



# Al<sub>2</sub>to<sub>3</sub>gether

FEBRUARY 2017

MAGAZINE

N°8

## THE RISE OF ALUMINIUM

ALUMINIUM WORLD TRADE  
FAIR 2016 IN GERMANY

ARABAL 2016





Anything is possible  
in **Al**uminium.

By 2025, the percentage of aluminium used in the average car will double – from 8% to 16%. All thanks to its strength and durability. And no one does aluminium quite like Qatalum. Aluminium Perfection.™ [www.qatalum.com](http://www.qatalum.com)



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"Al<sub>2</sub>O<sub>3</sub>gether" is a name that symbolizes the work spirit of Qatalum, and reflects the Company's superiority and its ability to overcome challenges, as one team. "Al<sub>2</sub>O<sub>3</sub>gether" also helps remind employees of these great achievements on a daily basis. This magazine is a step in this direction, where team spirit is enhanced, and will provide an open forum to discuss the ideas and ambitious plans we aim to achieve, for the good of both the company and its employees. Last, but not least, the motto of our magazine is inspired by a symbol of aluminium oxide "Al<sub>2</sub>O<sub>3</sub>" which is the main raw material used by the aluminium industry in Qatar.

Editing and Production by the Communication Department - Qatar Aluminium Limited  
PO Box 23086 - Doha, Qatar  
Tel. +974 4403 1111 - Fax +974 4403 0800  
www.qatalum.com

Design: Frame Communications  
www.frameqatar.com

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Editor	Ibrahim J. Fakhri
Editorial of Contents	Communications Department
Photography	Qatalum Gallery Archive

## CONTENTS

<b>A Few Words From Our CEO</b>	<b>4</b>
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### FEATURE STORIES

<b>The Rise of Aluminium: Lightweight, Strong and Recyclable</b>	<b>5</b>
--	----------



### INTERVIEW

<b>Interview with Al-Maha Al-Majid, Environment and Sustainability Superintendent.</b>	<b>8</b>
--	----------



### NEWS

<b>The Heart of the Community: Qatalum Partners with Texas A&amp;M University Qatar for the Shell ECO Marathon</b>	<b>10</b>
<b>Qatalum Participates in Aluminium World Trade Fair 2016 in Germany</b>	<b>12</b>
<b>Changing the World is a Community Effort!</b>	<b>18</b>



### EVENTS

<b>Executives from Qatalum Propose Challenge for Contractors</b>	<b>20</b>
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A FEW WORDS  
FROM OUR CEO

**AS PART OF QATALUM'S EXTRAORDINARY EXECUTIVE TEAM WE ARE LEADING THE WAY IN PROMOTING AND INNOVATING THE USES OF ALUMINIUM IN QATAR.**

We recognise industrial diversification will be a key element of Qatar's continued economic development, alongside world class environmental protection measures and social policies that will provide the platform for a sustainable tomorrow. For example, by controlling dust emissions from Casthouse furnaces, Qatalum gained a host of benefits and the resulting success of the initiative earned Qatalum the GAC Environmental Award at ARABAL 2016.

Investing in Qatar's youth, infrastructure, human capital and social cohesion will be crucial to this, and we at Qatalum are proud to be a part of this in many ways.

Safety has been at the forefront this year; we have taken in supervised and non-supervised contractors into the fold as our own. Through outreaching awareness efforts, Qatalum has managed to prevent potential injuries and continually strives for zero harm. In parallel, heat stress awareness has resulted in zero incidents for 2016. Outlined at ARABAL 2016, issues pertinent to our industries future were discussed. Along those lines, Qatalum is diversifying its product portfolio and began increasing

amperage resulting in more liquid metal production. In order to facilitate these innovations, production efficiencies have been increased throughout all operational units.

ARABAL witnessed an exceptional level of cooperation, knowledge exchange and experience among experts and industry participants from the Gulf and beyond. Qatalum will spare no effort to cooperate with its peers and partners in order to enhance the quality of its products and continue its competitive efforts in the global market.

Together with our partnership with Hydro, Qatalum continues to minimise free capacity metal, thus maximising its profitability. Our global reach continues to bear fruit from a historically deep understanding of the international aluminium trade.

This was best exemplified at the 11th edition of the biennial Aluminium World Trade Fair and Conference in Dusseldorf where Qatalum, represented by Supply Chain and Casthouse management, enabled opportunities for industry wide knowledge development and resource gathering with its 'Made in Qatar'

brand of premium quality primary aluminium products.

Within the realm of fluctuating energy prices and low commodity prices, it is impossible to predict anything. However, as a region, we do have the capability to reduce costs in order to mitigate the challenges. The biggest costs are raw materials and energy. We are looking to renegotiating pricing with suppliers along with lowering logistics costs and fees, in addition we are seeking to reduce our energy consumption.

In conclusion, I would like to stress that Qatalum is a growing organisation with a wide reach into many economies – both regionally and globally. I hope that the articles in this issue provide you, as readers, a glimpse into our dynamic and exciting world.

**Khalid Mohamed Laram**  
Chief Executive Officer





# THE RISE OF ALUMINIUM: LIGHTWEIGHT, STRONG AND RECYCLABLE



## A Brief History

Aluminium is a comparatively young metal and its commercial use dates back only about 150 years. However, Aluminium is the most common metal found on earth – in other words, it is almost twice as common as other metals like iron. Even so, man could not find a way to extract aluminium from ores as they did with iron, using heat. No matter how much heat is applied to aluminium, it does not separate from its ore.

This was the case until the 1820s, when a German chemist successfully isolated just a few flakes of aluminium. Due to its unique, durable and sustainable properties, it became a great hit – and it remains a hit today!

One of the reasons for its popularity was its colour. Element 13 – aluminium's scientific term – has a gorgeous lustre and smooth, dark colour that reminded many of the sparkle of luxury metals like gold and silver. When it was made popular in the 1800s, many thought that aluminium would be the next precious metal!

Fun fact: Research shows that in the first half of the 1800s, aluminium was more popular and more expensive than gold and silver as it was harder to obtain. As an example, the French government used to display thick aluminium

bars next to their crown jewels! However, in 1888, the aluminium market suffered a crash. Chemistry-savvy entrepreneurs in the US figured out how to isolate aluminium in large chunks, cheaply. The way in which they did so was ingenious – they ran a current through a bath of liquid with dissolved aluminium ore in it and the electricity shocked the dissolved aluminium molecules, knocking them out of solution, at which point small gray nuggets collected in the vat. They then catered the mass-isolated metal for industrial use.

From a world production total of perhaps a few ounces per month in the decades before, by 1888, the largest U.S. aluminum company could produce almost 50 pounds of aluminum each day. Within 20 years, it had to ship out 88,000 pounds per day to meet demand. As production soared, prices plummeted. In the mid-1800s, the first aluminum ingots on the market went for \$550 per pound. Fifty years later, not even adjusting for inflation, it cost 25 cents for the same amount.

And with that drop, the most coveted metal in the world became the utterly blasé metal we all know today – the basis for soda cans, pinging Little League bats, and airplane bodies.



**THE MOST  
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KNOW TODAY**









## Aluminium Today: Strong and Sustainable

As such, in the 20th and 21st centuries, the metal in most aluminium products is not actually consumed during the product's lifecycle. For example, aluminium cans are simply used as carriers for mass-produced drinks. As such, the metal has the potential to be recycled without losing any of its chemical properties. It is due to this factor that aluminium is a sustainable metal with a lifecycle that scientists dub "cradle-to-cradle", instead of the traditional "cradle-to-grave".

Aluminium's unique trait of infinite recyclability has led to a situation where today, around 75% of almost 1 billion tonnes of aluminium is still in productive use, some having been through countless loops of its lifecycle – how miraculous!

Furthermore, aluminium also improves the efficiency of energy use. It presents great potential for increasing the sustainable use of energy. For example, aluminium's light weight contributes to increased fuel efficiency in vehicles, ranging from passenger cars to armored tanks. The metal's 95% light-reflectivity contributes cooling efficiencies to "green" buildings and improves the energy

production efficiency of solar cells. The aluminum industry is making continuous improvements in the environmental efficiency of producing aluminum through primary and secondary processes.

Overall, when compared to other metals like iron, aluminium recycling rates are rather impressive! The International Aluminium Institute (IAI) reports that aluminium used in building and transportation have an end-of-life recycling rate of approximately 90 percent. In Europe, 60 percent of packaging such as beverage cans are recycled, while other forms of aluminium use is recycled about 50 percent of the time.

Most times, recycling aluminium is economically and environmentally beneficial as it can be recycled an infinite number of times with no loss of quality.







## INTERVIEW WITH AL-MAHA AL-MAJID

1. What was your role at Qatalum? Any particular learning points you'd like to share with readers?

I joined Qatalum as a fresh graduate in 2009. I was a part of their Technical Group before I moved to QPS as a QPS Specialist. Subsequently, I transferred into the Engineering department as a Senior Project Engineer and finally, the CEO recommended that I move to the Sustainability department as a Senior Sustainability Engineer.

Recently, I was promoted to Environment and Sustainability Superintendent.





Recently, I was promoted to Environment and Sustainability Superintendent.

Being a part of different departments throughout my career, I had the chance to build different experiences within Qatalum. My experience with Qatalum has allowed me to establish a solid groundwork on the Aluminum processes, from the input such as raw materials and output such as waste and by-products generated from the smelting process.

## **2. What is your best memory of Qatalum?**

The staff is what makes Qatalum special. Not only are they well-trained, they keep a positive attitude and create support structures that are crucial for excellent team dynamics. Getting to know the Qatalum family over the years and all the people who help make the company the success that it is today have been the best memories.

Moreover, I have to mention the executive team that provides numerous options for skill development in the workplace, helping staff hone their skills and progress in their careers.

## **3. What has been the highlight of your career thus far?**

Thus far, the highlight of my career has been working for Qatalum. The company has remarkably forward-looking policies and strategies in place – for example, the progression of women in the workplace and numerous sustainable practices that will benefit our environment and community in the long run.

## **4. How has Qatalum implemented the Qatarisation policy, in line with Qatar's National Vision?**

One of Qatar's National vision pillars is "Human Development", on which Qatalum is focused today. My case is an example of the national development in Qatalum. As mentioned earlier, Qatalum gave me the opportunity and the priority to lead the Environment and Sustainability department as part of my personal development path. It also encouraged the progression of Qatari women in the workplace.

Moreover, Qatalum offers all their national staff the opportunity for a higher education as support and preparation for future leadership roles that benefit the company and the society at large.

## **5. You currently hold the role of Superintendent for the Environment and Sustainability Department. What are some key responsibilities that this role brings?**

I am responsible for overseeing the environmental performance. This covers emissions, domestic waste, process waste and liquid waste of the whole smelter. Moreover, I am also accountable for the emissions of carbon, casthouse products, power, port and utilities to ensure compliance with the Environmental Legislation Authority in Qatar.

Furthermore, I oversee the development, implementation and monitoring of environmental strategies, policies and programs that promote sustainable development and establish improvements.

Overall, my role in Qatalum gives me a bigger responsibility towards my country. I strive to reduce any kind of waste generated from the smelter to achieve sustainable development for all generations. In my opinion, this should be the goal for each and every person in a leading environmental position in Qatar.

## **6. What are your future plans for the company?**

Here, I would like to mention a quote from HH Sheikha Mozah bint Nasser Al-Misnad. She said: "We need to care for our natural environment for it was entrusted to us by God to use with responsibility and respect for the benefit of humankind. If we nurture our environment, it will nurture us."

Likewise, my future plan for the company is to reduce CO<sub>2</sub> emissions and footprint by setting stretched targets for the whole plant. At this point, targets have already been set for 2017. I also wish to reduce waste in landfills and increase the rate of recycling in Qatar. For these developments to occur, an innovative solution is needed in order to achieve the targets.

Furthermore, my plans go beyond Qatalum!! On a larger scale, it is also aligned with Qatar National vision for 2030. One of the vision's pillars "seeks to preserve and protect its unique environment and nurture the abundance of nature granted by God. Accordingly, development will be carried out with responsibility and respect, balancing the needs of economic growth and social development with the conditions for environmental protection".









# THE HEART OF THE COMMUNITY: QATALUM PARTNERS WITH TEXAS A&M UNIVERSITY QATAR FOR THE SHELL ECO MARATHON

Qatalum has always functioned with the needs of the community at its core – especially when it involves sourcing eco-friendly and sustainable solutions.

Qatalum was proud to invest in its community by sponsoring an engineering team from Texas A&M University (TAMUQ) for the Shell Eco Marathon in Europe.

The goal of the Shell Eco Marathon is to design a vehicle to 'travel a fixed distance reliably and safely on a minimum amount of energy, and comply with Shell Eco Marathon rules and regulations'. Thus, as sponsors, Qatalum offered financial support and professional advice to a team of ambitious students: Osama Desouky, Abdulla Baobeid, Youssef Badr, Mohamed Mtit, Mohamed Al-Thani, Mohamed Al-Kobisi, Abdulrahman Hendy, Syed Nazarath, Hassan Moussa, Abedlatif El Yaacoub and Ahmed Mechnmour.

Using an aluminium chassis, the team designed a fuel efficient and sustainable vehicle model that had a lighter weight and consumed less energy than conventional vehicles. The motor selected was already available at the University and satisfied all the power requirements of the competition. The car was controlled by Dr Ziyad and the ECEN team.



The material of the chassis components consisted of Al 6061 T6 alloy and the beams for fabrication were ordered from Mc-master Carr. Further, the estimated total weight of the chassis frame, dashboard mount and roll bar was 11 KG; the weight of the sheets of the bulkhead was 2 KG; the weight of the aluminium cover for ground separation was 5 KG.

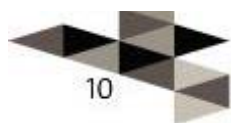
As a result of the favourable materials used, the stress analysis on the chassis frame was satisfactory in terms of stress

localisation and deflection. Thus, TAMUQ was able to compete successfully in the 2016 Shell Eco Marathon. Participating in a global competition allowed Qatalum and TAMUQ to be presented as effective and valuable contributors to the use of aluminium in the vehicle industry.

The vehicle was displayed at the Qatalum Service Centre Building for a short period of time.

A video presenting the 'behind the scenes' footage of the design process will be up on the Qatalum YouTube channel as well!





# HOT TOPIC OF THE DECADE: QATALUM'S HEAT STRESS PREVENTION CAMPAIGN CREATES A BUZZ

Qatalum launched its Heat Prevention Campaign for 2016. The Campaign was geared towards employees at the Qatalum plant and was dedicated to prevent the early stages of heat onset.



Over the last few years, the Campaign has greatly helped in reducing the number of heat stress incidents; only a few minor first aid-based cases have been reported since the launch.

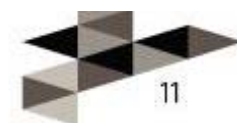
The official launch of the 2016 Heat Stress Prevention Campaign was held at a town hall meeting with QMT members, employees and contractors. The Campaign holds crucial importance that time of the year, just before summer. It helps to set in motion a conscious precedence to the importance of the campaign as operations move into the hot summer months.



Each year, the Qatalum team is heavily invested in the Campaign. Likewise, in its 2016 edition, Johnny Fernandez, Head of Occupational Hygiene hosted the opening program. Members of management were in attendance to represent visible leadership and solidarity, spearheaded by the CEO and COO. Vimeshkumar Jani, Occupational Health Physician of Qatalum, explained the focus and strategies of the Campaign. An example of a prevention strategy includes hydration during the summer months; as employers, QMT provides water free-of-charge.

With zero heat stress incidents this year, the Campaign has been deemed a success.







## GLOBAL OUTREACH: QATALUM PARTICIPATES IN ALUMINIUM WORLD TRADE FAIR 2016 IN GERMANY

Qatalum is proud and greatly honoured to have taken part in the 11th edition of the Aluminium World Trade Fair and Conference that was held from the 29th of November to the 1st of December in Messe Dusseldorf, Germany.









At Aluminium 2016, the world's largest trade event of the aluminium industry, aluminium producers and converters like Qatalum met with suppliers of technologies and equipment for the entire value chain. The trade fair was organised by Reed Exhibitions with valuable contributions by GDA – the German Confederation of the Aluminium Industry – and the European industry association European Aluminium. A total of 935 exhibitors and 24,313 visitors were recorded in 2014 and approximately 1,000 exhibitors attended the event this year.

Through its participation in Aluminium 2016, Qatalum works toward strengthening its position as well as boosting the market share of its high quality aluminium products in Europe and other global markets. The exhibition afforded Qatalum the opportunity to meet

with potential customers and suppliers, which could hopefully translate into tangible business opportunities in the future. Overall, Qatalum's representation enabled opportunities for industry-wide knowledge development and resource gathering with its "Made in Qatar" brand of premium quality primary aluminium products.

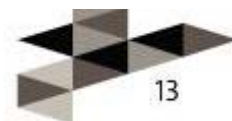
The crux of the conference was on networking tools - the conference organisers launched a free ALUMINIUM Matchmaking Tool, a cooperation platform that enables exhibitors and visitors to put out their feelers and establish targeted contacts with each other. The reach of this tool extends well beyond just the conferences themselves.

The exhibition discussed a wide array of pertinent

topics, from Raw Materials, Aluminium Products for Special Applications and Surface Treatment to Light-metal Trade and Recycling. Moreover, the Lightweight Technologies Forum and the Aluminium Forum shed light on the trends, product know-how and innovations within the world of aluminium and for different application in various industries.

Finally, the event also proudly issued the European Aluminium Award. The much sought after award, which will be handed out for the tenth time in 2016, looks for efficient and forward-thinking uses of aluminium as a material. Prizes are awarded for products and projects that use aluminium as a material in an innovative manner; the award is unique to the Conference.





# QATALUM'S COMMUNITY-BASED JOINT VENTURE: **THE CENTER OF EMPOWERMENT AND CARE ELDERLY (EHSAN)**

Corporate social responsibility isn't just a buzzword – it's a part of Qatalum's core values. Qatalum made a donation to The Center of Empowerment and Care Elderly (Ehsan) as part of it's CSR program.

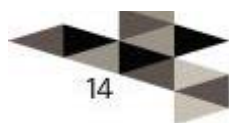
The Center of Empowerment and Care Elderly provides a number of health care and social services to seniors. These services include nursing services such as hygiene care, diet counseling, drug treatments and guidance for seniors and their families. It also covers physical therapy such as examinations, diagnosis and treatment programs designed to reduce pain, improve mobility and restore health. In-line with the Center's duty of care to seniors, Qatalum agreed to further its community-centered vision through a donation.

The donation will go towards channeling support to the elderly who need mobility devices in their daily lives. An example of such a device includes a 'Sit 2 Stand' Mobility Training Chair – a device that helps the elderly train their muscles to move from a seated position, to an upright position on their own. This eliminates third party assistance and keeps them healthy!

Establishing mutual trust with the community is at the forefront of Qatalum's goals. With the new budding relationship with The Center of Empowerment and Care Elderly, Qatalum has taken a step toward establishing itself as a CSR-centered organisation in Qatar.







# A NETWORK OF GLOBAL KNOWLEDGE: QATALUM ATTENDS GAC HEALTH, SAFETY AND ENVIRONMENT SEMINAR

From 15 – 16 November 2016, executives from Qatalum took part in the GAC Health, Safety and Environment (HSE) Seminar at the Doha Marriott Hotel, Qatar.



The Seminar was sponsored by giants in the Aluminium industry: ALBA, EGA, Fives, HATCH, MA'ADEN, Sohar Aluminium and Qatalum.

The GAC HSE Seminar provides an excellent opportunity for organisations like Qatalum to share global knowledge with other professionals in the field. The participants of the seminar gained a broader perspective on global issues with regards to smelters. A spectrum of subjects was covered, from topics such as 'Health and Safety Networking', 'Process

Safety' and 'Mobile Equipment Safety & Initiatives' to 'Recycling of Casthouse Cooling Water Blowdown'.

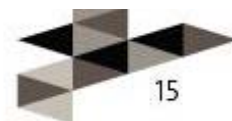
Qatalum's executive team had a hands-on role in this event. Ahmad Al Khudairi, Chief Financial Officer, gave a review about new developments in the market while Deon Earle, HSSE Manager, spoke about the process of safety carried out the Qatalum way.

Furthermore, Andi Mappangara, Senior Specialist HSSE, talked

about the electronic incident reporting system that will revolutionise safety standards in the field. Lastly, Christian Stette, Casthouse Process Manager, spoke about controlling dust emission from the casthouse in order to minimise environmental damage.

On the second day of the seminar, Deon Earle provided the concluding speech, bringing the event to a successful end.





## REACHING OUT, TOUCHING LIVES: QATALUM'S SUMMER INTERNSHIP 2016 DEEMED A SUCCESS



Qatalum's prestigious Summer Internship saw its 5th intake of interns successfully complete the programme. Inaugurated in 2012, the internship programme is offered to Qatar University students every year and is in line with Qatalum's continued efforts to create a workplace of competent citizens. This year's programme was organised by the Qatalum Qatarisation and Development team comprising of Mohammad Al-Mannai, Tanveer Ahmed, Magdi Hamed, Mamertus Eledi and Edward Wyk. The much sought-after eight-week programme was held at Qatalum Training & Development Centre in Qatar.

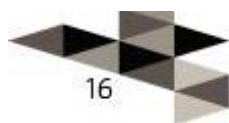
Prior to the start of the internship, a merit based recruitment process was conducted and 14 students were shortlisted from hundreds of applications. Those chosen

then had to undergo medicals, contract signing and inductions. After introductory tours of the power plant, students were deployed to various departments such as Chemical, Electrical, and Mechanical Engineering. During the internship period, each student had to undertake projects that aid Qatalum in identifying bottlenecks and suggest practical solutions to optimise Qatalum's processes in their individual fields.

At the end of the internship, the participants were presented with completion certificates, bringing to a close yet another successful round of internships. Overall, the internship programme gave students the opportunity to explore career avenues, boost their self-confidence and prepare them for their future careers.







16

# FROM MISSION IMPOSSIBLE TO MISSION ACCOMPLISHED IN JUST 33 WEEKS: 18,000 GREEN ANODE STOCK

Qatalum's Smelters Can Now Operate Without Interruption

Qatalum's Carbon Paste Plant Department had green anode stock levels of just over 3,000. However, after a review of the Business Continuity Plan, Qatalum improved its contingency target from 8,000 to 18,000 anodes. This was to maintain sustainability of the smelters in the long run.

Achieving 18,000 anodes proved to be a great challenge for the team. Through a joint effort, great team

involvement, commitment and hard work, the team managed to overcome their initial challenges. These setbacks were in addition to adverse climatic conditions that made their job more difficult. However, Qatalum is proud to report that, in spite of the unforeseen challenges, its Paste Plant has produced anodes of world-class quality at the lowest cost levels to date.

The increase in anode stock has helped Qatalum's operation to improve reliability that contributes to an efficient and cost effective operation. Overall, the rate of stock development started at 3,000 anodes in the beginning of the year and reached 18,000 in 33 weeks, equaling an increase of approximately 450 anodes every week on average – mission accomplished.





# CHANGING THE WORLD IS A COMMUNITY EFFORT!

## Qatalum Sponsors the Qatar Paralympic Committee at the Special Needs Sports Festival

Supporting the community and people from all walks of life is at the core of Qatalum's values. In support of all the constituents of the Qatari community, Qatalum offered its support as the sponsor for the Special Needs Sports Festival hosted by the Qatar Paralympic Committee (QPC).

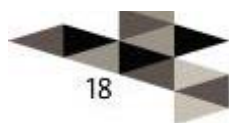
The Festival aims to assist those with special needs by helping them integrate with the community at large. It also encourages them to participate in sporting activities and empowers them to gain a sense of achievement through sports. As such, the participants will be able to gain self-confidence and improve their physical performance at the same time.

The main signs of nation development include the growth of crucial constituents of the community – likewise, Qatalum aims to improve the integration of people with special needs, in the Qatari community. Moreover, Qatalum also wishes to highlight the participants' ability to challenge their disability, thanks to their perseverance and persistence in life.

As a proud sponsor of the events, Qatalum not only supported the festival and contributed to the School's Olympic Program for mentally handicapped students, but also honored champions who deservedly won medals in various championships.







# BREATHING LIFE INTO THE WORKPLACE: QATALUM'S RESPIRATORY PROTECTION AWARENESS CAMPAIGN AIMS TO IMPROVE EMPLOYEES' WELFARE



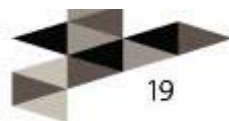
In 2016, Qatalum launched its Respiratory Protection Awareness Campaign to improve the welfare of its employees. The Campaign had an instructive and informative focus and aimed to re-educate employees regarding the company's Respiratory Fit Testing requirements – this includes the Qatalum Management Team (QMT) and external contractors. The Campaign emphasised the importance of Respiratory Fit Testing for employees, in fulfilling their day-to-day tasks at Qatalum.

Respiratory Fit Testing is a means of measuring the accuracy of fit of the respirator mask on the employees' face. The rationale behind the test is simple: Qatalum is very strict in upholding industry standards when it comes to employee health. As such, the Fit Test ensures that every individual – despite differences in size – will be able to have a leak-free respirator to ensure unhindered breathing while at work and during an emergency.

Creative marketing material was also a large part of the campaign – these materials were accessible and catered to employees of all nationalities. Some examples include leaflets, flyers, posters and even innovative screensavers to serve as safety reminders.

Overall, the Campaign has had a largely positive effect on employees; it has improved their quality of life and has helped prevent any potential risk of accidents.





# EXECUTIVES FROM QATALUM PROPOSE A CHALLENGE FOR CONTRACTORS: IMPROVE SAFETY STANDARD PERFORMANCE IN WORKPLACES

The Qatalum Management Team (QMT) attended the 2nd Annual Contractor HSE Forum. 18 contractors attended the Forum along with 34 representatives and 25 attendees from the QMT and other contract sponsors.

The Forum provides an opportunity for Qatalum and contractor management entities to discuss, interact and address issues and concerns related to HSE. Furthermore, the essence of the meeting was to encourage more information from the Qatalum contractors; the 2016 forum featured more contractor representatives than in 2015.

This year's key talking point was Safety Standard Performance. Likewise, in their opening remarks, Qatalum's CEO Khaled Mohamed Laram and COO Olaf Wigstol, challenged contractors to improve their safety performance. They pointed out that it is a leader's responsibility to ensure employees are operating safely and in compliance with rules and regulations. Moreover, Deone Earle, HSE Manager, presented Qatalum's HSE Performance, in which he pointed out the alarming Total



Recordable Injury for contractors, both directly and indirectly supervised by contractors. Following his presentation, contractors were given the opportunity to showcase their company's HSE Performance and share preventive and corrective actions that will prevent injuries in the workplace.

Other interesting contributions include showcasing an innovation in General HSE Induction process: the Online PIB Application system. Through this system, a contractor can request an induction through the online system, thus saving time

and resources and improving safety standards in the future. Furthermore, other companies like Multi-Mech provided more solutions to the issue of safety. A contractor from the Technical Department shared ideas and practices on Heat Stress Prevention.

Representatives from Qatalum closed the conference by emphasising that Qatalum HSE has an open door policy and always provides support to any contractor or employee that may need clarifications on safety and other related issues.





## QATALUM PARTICIPATES IN THE ARAB INTERNATIONAL ALUMINIUM CONFERENCE 2016

To engage in the prominent discussion of global challenges faced by the aluminium industry, Qatalum participated in the Arab International Aluminium Conference (ARABAL) in 2016.





The 20th edition of the ARABAL was hosted by Emirates Global Aluminium and ran from the 22nd to the 24th of November at Madinat Jumeirah in Dubai, under the patronage of H.H. Sheikh Hamdan bin Rashid Al Maktoum, Deputy Ruler of Dubai and UAE Minister of Finance.

ARABAL combines a strategic conference with an international exhibition. It is the premium trade event for the Middle East's aluminium industry and the only conference attended by every primary smelter in the region. The exhibition held alongside the conference showcased approximately 50 of the biggest names in the global aluminium sector, featuring specialists across the spectrum such as ALBA, Egyptalum, EGA, MA'ADEN, Sohar Aluminium and Qatalum.

ARABAL first began in 1983, meeting a pressing need to bring together leading figures in the Middle East Aluminium Industry. The Kuwait Aluminium Co. spearheaded the event to strengthen ties between companies in the same industry, discuss the issues of the day to provide an overview about the entire aluminium industry. Over the past 33 years, it has become an event of international repute, bringing together leaders from the aluminium industry across the world to network and conduct business.

More than 1,000 local, regional and international delegates, speakers, sponsors, exhibitors and visitors representing 20 countries are expected to attend the Middle East's premium aluminium industry gathering. Combining a strategic conference with an international exhibition, ARABAL is the only event of its kind in the region that enables industry leaders to network, conduct business, discuss global challenges



and identify suitable solutions for them.

In 2016, the Conference's theme was "Global Challenges – Seeking Solutions", focusing on challenges to the industry and suitable measures to combat them. The topics in discussion ranged from "Market Outlook", "Sustainability", "Scrap and Recycling" and "Industry Perspective" to "Looking To the Future".

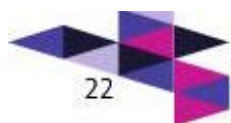
As Strategic Sponsors and significant contributors to the aluminium industry, Qatalum sent a delegation to ARABAL 2016. The delegation played a key role in providing solutions to inherent problems in the industry – Qatalum's Chief Executive Officer, Khalid Mohamed Laram, was a keynote speaker who addressed issues such as 'Energy Prices and Policy' and 'Downstream Industry: expansions / product mix dynamics

/ financial elements / raw materials / upward integration'. Chief Operations Officer, Olaf Wigstol took part in the COO Panel Discussion on entitled "Where Operations and Technology Intersect".

Furthermore, Qatalum's Sustainability Advisor, Dr. Mufeed Odeh, hosted a session entitled "Environmental Considerations for a Sustainable Aluminium Industry" on the second day of the conference. Dr. Odeh's session covered important topics such as emissions control (power generation emissions), hazardous waste management, and bauxite residue.

Sharing and exchanging knowledge of the industry is the key purpose of ARABAL each year. The level of industrial collaboration is truly outstanding and will continue to help facilitate a stronger aluminium industry across the Gulf.





# QATALUM REPRESENTED IN GULF SAFETY FORUM 2016

The key driver within the Qatalum's Process Safety Policy is Visual Leadership. The advantages gained by this enhances the overall Safety Process and ensures compliance of processes and procedures at the Smelter.



within Qatalum, and are the biggest contributing factors to Qatalum's safety success. The entire process is strengthened by commitment from the management at all levels.

The two-day event was organised by Euro Petroleum Consultants and the Gulf Organization for Industrial Consulting (GOIC); the high-level forum brought together key industry players from across the region to discuss strategies for the continuous improvement of safety procedures. This year, the event was held under the patronage of H.E. Sheikh Abdullah bin Nasser bin Khalifa Al Thani, Prime Minister and Minister of Interior of the State of Qatar.

Qatalum took part in the Gulf Safety Forum (GSF) held at the Hilton Doha, Qatar. GSF was specifically designed to share the very latest strategies for boosting safety excellence with a blend of international and local expertise focusing largely on Process Safety. Professionals in the field contributed to the pool of knowledge at the forum, by sharing successful case studies and roadmaps towards achieving the goal of zero accidents in the workplace.

Representing Qatalum was Deon Earle, Qatalum HSSE Manager. Earle presented a paper on Process Safety – the Qatalum Way. The paper

focused on the Qatalum approach, a well-defined and simple HSE Policy with clear roles and responsibilities.

The paper noted that Process Safety is only one important element of the Qatalum Safety Process. The Process Safety Program, as part of the larger process, enables Qatalum to identify major risks, build a rigorous visual leadership culture and therefore ensure compliance to Safe Operating Procedures and Processes.

The WOC (Walk, Observe, and Communicate) process, along with visible leadership, form the other key parts of the safety process

Furthermore, international safety experts and providers of safety tools and technologies presented the latest methodologies that can help companies achieve their safety goals and targets. Overall, the Gulf Safety Forum provided a unique arena for key industry stakeholders like Qatalum to present their experiences and share frontline developments to benefit all participants.





# QATALUM SPONSORS “MADE IN QATAR EXHIBITION 2016” IN RIYADH

Qatalum's Senior Management showcased the company's achievements.









Qatar Aluminium sponsored the 5th Made in Qatar Exhibition, organised by Qatar Chamber and held for the first time outside Qatar, in Riyadh. The exhibition took place from November 6-9, 2016.

As a Silver Sponsor, Qatalum showcased its achievements through a stand, where representatives of the senior management met with visitors.

The exhibition was inaugurated by HE Dr Mohammed bin Saleh Al Sada, Minister of Energy and Industry in Qatar, in the presence of HE Dr Majed bin Abdullah Al Kasabi, the Minister of Trade and Investment in Saudi Arabia, HE Sheikh Khalifa bin Jassim Al Thani, Chairman of Qatar Chamber, and a number of Saudi officials and business leaders from Qatar and Saudi Arabia.

Mr. Khalid Mohamed Laram, CEO of Qatalum, headed a high level delegation from the senior

management to participate in the Made in Qatar Exhibition and the Qatari-Saudi Economic Forum, which was held on the sidelines of the exhibition. Both events took place in the presence of ministers of energy and industry from both countries, the Chairman of the Council of Saudi Chambers, the Chairman of Qatar Chamber and the CEO of Qatar Development Bank.

Qatalum has been committed to participate in Made in Qatar Exhibition since its inception in 2009. In its debut outside Qatar, the exhibition was held in the KSA as part of the positive cooperation between Qatar and Saudi Arabia. The purpose was to promote national industries in the KSA and GCC markets.

Qatalum is at the forefront of the nation's efforts to diversify its economy. In a recent speech at the Advisory Council, His Highness the Emir of Qatar, stressed the

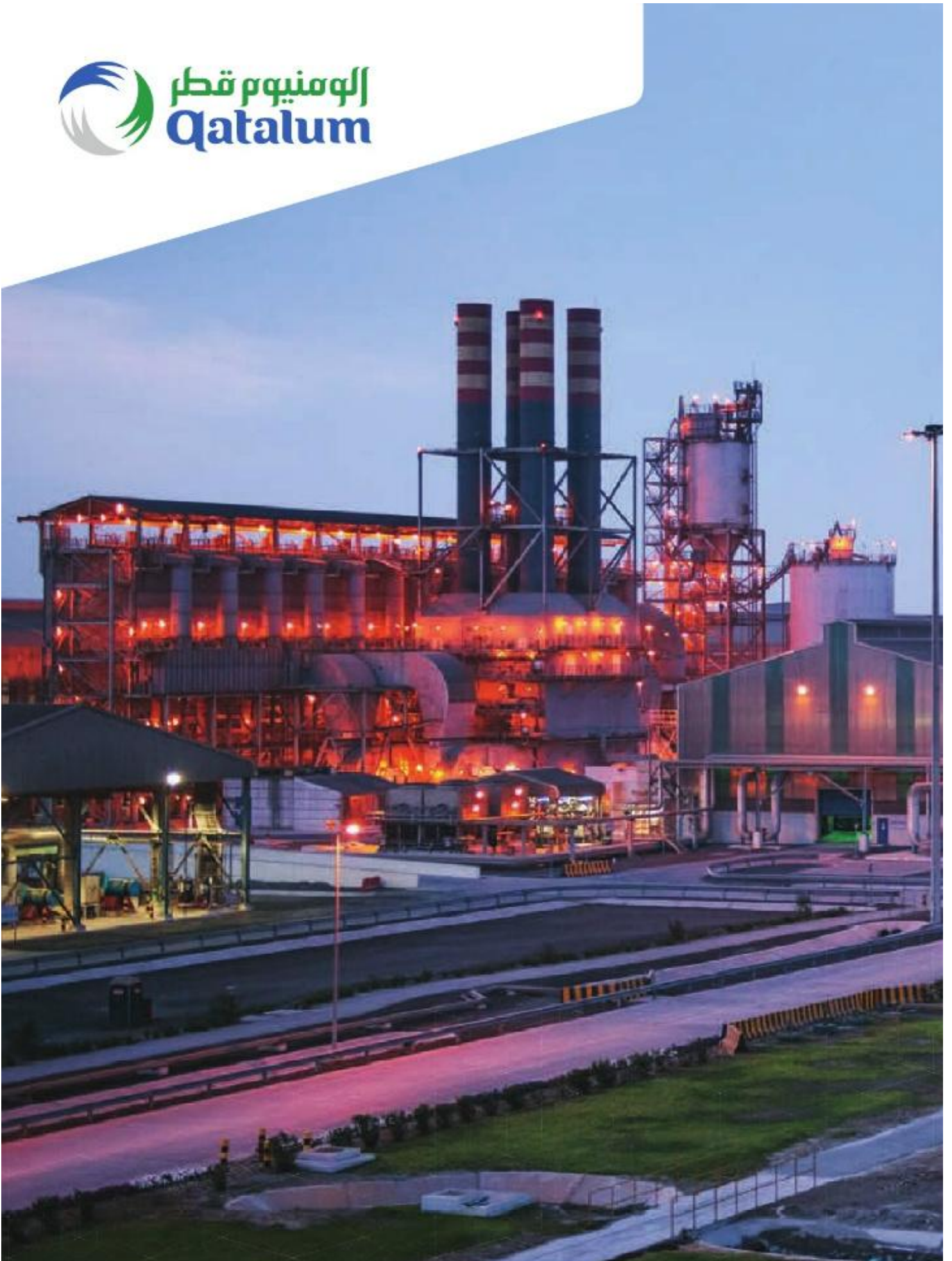
importance of strengthening the growth and expansion of non-oil sectors and diversifying the economy. His Highness pointed out the increase in contribution from the non-oil sector in Qatar, to 11%. Under the prudent guidance of His Highness, Qatalum continues producing high quality primary aluminium products that are used in various manufacturing sectors all over the world. No doubt, organising this year's exhibition outside Qatar is an ideal opportunity for the country to exhibit its products to a wider clientele from the KSA and GCC countries.

Organised in an exhibition area of 10,000 square meters, this year's edition of the Made in Qatar Exhibition attracted over 200 Qatari companies and factories. Qatari products drew the attention of Saudi investors at the exhibition, which resulted in many deals and cooperation agreements between the Qatari companies and their Saudi counterparts.













# Maximizing Energy Utilization Through Efficiency

