



Al Jaber Heavy Lift

Safely onwards and upwards

HIGHLIGHTS

**our twin
technology**

IN EUROPE
THE MIDDLE EAST
& THE FAR EAST

case studies

SUCCESSFUL
TRANSPORTATION &
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SAFETY, PEOPLE &
EQUIPMENT

FROM DESERT TO JUNGLE

AJHL's global expansion
reaches the jungles of
Papua New Guinea

WELCOME



Alexander Mullins
CEO, Al Jaber Heavy Lift

“Welcome to the fourth edition of HIGHLIGHTS which gives us an opportunity to reflect upon recent events and evaluate our capability for the future.

Our goal is to consistently provide our clients with safe, comprehensive, high quality, engineered heavy lifting and transportation services onshore and offshore which meet world-class standards and regulations. Accordingly, we have successfully completed several milestone projects internationally and extended the range of our activities as far afield as Europe and Australasia from our Middle East stronghold.

We are very grateful to our employees. We are in no doubt whatsoever that our successes are due to the professionalism and dedication demonstrated by our highly trained and motivated workforce in comprehensively applying our safety procedures and modular documentation in their day to day activities. Our ability to join with our clients at the early stages of planning and to ensure contingency arrangements are in place in case of changes has also contributed significantly to our achievements.

We hope that you will find the contents of this magazine interesting and, in the meantime, we would like to thank the Al Jaber family for their support, guidance and vision in the strategic development of AJHL, the Al Jaber Heavy Lift group.”



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Global Reach
Al Jaber Heavy Lift has world class heavy lift capabilities, an impressive track record and exceptional organisational, engineering and technical facilities.

OUR TWIN TECHNOLOGY IN EUROPE



THE BRIDGE OVER THE BOSPHOROUS CONNECTS ASIA AND EUROPE. Throughout history Istanbul has been one of the world's most famous cities, in large part due to its location on the Bosphorus where Europe and Asia meet. With over 70% of the world's crude oil and natural gas reserves located in the surrounding regions, Turkey is a crucial energy corridor between Europe, Central Asia and the Middle East.

When one of the world's largest oil rig contractors needed to get a vessel underneath the Bosphorus Bridge in order to reach the Black Sea, some serious lifting capability and expertise was needed. Al Jaber Heavy Lift (AJHL) stepped in and facilitated the dismantling of structures on the vessel (which reached 90m high), so that it could pass under the bridge's 65m clearance. The two 548Te structures were then reinstalled on the other side and the vessel was able to reach the Black Sea oil and gas fields.

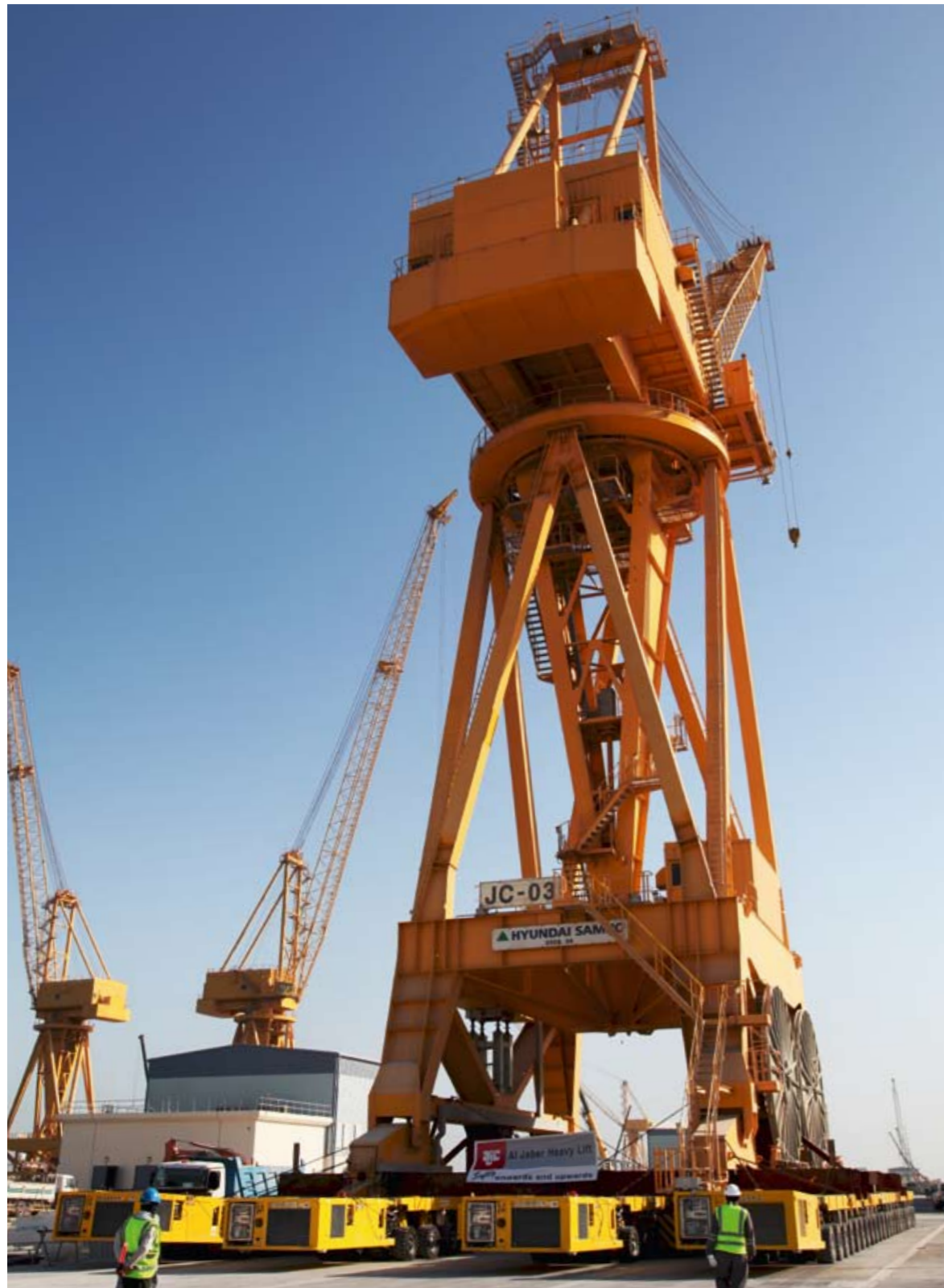
That the whole work was finished well within time and with no incident or accident is great credit to AJHL expertise. By analyzing possible risks and eccentricities, and by planning for all contingencies AJHL ensured safety and performance. Planning well ahead is a key AJHL characteristic and all possible concerns are minutely considered, recorded and executed according to detailed plans. Safety is always key and is prioritised from beginning to end.

“Our project successes are a result of the dedication of our highly trained specialised teams. AJHL is building on its reputation for utmost safety, for operating with a very visible planning system and comprehensive, integrated project documentation.”

Rabah Badran, General Manager, AJHL Turkey



THE MEN THAT MOVE GIANTS



HEAVY TRANSPORTATION QATAR

DUE TO HIGHLY MOTIVATED TEAMWORK between professionals from AJHL and its client, 11 giant jib cranes were safely transported into position at the client's new ship building facility in Ras Laffan, Qatar. Some 12,870Te were successfully transported in 78 days with 14,040 incident and injury free man-hours.

The achievements are even more staggering than the figures and images suggest. The cranes were not designed to be transported when assembled and the site condition itself was changing due to ongoing construction activities. But for the client, safe and successful transportation of the giant cranes would save them precious project lead time.

The cranes are real giants, each 100m high and weighing 1,170Te, and after detailed discussions and planning that started in 2008 the project was successfully completed in 2010. It was crucial that every single factor of the task was considered, from the vast height and weight of the cranes, and that their centre of gravity was a full 26m above ground level, to monitoring the wind speed and constantly maintaining the crucial stability angle of 6.90°.

“Planning was crucial; extensive safety plans, proper communication and contingency plans at all levels made this extraordinary logistic challenge an extraordinary reality.”

Naiem Al Hajjar, Managing Director, Doha Hub



AJHL IN KSA



UNDER THE LEADERSHIP OF General Manager Bachir Jawhar, AJHL is developing operations in the Kingdom of Saudi Arabia. During the past year we were able to provide our services to several local clients in Makkah, Riyadh and Dhamam.

Based upon receipt of various regulatory permissions, we now intend to accelerate the equipment and personnel mobilisation process to the Kingdom of Saudi Arabia. Storage facilities and office premises for AJHL KSA have been obtained in Al Khobar where most of the EPC contractors are located. Commercial and technical offers have been submitted for several major upcoming petrochemical projects in the Kingdom of Saudi Arabia and we anticipate active participation in the project execution phases.

AJHL KSA HAS COMPLETED the first phase of an important project, the SAMCO AA Project in Jubail, Saudi Arabia. AJHL erected a 740Te reactor with a height of 8.6m and a diameter of 8m utilizing our Demag CC8800 (1250Te Cap.) crane rigged in 60m SSL configuration. Our project management and engineering team were a constant presence on site from planning to installation periods and this continuity of service contributed greatly to the successful completion of the first phase of the project and to overcome all challenges.

With continuous evaluation Al Jaber Heavy Lift managed to maintain an injury and incident free environment throughout the project. The second phase of the project is ongoing where we are using several heavy-duty cranes for erection and installation of various types of vessels.



“We are developing a long and very successful working relationship with our clients in Saudi Arabia. We will combine our in-depth project expertise and our reputation for delivering high quality heavy lifting and transportation services to establish a sound platform to meet upcoming challenges.” Bachir Jawhar, General Manager, AJHL Saudi Arabia

AJHL IN INDIA



AJHL India was an active presence at Petrotech 2010 with a prominent stall area with significant visitor exposure.



The biennial oil and gas conference in New Delhi was the perfect opportunity for AJHL India to increase its involvement in the region.

INDIA IS A VERY STRATEGICALLY IMPORTANT REGION for Al Jaber Heavy Lift and, from his Mumbai office, Mark Rowlands the AJHL India General Manager believes that AJHL's long term reputation with international clients and excellent heavy lift project record will make India a very exciting region for us. It is a growing market and, with increasing project opportunities, AJHL will continue to service its myriad international clients.

As a demonstration of AJHL's growing involvement in the region, AJHL India was an active presence at Petrotech 2010 in New Delhi. The biennial oil and gas conference and exhibition was organised under the aegis of the Indian Ministry of Petroleum & Natural Gas Commission and the Petrotech Society. Several industry delegates visited the stall and on the spot enquiries were received from a number of the region's key companies. Increased involvement in the region and the associated benefits should soon be reaped.

Operating in India under the overview of AJHL's Abu Dhabi Hub, Mark Rowlands is looking forward to busy times ahead. With significant contacts and capability already in place, and with the ability to deliver the full AJHL capability to any client anywhere, there is every reason why India will present exciting opportunities for AJHL.



“The growing market demand in the region will enhance our project opportunities in India to serve both local and international clients.” Mark Rowlands, General Manager, AJHL India

METICULOUS SUCCESS

“The best moment in professional life is on completion of a complex project when the client shakes your hand and says ‘well done’. This project was such an example thanks to teamwork with the client and continuous focus from pre-engineering to planning and final execution while keeping safety as the top priority throughout.”
Minhaj Rizvi, Abu Dhabi Hub Engineering Manager



PERFECT PREPARATION & EXECUTION ABU DHABI

Load out success based on meticulous preparation, engineering and planning.

Sophisticated engineering, marine and structural calculations, six months of planning, a detailed seabed and jetty survey, precise tidal measurements, 44 axle lines, two barge trips, and resultant project success.

DOWN BY THE QUAYSIDE IN ABU DHABI, Al Jaber Heavy Lift (AJHL) executed an extraordinarily successful load out of an extraordinary cargo. To be moved from a fabrication yard in Mussafah were a 1,000Te Living Quarter Module (LQM) measuring 29m x 13m x 22m, a 58Te Life Boat Platform measuring 16.5m x 12.6m x 3.8m, and a 100Te Helideck Platform with Pancake measuring 25m x 25m x 5.4m. Due to the heavy weight and over dimension of the cargos two barge trips would be required for the entire load out operation. The first trip carried the massive LQM and the Helideck Platform and the second trip carried the solo Life Boat Platform. The load out utilized 44 axle lines of Self Propelled Modular Trailers (SPMTs) with two power packs to carry and pull the 1,000Te LQM the 150m from the yard to the barge.

Every aspect of the engineering was done in-house with sophisticated marine and structural software and involved marine and structural calculations, ballasting and deballasting the barge, barge strength and stability, load spreading, and other structural packages. The appointment of a Marine Warranty Surveyor (MWS) added the finishing touch to the technical aspects of the project. All of the operation was performed under the watchful eyes of the surveyor who furnished the sail away certificate upon completion and inspection of sea fastening.

The load out was entirely tide dependent and a detailed seabed and jetty survey was conducted. Detailed tidal measurements were carried out to foresee any tidal variations and the final date and time was decided upon, a crucial decision as any mistake would have led to the barge being grounded. Further major challenges included the strengthening of the jetty, the design of bollards that could absorb the combination of marine and environmental loads, and the design of eight special stools for load spreading on the barge. All of the design, engineering, calculations, planning and documentation process were completed and approved in advance and the project was duly executed impeccably.

Another milestone for AJHL's reputation and expertise was reached as the entire project was completed with no LTT's and incidents.

The key factor behind successful operations is the qualified and competitive multidisciplinary crew. It is their dedicated hard work and strict application of our modular project documentation that results in projects being executed without any delay; keeping in consideration all the aspects of safety and quality and without compromising any of the standards and conditions.

OUR TWIN TECHNOLOGY IN THE MIDDLE EAST



“I am delighted that we have delivered another safe and successful integrated heavy lift project on schedule, again demonstrating our ability to manage and execute challenging projects, including detailed engineering and project management activities.”

Tony Haddad, Managing Director,
Abu Dhabi Hub

TO LIFT 425,000KG OF PRECIOUS CARGO 155 METRES HIGH takes some doing, some expertise. When one of the world's largest oil rigs required leg extensions to be installed, it was Al Jaber Heavy Lift who showed that expertise, that capability.

At a facility in Al Hamriyah, Sharjah, Al Jaber Heavy Lift had to transport the 50m long leg extensions from the fabrication area to the crane and position them vertically before lifting them 155 metres in order for them to be installed on top of the existing legs. That the operation was concluded safely and successfully five days ahead of schedule is testament to the extraordinarily high quality of Al Jaber Heavy Lift's service and performance.

The entire project was a perfect display of the company's capability and expertise. Involved from the outset, Al Jaber Heavy Lift was able to provide detailed planning and client interaction through every stage. For Al Jaber Heavy Lift itself the project was a technical challenge. Not only was it an exceptionally high lift in a delicate quay-side location, Al Jaber Heavy Lift's comprehensive solution for its client couldn't have better embodied the company slogan of 'safely onwards and upwards'.

LOAD OUT SPECIALISTS



DEDICATION, PLANNING & PROFESSIONALISM



FROM YARD TO JETTY TO BARGE, AJHL successfully executed the load out of a 2,400Te RS12 deck. The deck (53m long, 43m wide and 20m high) formed a part of the B22 field development in the Heera Panna Basin where rich oil deposits have recently been discovered.

AJHL utilized 142 axle lines of SPMTs with eight power pack units for the project. The axle lines were placed below the deck as per the engineered study and the deck was gradually loaded from the yard by the trailers. Upon travelling to the jetty, the deck was slowly loaded out onto the barge using the SPMT axles.

All AJHL's successful operations are only possible thanks to the qualified and competent crew which included engineers, supervisors, operators, riggers and helpers. Their dedicated hard work resulted in the project being executed safely and without any delay to the schedule.



DEDICATION, PLANNING, PROFESSIONALISM AND EXACT EXECUTION all combined to ensure success in the load out of a 1,000Te offshore process module. With 66 axle lines of Self Propelled Modular Trailers (SPMTs) with four power pack units, Al Jaber Heavy Lift (AJHL) shifted the module from the fabrication yard to the quayside for load out.

Successful transportation and load out operations are an AJHL speciality involving detailed preparation and teamwork.



ANOTHER SUCCESSFUL LOAD OUT OPERATION was completed in Abu Dhabi. Thanks to the dedication and professionalism of the crew, the operation was completed without delay and keeping in consideration all the aspects of safety and quality without compromising any of the standards and conditions. The 1,768Te BS22 deck was gradually loaded from the yard by the trailers. Al Jaber Heavy Lift (AJHL) utilized 76 axle lines of Self



Propelled Modular Trailers (SPMTs) with eight power pack units to load out the 39m long, 36m wide, 25m high deck. Upon reaching the jetty the trailers loaded the deck onto the barge in coordination with ballasting arrangements. With the deck safely aboard, the barge was then able to transport the deck to the oil rich Heera Panna Basin where it became part of the B22 field development.

“We have safely and successfully executed many complex and challenging load out operations. We pay great attention to planning and to ensuring that alternative options are available in case required. Our projects are delivered to the highest standards of safety and accuracy as has been recognised by our customers.” Narudon Khachachai, Projects Manager



STEP BY STEP



AJHL is proud of its integrated technical and logistics capabilities. Every corner of the globe is reachable and every client requirement achievable. With a waterfront fabrication yard of 300,000 square feet, AOS is ideally located on the Pandan river, conveniently linked to Singapore's road, sea and air transport network.

State of the art workshop facilities, sophisticated equipment, a fleet of overhead, gantry and mobile cranes from 10T to 600T, mean that AOS is well capable of handling fabrication requirements for FPSO topside modules, process skids, boilers, compressor modules, stingers, pressure vessels and sub-sea structures.

INTEGRATED FABRICATION & LOGISTICS SERVICES IN THE FAR EAST

IT IS IRRESISTIBLE. Being part of the Al Jaber Group ensures that if a client needs solutions, solutions there will be.

When one of the world's largest combustion equipment manufacturers engaged Asia Offshore Services (a subsidiary of Al Jaber Heavy Lift) to fabricate the modules for three LP boilers, it received the fullest of solutions. From the professionalism of Asia Offshore Service's (AOS) clear project schedule, method statement and regular reporting, to being able to deploy the diverse Al Jaber Heavy Lift logistics capability when called for - this prestigious client was well cared for; and when the LP boilers were delayed by two months at the client's end, AOS began to demonstrate these synergies and organisational expertise.

Step by step, AOS was able to meet and exceed the client's needs:

- Schedules were adjusted to ensure that additional work was undertaken on the modules to minimise delay upon eventual receipt of the boilers.
- The client's challenges in getting the boilers from China were taken on as AOS's own and, in synergy with AJHL, the boilers were transported all the way from China.
- Then AJHL's capability ensured they were offloaded at the AOS yard. The modules duly fabricated at the AOS yard, the boilers were installed, moved to the jetty, lifted and loaded using AJHL's Self Propelled Modular Trailers (SPMTs) and cranes onto our Al Jaber ship and transported to the client's designated location.
- The module build itself had involved full structural, piping, insulation, electrical and instrumentation works including fabrication and installation of several skids.
- This synchronised performance of crafts, cranes, transportation and fabrication capabilities saw the project completed on schedule, despite the two month delay in receipt of the boilers from the client.

The detailed and diverse operations, and indeed the entire project, were a resounding success for AOS and AJHL. The client was delighted and keen to continue the relationship. AJHL had again demonstrated its capability to provide full service solutions.



“Over the years we have tailored our integrated operations so that our Singapore fabrication workshops and yard facilities provide optimum servicing, quality repair and support facilities which are vital in enabling us to respond comprehensively to industry demands.”

Kumar Poonamallee,
General Manager,
Asia Offshore Services

OUR TWIN TECHNOLOGY IN THE FAR EAST



One million man-hours without a single lost time incident, a remarkable achievement.

FROM ITS SINGAPORE HUB Al Jaber Heavy Lift (AJHL) is extending its market presence in Asia and Australasia. The recent Singapore Parallel Train Project has proven to be of groundbreaking significance. AJHL's first project in the region and largest single project undertaken to date, it has proved to be highly successful. The project presented significant challenges, all of which were overcome safely and with some style.

Safety is always a matter of top priority for AJHL and this project produced an excellent example. Over one million man-hours were achieved without a single lost time incident. This was no mean feat, the project being in a live plant. By undertaking the most comprehensive of safety training courses and constructing a fully self-supporting office complex and maintenance workshop, AJHL safely and successfully executed the contracts for onsite heavy lifting and transportation, as well as warehousing. Once again the success and effectiveness of safety, health, environmental and quality procedures, engineering and project execution techniques, teamwork and the close association with clients, have all significantly contributed to the landmark achievements. The project's legacy will live long as AJHL's reputation and geographical reach attained new heights.

“Once again we demonstrated that safe working is fundamental to overall project success. We have developed an excellent relationship with our client and we look forward to further co-operation with them.” Alan Dunn, Managing Director, Singapore Hub





AJHL IN PAPUA NEW GUINEA

ONE OF THE WORLD'S WILDEST OUTPOSTS, Papua New Guinea is a remote and rugged land, as rich in pristine indigenous cultures as natural resources. Known now for its important mineral deposits, it was originally famed for its colourful birds of paradise, exotic tribes and, yes, headhunting and cannibalism.

Times have changed though, and Al Jaber Heavy Lift's (AJHL) greatest challenges in deploying five heavy crawler cranes at a prestigious LNG infrastructure project had nothing to do with the welcome from the locals. With the most inhospitable of terrains to overcome, impenetrable forests meant transportation had to be up wild tropical rivers. Transporting heavy technical equipment great distances in uncertain conditions, and without the usually expected infrastructure, is clearly a challenge.

No matter to AJHL, the conditions were taken on, the planning was put in place and the project was successfully realised. From Singapore, where the project was managed, new cranes were commissioned and then transported, the challenge was accomplished and AJHL was operational in Papua New Guinea – and it turned out the locals were welcoming after all.



AJHL IN AUSTRALIA

AL JABER HEAVY LIFT (AJHL) CURRENTLY HAS A FLEET of heavy cranes and modular trailers deployed in Australia for a long term duration with world-renowned EPC contractors and oil companies. The intention is to progressively build up the fleet size of the cranes and transport equipment over the forthcoming period to meet the growing demands of the Australasian market. AJHL's logistics expertise is particularly advantageous in this region given Australia's extremely stringent quarantine regulations whereby not even a grain of foreign dust can be imported.

Various business development processes for the future expansion of the Australia branch are ongoing under the guidance of AJHL's Singapore hub. From his Perth office, Robert Weight the General Manager of AJHL Australia foresees exciting times ahead across Australia and the wider region. With the support of AJHL there is the capability to meet all client requirements.

“Australia is the start of a new chapter and we are very excited about upcoming developments in the region.”

Robert Weight, General Manger, AJHL Australia



NEWS



New Premises For Corporate Strategic Team

AL JABER GROUP CHAIRMAN Mr Obaid Khaleefa Al Jaber opening the new offices for the Corporate Team in Mussafah. We are delighted with the modern facilities from which the global activities of AJHL are monitored using Oracle computer software to ensure that the strategy agreed with the owners is implemented.

Singapore Economic Development Board chairman visits Abu Dhabi

We are thankful to the Singapore Economic Development Board Chairman and his colleagues for their visit to Al Jaber Group's headquarters to meet with the senior Al Jaber Group management together with the Al Jaber Heavy Lift team. Al Jaber Group honoured the chairman with a reception hosted by Mrs Fatima Al Jaber, COO of Al Jaber Group. There is great excitement at the possible development of a long term strategic relationship with Singapore and the Singapore Economic Development Board. With AJHL already active in Singapore, the meeting brought promise of great opportunity for closer relations in the future.



DELIVERY OF SAFE AND SUCCESSFUL WAREHOUSING PROJECT SERVICES

Al Jaber Heavy Lift are safely and successfully delivering warehouse services as part of the Singapore Parallel Train project for which AJHL have utilised cranes, transport equipment, forklifts and a workforce of approximately 70 personnel.

AJHL applied the client's cutting edge procedures and systems for the warehouse management which ensured a very high standard of inventory control and smooth supply of materials to the various site construction activities on a timely basis.

AJHL are grateful for the teamwork demonstrated between the client and AJHL personnel as this has contributed significantly to the safe and successful execution of this challenge.



PERSONNEL TRAINING AND DEVELOPMENT

AJHL has made significant progress in implementing training and development programs that deliver quality professionalism. Our partnership with the Al Jaber Group Training and Career Development department to provide a series of courses covering a variety of disciplines has been very successful and further demonstrated AJHL's commitment to its people, its most valuable resource.



Abu Dhabi Employee Of The Year

Congratulations to Safety Officer Mr Rony Sunny Geevarghese on being awarded Abu Dhabi Employee of the Year 2010 by Abu Dhabi Hub Workshop Manager Mr Raed Badran. This award is in recognition of his ability to comply with all safety standards and project documentation.



Al Jaber Family Joined With AJHL Team Beside One Of Their Demag CC 8800-1 Cranes

AL JABER GROUP chairman Mr Obaid Khaleefa Al Jaber, CEO Mr Mohammed Al Jaber and COO Mrs Fatima Al Jaber gathered with AJHL team members beside a Demag CC 8800-1 crane with crawler twin attachment (3,200Te capacity). Our highly trained, professional workforce and their teamwork ensure success in the field.



Doha Employee Of The Year

Mr Karna Bahadur Shrees has been recognised for his hard work and commitment to safety with the Doha Employee of the Year 2010 award. Mr Shrees, a crane operator, is proud to hold an excellent track record in all aspects of his work and is a fine ambassador for AJHL values. Consistent outstanding performance is a hallmark of AJHL and is a driving motivation for all levels of AJHL staff.

“Our congratulations to all the teams and many thanks to all those who have contributed to our excellent reputation. Such outstanding performance is the perfect realisation of our corporate mantra. AJHL really does deliver on its promise - safely onwards and upwards” Sayed Sabahuddin , Managing Director, AJHL Corporate Office





Al Jaber Heavy Lift

Safely onwards and upwards



CORPORATE OFFICE

AL JABER HEAVY LIFT
Mussafah, UAE
Tel: + 971 2 5554300
Fax: + 971 2 5553370
Email: aje@eim.ae

DOHA HUB

**AL JABER HEAVY LIFT
& TRANSPORT WLL**
P.O. Box 40032
Doha, Qatar
Tel: + 974 4603899
Fax: + 974 4603897
Email: ajhl@ajhl.com.qa

ABU DHABI HUB

**AL JABER HEAVY LIFT
& TRANSPORT LLC**
P.O. Box 2175
Abu Dhabi, UAE
Tel: + 971 2 5825454
Fax: + 971 2 5825115
Email: ajhl@eim.ae

SINGAPORE HUB

**AL JABER HEAVY LIFT
& TRANSPORT PTE LTD**
21 Pandan Crescent
Singapore 128471
Tel: + 65 67775 2411
Fax: + 65 6778 0026
Email: ajhl@ajhl.com.sg

Please visit our website (www.ajhl.com) for subsidiary branch contact details and other information.