectures delivered as part of the programme included combating security challenges, such as:



School Violence



Fire Prevention



Interaction with the Security Department



Dealing with Suspicious Acts in Public



Controlling Traffic at AKC



Building a healthy and productive society is a key objective of the Human Development Pillar of Qatar National Vision 2030 and Qatargas' Corporate Social Responsibility initiatives.

EMPLOYEES AND FAMILIES ENJOY SPORTS DAY

Qatargas employees and their families participated in the Qatargas Sports Day, held on National Sport Day in February. Doha activities commenced with a walkathon, which ensured that all participants were sufficiently warmed up to take part in a selection of sports, including football, volleyball, basketball, table tennis, fun cricket and mini golf at Al Gharafa Sports Club.

Participants were also able to check their blood pressure, blood sugar levels, and body mass index at a dedicated health-check area set up by the Qatargas Medical Department.

In Al Khor, a wide variety of events and activities were enjoyed at the Al Khor Community sporting facilities, including a walkathon, football, volleyball, badminton, tennis, table tennis, cricket and athletics.

The highly anticipated annual Qatargas Sports Day is an integral part of the Company's commitment to promoting the health and wellbeing of employees and their families.

STAFF PARTICIPATE IN BLOOD DONATION DRIVE

Qatargas employees and contractors took part in a massive Company-wide blood donation drive at the Qatargas headquarters in Doha, Ras Laffan North and South plants, and Al Khor Community during April.

Held in cooperation with Hamad Medical Corporation (HMC), the objective of the initiative was to contribute to the national blood reserves.

Qatargas has organised blood donation drives for the past 17 years in cooperation with HMC, and the annual event forms part of the Company's Corporate Social Responsibility programme.

Hundreds of Qatargas staff have donated blood during these campaigns, which bolsters the blood bank supply and is used to help accident victims and those with life-threatening diseases who are in need of a blood transfusion.



A Qatargas staff member donates blood inside one of HMC's mobile blood donation centres during the recent campaign.

Blood donations are used to help accident victims and those with life-threatening diseases who are in need of a transfusion.

RAS LAFFAN BEACH CLEAN-UP HELD TO PROTECT QATAR'S ENDANGERED HAWKSBILL TURTLE

Ahead of the annual nesting season of hawksbill turtles, Qatargas employees took part in a beach clean-up drive organised by Qatar Petroleum (QP) along Ras Laffan Industrial City (RLIC) beaches.

The primary purpose of the beach clean-up effort was to ensure that hawksbill turtles arriving to nest on RLIC's beaches will have safe and easy access to build their nests and lay their eggs. These hawksbill turtles are an endangered species and extremely sensitive to any disturbances as they leave the ocean to lay their eggs.

Hawksbills move along the beach by alternately sweeping their fore flippers backwards. If they face any obstacles (such as litter) while doing so, they may return to sea and eject their eggs without burying them, giving them no chance to hatch a new generation of turtles.

While the males spend their entire lives at sea, the females return to land

and visit their nests on several occasions from March to June in the same season, to deposit an average of 100 eggs at a time. Clean and uncluttered beaches are therefore critical to their survival.

Qatargas has been participating in clean-up initiatives along Ras Laffan beaches for this reason for more than a decade. The Company also supports the continued monitoring, identification and protection of nesting site beaches and increased environmental awareness.

Clean and uncluttered beaches are critical to the survival of hawksbill turtles.

Female hawksbill turtles return annually to Qatar's beaches to lay their eggs but are extremely sensitive to litter in their path.

QATAR'S HAWKSBILL TURTLES BY THE NUMBERS



24 years

Hawksbill turtles take an average of 24 years to reach maturity and lay their first eggs.



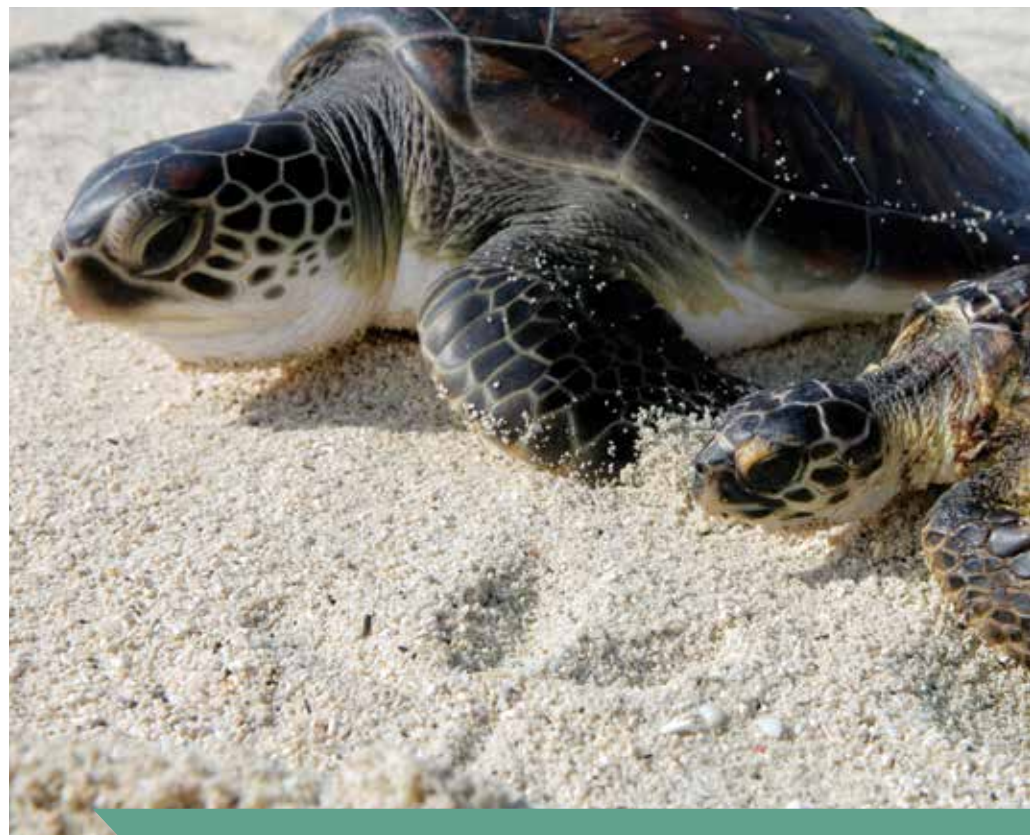
55 days

Hawksbill hatchlings emerge from their eggs after about 8 weeks.



0.5 m

The maximum depth of hawksbill turtle nests, which are dug in a circular shape in the sand.



ZERO LIQUID DISCHARGE PROJECT DEBUTS SUCCESSFULLY IN QATAR

Qatargas' new water recycling facility at Laffan Refinery 2 is the first in the country to eliminate discharge of treated industrial water to the sea.



Located in Ras Laffan Industrial City, the water recycling facility will handle the treated industrial water from Laffan Refinery and LR2.

The project is evidence of Qatargas' ongoing commitment to meet the highest global environmental and quality standards.



70%

70% of the recycled water will be used as boiler feed and cooling water in the Laffan Refineries.



30%

The remaining 30% will be used for irrigation at Ras Laffan Industrial City (RLIC).

In June, Qatargas completed the successful handover of a new water recycling facility at Laffan Refinery 2 (LR2) to reduce water consumption and eliminate the discharge of Treated Industrial Water to the sea.

Seventy per cent of the recycled water will be used as boiler feed and cooling water in the Laffan Refineries; the remaining 30% will be sent to Ras Laffan Industrial City (RLIC) for irrigation purposes.

The Zero Liquid Discharge project is evidence of Qatargas' ongoing commitment to meet the highest global environmental and quality standards. It also highlights the Company's continued efforts to contribute to the objectives set by the Qatar National Vision 2030 to protect the environment and promote

sustainable development for future generations.

Located in RLIC, the facility will handle the treated industrial water from Laffan Refinery and LR2.

Qatargas awarded the engineering, procurement, supply, construction, and commissioning of the new water recycling facility in September 2015. It was constructed and delivered under budget and with zero lost-time incidents, marking further significant achievements for the Company.

Acknowledging the crucial role the LNG industry has to play in advancing the Qatar National Vision 2030 objective of sustainable water use, the water recycling facility is a key project demonstrating the Company's commitment of being environmentally conscious and compliant.

What is Zero Liquid Discharge?

Zero Liquid Discharge, or ZLD, is a complex process that uses advanced technology to limit liquid waste at the end of the industrial or manufacturing process. ZLD is highly beneficial for the environment, as it ensures that no effluent is left over after manufacturing. Many industrial processes require water, and by employing ZLD, companies are able to re-use water, minimising the risk of contaminating and releasing water into the local environment. By investing in ZLD, Qatargas has demonstrated corporate responsibility and environmental stewardship.