



قطر للغاز
QATARGAS

THE PIONEER

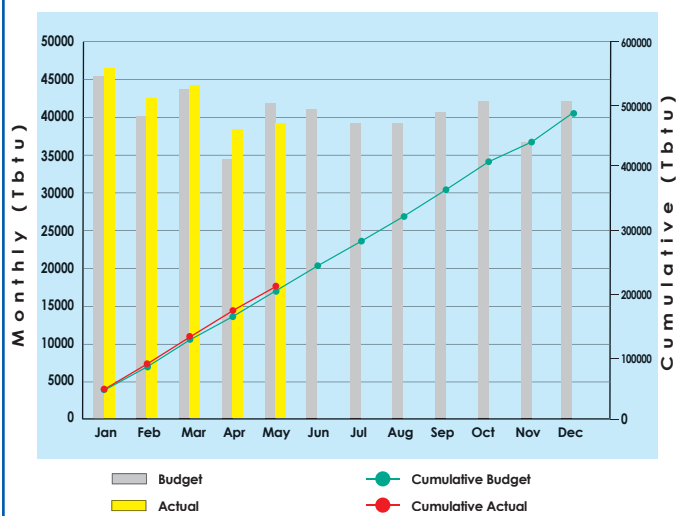
The magazine of Qatargas Operating Company Limited



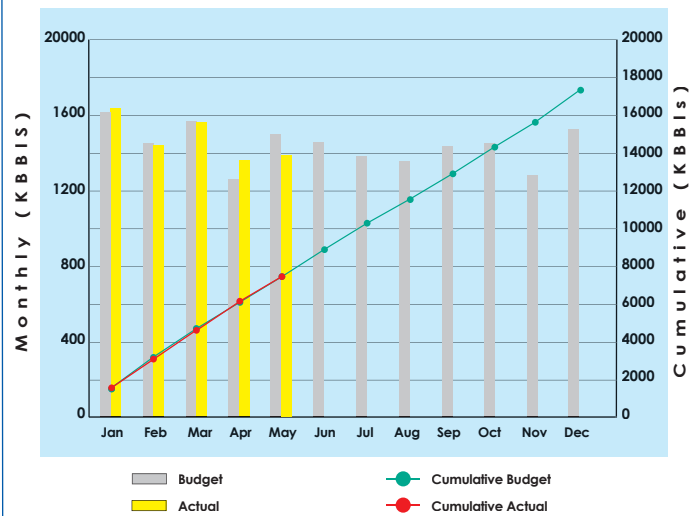
A Decade of Customer Focus

Scorecard 2007

Net LNG Production 2007



Field Condensate Production 2007



Qatargas SEQ Monthly Safety Statistics

Event Description	Qatargas	Contractors
Date of last LTA	1-Jul-02	26-Apr-03
Days worked since last Lost Time Accident	1,795	1,496
Personnel hours worked since last Lost Time Injury	11,011,504	7,876,353
Hours worked since last Lost Time Injury (04-26-03)	17,111,628	

Event Description	Qatargas		QG 2007 Business Plan Targets		Contractors	
	Current Month	Year to Date			Current Month	Year to Date
Number of Lost Time Accidents (LTA)	0	0	0	0	0	0
Number of Medical Treatment Cases (MTC)	0	1	0	0	0	3
Number of Occupational Illnesses (OI)	0	1	0	0	1	1
Number of First Aid Cases (FAC)	1	3	0	0	0	4
Number of Off the Job Injuries (OJI)	0	1	0	N/A	N/A	
Number of Major Fires	0	0	0	N/A		
Number of Minor Fires	2	4	0	N/A	0 3	
Number of Vehicle Incidents	1	1	0	0		
Number of Env. Releases	0	1	0	N/A	N/A	
Number of Env. Spills	0	3	0	N/A		
Number of Moderate to High Risk Potential Incidents	5	31	100	N/A		
Number of Incident Notification	19	140	> 275		0 0	
Number of STOP cards	40	1701	> 4000			
Days Lost due to LTA	0	0				
Hours Worked this Month	184,000				58,752	
Hours Worked this Year	820,424				287,104	
Hours Worked combined (QG/Contractor)			1,107,528			
	Year to Date		Industry Benchmark		Year to Date	
LTA Frequency Rate	0.00		0.20		0.00	
LTA Severity Rate	0.00		2.40		0.00	
Total Recordable Incident Rate	0.24		N/A		2.09	

Our aim is to create an "Incident and Injury Free" site at Qatargas. However, for statistical purposes, targets for motor vehicle incidents and medical treatments are based on Year 2002 actual figures.

Except for Near Miss Reports, we encourage reporting of all near misses so that the hazardous conditions can be eradicated as soon as possible, through corrective actions.

Total near miss cases also include those derived from different categories of incidents/accidents reported such as medical treatment, first aid, minor/major fire, vehicle incidents, spill/release etc.

These derived near misses were also included in the "Total Near-Miss reports" due to their potential to escalate into more serious incidents.

Please note the attached graphs giving an annualized overview of KPI statistics



Customer focus in a global market

It seems only yesterday that Qatargas 1 started delivery of LNG from Qatar to Chubu Electric and seven other Japanese buyers – our foundation customers. More than ten years ago they had the foresight and courage to develop a relationship with us by entering into long term contracts for the first LNG project in Qatar.

The interview with the President of Chubu Electric in this publication bears testimony to the deep relationship between our two organizations. I am certain this relationship, which is based on cooperation and mutual respect, will become even closer as evidenced by Chubu opening a Doha office.

The commitment of these initial customers has created the firm foundation that Qatargas has built upon. Qatargas has expanded with a debottlenecking project increasing the capacity of the three original trains to nearly 10 million tonnes per year. In addition to the Japanese, Qatargas signed a long term contract with Spain and delivered to other spot markets from time-to-time.

Soon new long-term customers will be served by Qatargas 2, 3 and 4 and cover

the rest of the globe, from Mexico, the USA, UK and France. Not only do these new customers have different requirements from our initial customers but, with our shareholders, we have moved further along the value chain into establishing re-gasification terminals in the UK and USA. Qatargas is now linked firmly with the gas markets downstream of the terminal which means that we not only have to understand the LNG market but also the details of the markets beyond the re-gasification terminals. For example, the Golden Pass terminal will access over 10 different interstate pipelines with access to markets as diverse as Florida and New York.

The LNG market itself has also changed significantly over the last ten years with billions of dollars invested around the world in re-gasification terminals and liquefaction projects.

This increased complexity means that as we grow and develop we need to increase the size and breadth of the Qatargas family. The South Hook Gas and South Hook Terminal companies in the UK and the Qatargas liaison office in Japan perform essential roles of

their own but also allow us to deepen our relationships with our customers and greatly assist our understanding of their local markets. Potentially other such offices will follow if needed.

We work hard listening to the customers that we supply and endeavor to serve them in better ways while seeking opportunities to grow our business and capture new demand. We believe one of our best assets to help us grow is the reputation for reliable and safe operations of the Qatargas plant and ships.

Satisfied customers are important to maintaining a successful business. This focus on customers is critical whether it is an external customer like Chubu or an internal customer for the services our employees perform on a daily basis.

Each of our individual commitments to reliability and safety ultimately has an impact to all our customers - every single one of us is important in the delivery of customer satisfaction.

Faisal M. Al Suwaidi
Chairman and Chief Executive Officer

Chubu Electric – A Decade of Strong Relations

Qatargas is recognized today as a safe and reliable supplier of LNG to the world. Qatargas' current LNG production of nearly 10 million tonnes per annum (mtpa) is expected to increase to 42 mtpa upon completion of the ambitious expansion projects that the company has undertaken.

In 2007 Qatargas is celebrating 'A Decade of Achievement'. The starting point of our achievements was the delivery of the first ever LNG cargo from Qatargas (and the state of Qatar) to Chubu Electric in January 1997. Since then, Qatargas has delivered over 1250 cargoes to date, primarily to Japan in addition to other country markets. More than half of these deliveries were to Chubu Electric.

As we reflect on our success over the past ten years and embark on a new and challenging phase in our journey, we will always remember the role our buyers have played in our achievements, especially our Japanese buyers.

In the following interview, Mr. Toshio Mita, President and Director of Chubu Electric Power Co. Inc. talks about Chubu's relation with Qatargas and his outlook for the future.

How it all started

- **When did Chubu Electric decide to look at procuring LNG from Qatargas?**

- **What advantages did Chubu Electric see in entering into an SPA with Qatargas?**

"We started official contacts with Qatargas back in 1990. At that time, Qatar did not have any communication with Chubu Electric, and they also did not have any experience in developing new LNG projects."

"However, considering Qatar's world-class natural gas reserves, we thought that Qatar could become a reliable supplier for large quantities of LNG on a long-term basis. We have also considered that decentralization of our LNG sources will enable us to strengthen our management base."

A decade of strong relations

- **In your opinion, what qualities of Qatargas as a company have contributed to the strong relations with Chubu Electric?**

"We believe that Qatargas' respect towards the Japanese buyers by treating us as foundation buyers, Qatargas' customer oriented attitude which emphasizes long-term relationships, and the loyalty to us are all in harmony with not only Chubu Electric's but all other Japanese buyers' way of thinking, which led us to building such a strong relationship of mutual trust. I would like to highlight again that from such



Mr. Toshio Mita

point of view, Qatargas is indeed a wonderful company."

- **What were the major milestones in Chubu Electric's ten years of business relations with Qatargas?**

"Definitely, it was when we received the 1st vessel at our Kawagoe Terminal in 1997 as per schedule. Also, the fact that we have had stable supply of LNG for the past 10 years."

"I would also like to point out that our former Chairman, Mr. Abe was honored to receive the SASH medal as the first foreign citizen when the Emir, HH Sheikh Hamad bin Khalifa Al-Thani visited Japan in April 1999. We also remember the Emir coming to Nagoya during the Expo in 2005 where Qatar displayed a magnificent pavilion."

“Personally, I was in charge for the planning of Kawagoe Thermal Power Station units No. 3 and No. 4, which were designed for using Qatari LNG as the main fuel, and also the Senior General Manager of the Power Station for 2 years since 1999. Through such experience, I am very well aware of the importance of the stable LNG supply from Qatar and also very thankful for it.”

• **What are your thoughts on the massive expansion projects that Qatargas has undertaken?**

“Chubu Electric is the first company to buy LNG from Qatar, and through

mutual cooperation, we have overcome many difficulties to start up the project and also worked hard for a sound growth. For this reason, we are extremely happy that a project which started from 4.0 mtpa will be developed into the world’s largest 77 mtpa project as a whole country.”

“We expect the reliability of LNG supply to Japan to increase even more through the new expansion projects, which is very encouraging for us.”

• **How would you sum up Chubu Electric’s relationship with Qatargas?**

• **What is your outlook regarding Chubu Electric’s relations with**

Qatargas during the next ten years?

“I believe that our relationship is like a family relationship with a strong trust and a bond of mutual cooperation, as we have a history of working together since the beginning of the project to overcome difficulties, and realize development for both the seller and the buyer.”

“In order to strengthen such relationships in the future, Chubu Electric would like to drive forward our partnership projects and also contribute to Qatar’s further developments by setting up our new Doha Liaison Office.”



Kawagoe Thermal Power Station

The Future

- **Is Chubu Electric looking at procuring additional quantities of LNG from Qatargas?**
- **Where do you see Qatargas as a supplier of LNG in the next ten years?**

“We are very grateful for Qatargas, as being the largest supplier of LNG for Chubu Electric and also for the stable supply since 1997. We think that LNG from Qatar will become even more important for Chubu Electric to maintain stable electricity supply, and hope that Qatargas will continue its stable LNG supply even more.”

In closing Mr. Mita said; “We would like to congratulate Qatargas again for celebrating its 10th year anniversary of Qatargas LNG project, and wish you all the best for your further developments in the next 10, 20 and many years to come.”



Chubu Headquarters in Nagoya, Japan



SPA signing ceremony with Chubu in 1992



Mr. Fumio Kawaguchi Chairman of Chubu Electric and Mr. Mita with Mr. Faisal Al-Suwaidi Chairman and CEO of Qatargas during Qatargas' 10th anniversary celebrations

Successful shutdown of Train 3 and four years without Lost Time Accidents

Qatargas recently celebrated the successful completion of shutdown activities on its LNG Train 3. The shutdown which commenced on 18th April was concluded on 2nd May, three days ahead of schedule and without any Lost Time Accidents (LTA).

The existing Qatargas LNG trains (Trains 1, 2 and 3) are scheduled for shut down once every three years, which means one planned LNG Train shutdown takes place each year. The objective of a shutdown is to carry out thorough and detailed inspection of all equipment in the train and carry out all the required maintenance activities in order to maintain the optimum production from the train.

Detailed and accurate planning is the most crucial factor in executing a shutdown. The time line target plan is set up several months prior to the shutdown. In the initial years since start of operations, a shutdown used to take as long as 30 days. However, with the experience gained and lessons learnt over the years, Qatargas is now capable of completing a shutdown in almost half that time.

The first step in a shutdown is to isolate the train and make it free of all hydrocarbons. This is done by depressurizing the train and purging with nitrogen, which reduces hydrocarbon content levels to safe limits prior to intervention. Oxygen is then introduced into the equipment and piping before the



inspection team can open the man-ways and enter the equipment/vessels to begin their work.

The physical maintenance activities during a shut down, including the preparation of equipment for inspection is handled by a dedicated contractor workforce, with the number of workers reaching up to a thousand for each shutdown.

The shutdown involves close

coordination and teamwork by people from various disciplines. The shutdown group from Operations is responsible for preparing the blind lists (a blind is a metal plate installed in between two flanges to ensure that the flow of gas or liquid to a piece of equipment is blocked completely). They also prepare all the related procedures and perform follow-up checks on each task.

The Inspection Division is responsible for inspecting all equipment in order to



determine what repairs need to be carried out and also to ensure that the work has been executed to the required standards. The Supply Department ensures that all necessary equipment and spares are available on site and issued from the warehouse as and when needed. This is critical in order to avoid any delays.

SEQ Department provides overall safety supervision and ensures that all the required safety precautions are in place. The safety technicians constantly monitor all activities and provide advice as necessary. The Fire and Rescue Team and the Medical Staff are on stand-by to provide any services required.

Throughout the duration of the shutdown, all involved personnel meet every morning to review the status of each and every job in progress. Rigorous follow up is performed on each and every piece of equipment. Several important tasks were completed during the recent Train 3 shutdown. These include:

- Completing the piping tie-ins for the C0501 scrub column
- Extended inspection of all five turbines (24,000 hours inspection)

- Replacement of the dry gas seal on K603 compressor
- Replacement of the molecular sieve in the dehydration unit
- Defrosting of the Main Cryogenic Heat Exchanger in order to clean the tubes and remove any accumulated deposits and achieve optimum heat exchange performance
- Cleaning and repair of the sea water piping used for cooling.

The successful execution of the shutdown was made possible due to the close cooperation and excellent communication between the various disciplines involved and the firm commitment of the entire team to safe work practices.

Qatargas 1 Onshore achieves four years without LTAs

The Train 3 shutdown coincided with another milestone achievement for Qatargas 1. On 26th April Qatargas 1 achieved four years without LTA on all its operated assets, including the offshore installations, onshore receiving facilities,

LNG plant, storage, loading, warehousing, workshops and all other facilities.

This achievement is all the more significant when we take into account the major activities that have taken place over the past few years. During the eighteen months prior to this achievement, three unplanned shutdowns were executed to replace the C0501 scrub columns on the three LNG trains, and three more to replace the outlet piping on E303, molecular sieve regeneration gas heater. That is a total of six unplanned shutdowns in addition to the planned yearly shutdowns.

The debottlenecking (DBN) project which was a major activity in its own right and the installation of the helium recovery unit were among the other activities during the past four years. In short, this achievement has come by after successfully overcoming a number of extremely demanding challenges requiring simultaneous operation of producing LNG on a train while revamping of equipment and construction is ongoing.

A number of factors have contributed to this achievement. The Incident and Injury Free (IIF) culture which is the heart of Qatargas' approach to safety



is the driving force behind all of these achievements. Launched in 2002, the IIF initiative covers all of Qatargas' areas of operations and personnel. This extends to Qatargas' contractors as well. All contractor personnel who work at Qatargas facilities attend the IIF course in addition to the other mandatory induction courses.

The various safety systems and tools in place, such as, STOP cards, Incident reports, Near Miss reports, TapRoot Investigations, Job Safety Analysis to name a few have all contributed to making Qatargas what is today – a safe, secure and reliable supplier of LNG to the world.

A well deserved celebration

On 10th and 15th May, dinners were hosted at the Al Waha Club in Al-Khor Community to celebrate the successful completion of Train 3 shutdown and the achievement of 4 years without LTA. These celebrations were attended by Qatargas employees and contractor personnel whose dedication and commitment have made these achievements possible.

The celebrations started off with a welcome address by Mr. Yvon Chapleau, Qatargas 1 Asset Manager, followed by a speech by Mr. Jacques Azibert,

Chief Operating Officer – Operations. Mr. Azibert thanked everyone for their efforts and urged them to continue the excellent performance and commitment to safety.

On his part, Mr. Waseem Khan, General Manager of DESCONE, the main contractors for the shutdown and DNB project congratulated Qatargas on these achievements and thanked the Qatargas management and staff for all their support and professionalism.

A sumptuous dinner was served to the guests. A quiz competition and raffle draw livened up a truly enjoyable evening.



Seventh Annual Convocations for national graduates and trainees

QatarGas Chairman and CEO, Mr Faisal Al-Suwaidi hosted the Company's Seventh Annual Convocations for its national graduates and trainees on 27th and 29th May. These high-level events, now an important, established part of QatarGas tradition, are attended by all nationals on development towards established positions, along with their group and department managers, representatives from Human Resources and Training, Supervisors, Coaches and Mentors.

During the Convocations, individuals are encouraged to raise any issue in a spirit of free and open communications regarding their training and development and to share with management any ideas and suggestions to enhance current provisions. Mr Al-Suwaidi noted the Company's Qatarization rate at 53% which exceeds the target set for 2007. He reiterated the Company's total commitment to the attraction, recruitment, development and retention of nationals. He stressed the unprecedented investment being made by QatarGas in enhancing training provisions



and in providing new opportunities for development. Mr Al-Suwaidi emphasized, however, that progress was not time-based but depended purely upon each individual's contribution and performance. Promotion would depend upon demonstrated competence. World-class organizations could not accept less.

Mr Al-Suwaidi mentioned that the role of established employees was crucial in helping younger nationals to attain their

career goals. The Company valued their inputs and contribution. He appreciated the role of expatriate employees in particular in their support for the development of their national colleagues.

In a series of presentations by department managers, participants were given details of efforts made by the different departments in support of Qatarization and were familiarized with the Company's new initiatives including: the development of a



new Leadership Framework, enhancements to the Competency System, the launch of the Company's E-Learning Project, expanded English Language learning provisions including online language training, local and international placements of nationals in the Company's huge expansion projects and with world-class shareholder organizations, as well as broadening Qatargas' training synergies with local companies and partnerships with the education sector.

In the usual breakout dynamic workshop sessions, management and nationals exchanged views and ideas on their mutual expectations and how to achieve success in the organization and in their careers. As with previous Convocations, feedback captured during the various sessions will be incorporated into action plans for



implementation in the coming period.

A major theme in each year's Convocations is the celebration of successes. This year, Mr Al-Suwaidi presented special CEO crystal

awards to the Company's highest achieving trainees, graduates, coaches, mentors and to the managers of the best department for promoting Quality Qatarization. ■

Qatargas Career Fair – Attracting young nationals

In the second of such annual Career Fairs, Qatargas invited 100 high-performing national students and new graduates from the country's universities and colleges for interviews for job opportunities at the Company's facilities. Graduates from the Secondary School for Industrial Technology were also interviewed at the event held on 19th May at the Diplomatic Club.

Students from different disciplines, including Engineering, Information Technology, Business Administration, Human Resources, Finance, Safety and others were provided with information about the various career options available within the Company.

All were interviewed by the respective



department managers and immediate job offers are being prepared for students who passed the interviews.

The Qatargas interviewers were impressed by the high standard of this year's applicants. ■

Development of national graduates – investing in the nation’s youth

Qatargas has implemented a specialist program for National Graduates in its commitment to provide employment and development opportunities for Qatari Nationals.

One of the graduates taking up this opportunity is Abdulla Sultan Al-Jaber, who graduated from Qatar University with a degree in Chemical Science.

Since joining Qatargas, he has been an active member of the Safety, Environment and Quality Department, supporting their work with the Supreme Council for the Environment and Natural Reserves (SCENR), working mostly with Qatargas 1.

Abdulla’s career at Qatargas began with a work placement at Total’s office in Aberdeen for Qatargas 1, working as an Environmental Engineer with the audit team, which he says was a great chance to learn a lot, although his biggest memory ‘was shovelling snow from my car in the mornings.’

Perhaps the steepest learning curve as a Developpee was during his time back in University; attending General Electric’s Nuovo Pignone Oil and Gas University on a Qatargas Sponsorship.

Although lessons were in English, Abdullah was fully immersed in an Italian culture and had to learn some Italian very quickly.

The intense, multidisciplinary six month course covered all aspects of the oil and gas industry, relating to both strategic and technical issues, and including modules on environmental issues. Abdullah says he’s ‘pleased now, because I understand the whole range of issues and strategies in the industry’.

Although he said his studies were



Abdulla with Mr. Piero Salvadori, Director of the Oil & Gas University

difficult, Abdulla went on to achieve the highest mark of his class and so surely is going to prove to be a valuable asset to the organisation.

The graduation ceremony was attended by Aida Al-Shahri, Brian Devlin, Abdelkader Omer, and Khalid Bashir from Qatargas; all of whom he says have helped him through every step of the way as a developpee. In fact, Abdullah says that ‘Qatargas is a really good environment for developing; things are done properly here to help you learn as people have always been very supportive and helpful. Any time you can knock on the door and ask for help.’

After graduation he joined the Safety, Environment and Quality Department’s Environmental Affairs Section under James Baldwin where he has been involved with many aspects of Qatargas’ Environmental Monitoring Plan for the SCENR, including sampling and monitoring discharge from the

cooling water system on site for Qatargas 1 and even climbing up stacks to obtain samples for the monitoring of air quality; an unenviable job in the heat of Qatar.

Abdulla has also participated in community projects, including giving presentations to schools on the environment; showing Qatargas’ dedication to its environmental responsibilities as well its graduate program.

The next big challenge is joining the QG3&4 Project, which he is looking forward to as ‘there is so much to learn’ and as he considers the Project environment as the ‘best place to learn.’

Counting Faisal Al-Suwaidi as ‘somebody who has achieved great personal success’, Abdullah has observed many others in Qatargas who have also achieved success; by asking many questions and learning as much about all aspects of their business as



Abdulla with Aida Al-Shahri, Abdulkadir Omar and Brian Devlin



Abdulla with the other graduates

they can. Abdulla says that he will continue with 'his own strategy of learning' as much as possible by asking questions all the way;

after all there is no such thing as a stupid question. With such a positive attitude, and such great learning resources and support

afforded by Qatargas, it seems certain that we will be seeing great things from Abdulla in his future career. ■

Reaching out to students at Qatar University



On May 23rd, Qatargas gave a presentation to Civil Engineering students at Qatar University. The presentation titled 'Sound Practices of Mass Concrete' was given by Nasser Al-Issa, Senior Civil Engineer with the Qatargas 2 Project.

Nasser began his presentation with an explanation of the definition of mass concrete. The main topics of discussion were

the Gas Compressor Foundations for Trains 4 and 5 i.e. Nitrogen (N₂), Propane (C₃) and Mixed Refrigerant (MR).

Various topics regarding mass concrete such as thermal properties of concrete, effects of thermal stress on concrete, heat generation during the hardening and strength development phase of concrete, temperature

control for fresh and hardened concrete, the concept and application of wet curing for concrete etc. were discussed.

The presentation contained valuable information for the students and will most definitely encourage graduates to participate in Qatargas industrial projects, thus supporting quality Qatarization. ■

Qatargas Launches e-Learning Center

Qatargas is bringing e-Learning to its employees! Using a computer and internet connection, employees will be able to access the latest and most up to date English, technical and safety courses.

e-Learning is the process of learning by using a computer. Employees are given logins and passwords enabling them to access their learning material at any time of the day. Courses are usually available on the internet or sometimes only the intranet.

e-Learning supports the Qatargas philosophy that everyone needs to grow in their chosen career. It is a perfect medium to reinforce **“My career is my responsibility”**. e-Learning is only one step in the educational process with further opportunities for classroom and on the job training. e-Learning will be the first step to a rewarding career with Qatargas. e-Learning supports the Qatargas Direction Statement by offering training to all its employees enabling them to perform their jobs to the best of their abilities.

e-Learning Center

The e-Learning center is a newly renovated and up to date facility that will allow 20 employees to work in a quiet and relaxed atmosphere. Taken away from their workplaces, we expect there will be no distractions to disturb the learning process.

Courses will be available for learning

- English
- Technical (Operational and Maintenance)
- Safety
- Soft skills

Employees will be nominated for training by their respective managers. At present there are over 70 people registered for our new Global English courses. When the e-Learning Center opens in July department managers



will be asked to schedule employees for classroom sessions. The initial session will be used to explain to the employees how to use the system, after which they will then proceed to learn at their own pace.

e-Learning Courses

Qatargas is committed to providing employees with quality courses from proven educational and training suppliers.

Courses will vary in length from a few hours to ongoing. The length of time spent on a course will depend on the individual's rate of learning. Qatari nationals will be offered the opportunity to participate in English courses on-line.

Global English users will take a placement test to tell them their level of English then placed into the correct course. e-Learning allows each individual to work at his or her own pace. Employees do not have to feel rushed along or that they are hindering others work. There is no embarrassment of somebody else seeing their mistakes.

Atlas Interactive one of the premier suppliers of technical courses has supplied Qatargas with technical expertise in Process Operations and Maintenance. Qatargas will

also be providing Induction courses on line. “Introduction to Qatar” and a “Buildings Induction” are just two examples of such courses.

NetG a leading provider of Soft Skills will be providing courses such as “Time Management” and “PC Skills”.

Courses will be available to the employee both at work and at home. e-Learning makes it easy for a person to work at their own pace in their own setting. The courses that are offered are relevant to the employee in his or her work role. There will be facilitators and instructors available in the event an employee is struggling with his or her work.

e-Learning will become an important aspect of the employees objectives and development plans. Some courses will be required to be completed in a set time in order for an employee to progress to the next level of his development. These courses would be the technical and possibly English courses.

The new e-Learning Administrator is now on board. Donald Birch Qatargas e-Learning Specialist can be contacted on 4737620 or Dbirch@qatargas.com.qa

2007 IIF Course Concludes

On the 24th of May the last IIF course for 2007 concluded with a celebration to mark a successful 2007 IIF campaign.

“It’s always a hard long road to rewrite a new IIF course every year, train the instructors and take care of all the logistics”; stated Frederick Guirguis the Qatargas Head of Safety. “All the work is worth while in the long run when you get the positive feedback we have received in the last 12 weeks of conducting this great program”; he added.

He also said that the intention of the team every year is to make the IIF program more than just another mandatory course. “I would like people to say – great, another IIF program I am looking forward to attending because it is always interesting, we always learn something and the program is always full of surprises.”

Frederick says that one of his personal aims with every course conducted is to meet and talk to as many people as possible which is sometimes hard to do at work when everyone is so busy. It is also a great opportunity to meet the newcomers to Qatargas.

He is also of the opinion that the IIF course reaffirms management commitment to safety and is something that all Qatargas employees need every year to remind and reinforce the IIF message.

24 courses have been conducted in this year’s IIF program including 4 courses for North Field Bravo (NFB). The 2007

IIF course will now be modified so it can be presented to the Al Khor community residents. This program will start in October of this year and conclude around May 2008.

Speaking on plans for the 2008 IIF course, Frederick said; “In 2008 the Safety Section will be producing 2 IIF courses. The first course will be conducted as soon as people move in and are settled in the Al Jazeera tower. High Rise safety is totally different from what we teach people on our usual IIF courses

and it is a specialized area so we need to cater for that.” “Our main intention with the 2008 IIF High Rise safety course is to give people in the building confidence and knowledge about their building so they can feel safer and be able to make informed decisions when they need to.”

The second IIF course will be geared to cater for the people who will still be working in Qatargas at Ras Laffan.

Finally Frederick thanked all the course instructors for a job well done and the people who attended.



Tank roof raise marks milestone for Qatargas

On 20th May, Qatargas raised the roof on its fifth and final common liquefied natural gas (LNG) storage tank at Ras Laffan Industrial City.

The construction of the tanks began in March 2005 and the roof raising marks an important progress milestone in the construction of the tanks. After completion of the air raising the tanks are completed, tested and prepared for start-up with the first tank completion anticipated October 2007.

The roof which has been built inside the tank is slowly lifted using a shift in air

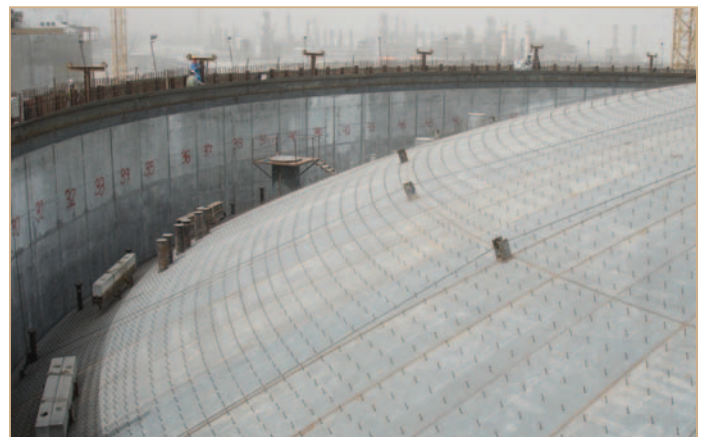
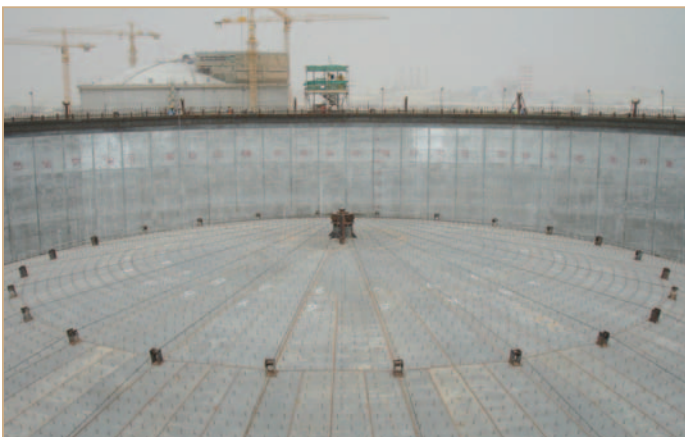
pressure to raise the roof from floor to the ceiling, when it reaches the top a team of welders secure the roof to the rim of the tank.

The tank roof raising requires a focused effort to ensure that the work is completed safely and that all the people involved in this important task go home safely at the end of the day.

James Adams, Chief Operating Officer – Qatargas 2 said; “This is a great day for us, achieving this milestone means a lot to everyone who has worked so hard. We are pleased that the last roof raise has gone

smoothly and that we have done this safely and on time. We look forward to the next step of safely completing this project.”

There are five tanks in this tank farm each with a storage capacity of 148,000 cubic metres which is equivalent to just over one ship in the conventional LNG shipping fleet and about two thirds of one of the new mega-ships currently under construction in Korea for the new Qatargas trains. The new tanks will provide common storage to all of the LNG producers in RLC.



Qatargas 3 and Qatargas 4 onshore team moves to Ras Laffan

The Qatargas 3 and Qatargas 4 onshore project is progressing steadily on its road to completion. And, as the Project enters its most challenging phase — the construction on site — the heart of its operations has moved from Yokohama and Paris to Ras Laffan City.

As the Onshore Project Manager Jim Gardiner says, “This is a truly fantastic Project to work on. We are all proud to be part of the team that is building one of the largest LNG plants in the world.” He adds: “We take our responsibilities seriously. Work is often challenging, but that doesn’t stop us getting great satisfaction and enjoyment from what we do.”

Qatargas 3&4 is building two LNG ‘Mega Trains’, with a combined capacity of around 15.6 million tonnes of LNG per year. The Project is an expansion of the existing Qatargas facility that occupies an area of nearly four square kilometers and includes 50 compressors, 400 pumps, 800 heaters and pressure vessels, 750MW of refrigeration (equivalent to 12 million domestic refrigerators) and enough power for a town of 100,000 people.

The Project is currently half-way with engineering, procurement nearly complete and construction well under way. On site, the contractors are busy installing foundations, pipe racks and items of mechanical equipment. The largest pipes on site are three metres in diameter—big enough to drive a car through!

There are nearly 12,000 people on the Project at Ras Laffan, including 8,000 people on site. Most of the workers are to be accommodated in camps at Ras Laffan



City. As Construction Manager Cees van Liere comments “We have to manage the construction of a major LNG Project and provide decent living accommodation for people - enough to fill a small town!” The workers are drawn from around 40 countries, most hailing from Nepal, India, Turkey and the Philippines; and with six main languages in use, the Project has to ensure that training and supervision are suitable for the diverse workforce.

As part of Qatargas policy, all personnel on site attend mandatory safety training and the Project has adopted Incident and Injury Free as its flagship Health, Safety and Environment programme.

As HSE Supervisor, Karen McKnight, says, “We are wholly committed to the safety of each and every person on our Project. We want to ensure that everyone goes home safe every day.”



Some of the Qatargas 3 & Qatargas 4 Onshore Team at Ras Laffan

Qatargas participates in Chairman's Cup 2007



Qatargas fielded a team in the Chairman's Cup 2007 football tournament organized by Qatar Petroleum from 22nd April to 28th May. The Qatargas Team put up a spirited performance in the

tournament and bagged the trophy for fair play. A dinner was held on 3rd June in honor of the players. Mr. Jacques Azibert, Chief Operating Officer – Operations gave away mementos to the players.

Mr. Abdulla Hijji, Public Relations Manager addressed the players and thanked them for their hard work. He wished them success in their careers and in future tournaments.



The ship-building yards in Korea – teamwork at its best



SHI yard, Korea

On a recent visit to South Korea, Pioneer's roving reporter had the opportunity to spend the day with team members from two of the three teams who are building the new Qatargas vessels.

The two ship-building yards – Samsung Heavy Industries (SHI) and Daewoo Shipbuilding & Marine Engineering Co., Ltd. (DSME) – sit on Geoje Island in the southern part of Korea. The island is very

mountainous and beautiful which makes for an interesting contrast to the level and scale of the industrial activity on the Island.

The shipyards are very busy places with both yards producing over 50 ships per year



DSME Yard, Korea



Abdullah on the main deck of one of the vessels under construction



Abdullah with H. G. Kim

each. In SHI there are over 22,000 workers and in DSME 24,000 workers.

It is in these yards that project teams from Qatargas have established themselves and are busy working on delivering Qatargas' new state-of-the-art vessels for the expansions projects.

Abdulla Al Kubaisi is the Technical Superintendent at the SHI yards and has been in the position for over a year. His current role is part of his Individual Development Plan which seeks to develop young Qataris through on-the-job training and experiences.

During our visit Abdulla said; "Being in

Korea and at the yards is definitely one of the best learning opportunities you could ask for. Every day I have the opportunity to stretch myself and learn new things that will be invaluable for my later career and development. I have also learnt a lot on a personal level with this providing a different opportunity for myself and family to travel and live day to day in another country and culture."

"My day usually begins with understanding what inspections will be carried out by the owners and yards for that day. Every day there are several different types – quality, safety etc – and then we

decide who on the team will attend which one. Before attending the inspection I usually review the procedure and do the required research and then join the inspection itself. At the conclusion of each one I help to complete and close out the open items as required."

"Our key role here is to try and work with SHI and the ships' owner to make sure we deliver the project safely and that the quality of the work is in accordance with the plans and requirements of the various contracts."

"One of things I most enjoy out here is that the team is very tight knit and we are



Open plan offices in Korea



Hyunjung Kim, Sujin Park and Soo-eun Choi who help to run the SHI Qatargas office



Doug Francis on his way to inspect one of the tanks



Stefan Bern, Dave Jones & Andrew Parker talk prior to sea trials inspection

all on the same page about what needs to be done and how it needs to be done.”

This was a sentiment echoed by Doug Francis, Lead Cryogenic Inspector in the team.

“Even though our team has grown a lot since we started here in 2002 we have managed to remain a team with a shared focus and commitment to delivering this project,” said Doug.

“My job on this project is to ensure that the LNG tanks and containment systems meet the specifications required for the safe delivery of the LNG to our customers.”

“Most days we act as an extra pair of eyes

to ensure that the inspections are carried out properly and we work with the owners closely to make sure things are at the right standard. I have a team of three inspectors and between us we try and attend all the inspections that are happening on any given day. As well we also go and visit sub-contractors to make sure that the quality of the work is on-spec with what is required for the project.”

“At the end of the day what we are all about is a continual presence to help keep complacency at bay and encourage each and every worker that their job is just as important as the next person’s in delivering

the containment systems needed to do the job.”

In discussing the way the team works, Charlie Douglas, Site Manager, said; “We need to understand that everyone has a role to make this team work. A critical part of our success is the support we receive from our Document Controller, and two Administrative Assistants. Hyunjung Kim, Sujin Park and Soo-eun Choi help make sure that we record everything properly and get where we need to go on time.”

Over in DSME, Waleed Al Ansari is also completing part of his Individual Development Plan in Korea fulfilling



DSME Office Administrative Assistant Cindy Lee



Waleed doing his part in the sea trials inspection

the role of Marine Superintendent. After graduating from the Arab Academy of Technology and Maritime Studies, Waleed joined Qatargas. In his role in Korea, he is focused on technical inspections of the work that is being undertaken in the yard. Waleed also assists the Site Manager acts as the back-up to the Safety Co-ordinator during leave and other absences.

Commenting on his role, Waleed said; “This is a really great opportunity for me. I am enjoying being here and learning from the experienced team around me and this unique opportunity to be part of building this project. Nothing is better than hands-

on experience. I have many and varied responsibilities which have increased over time, which makes the experience even more valuable.”

“One part of the role that I really enjoy is dealing with a wide variety of people and many of whom are from outside of Qatargas. Interacting with ship owners, classification societies and the shipyard is an interesting and rewarding part of my job here.”

“I have also really enjoyed being here in Korea, learning the language and eating the local food. There have been many

opportunities to explore the Island, the city of Busan and the country in general.”

Cindy Lee, who has been with the project for over two years as the Administrative Assistant said during our recent visit; “This is a really diverse team which has grown a lot since the first days and will be expanding in the future. But I think the best part about the team is how we all work together across our different cultures and backgrounds.”

To date progress on the projects has good with the first Qatargas ships to be ready for their naming ceremonies in September. ■

What does the inside of an LNG tank look like?

The LNG tanks or the “containment” system on the new vessels is the “Mark 3” system. This differs from the current Qatargas carriers which are Moss-Rosenberg with their distinctive shaped tanks.

Once the outer hull is assembled the construction of the secondary membrane begins. This involves thick installation panels which are glued into place using special equipment.

After the placement of each panel the precise location of the panel is checked and recorded. The glue on each panel is then checked to ensure it has adhered to the outer hull.

Once this phase is complete a flexible triplex membrane made up of glass, aluminum and rubber is attached to the panels. This is then specially sealed to form the primary membrane for the cargo to be “contained” in the tanks. ■

