



COMBINATION SYNERGIES

of fabrication, heavy lifting
and transportation



WELCOME

It is with great pleasure that we welcome you to Edition 7 of Highlights. This issue marks the passing of a very significant milestone — **10 Million Man Hours without LTI**.

This staggering achievement was celebrated with festivities and prize-givings in each of our hubs, which were enjoyed by all. On behalf of the management team and shareholders, once again I sincerely thank the entire Al Jaber Heavy Lift (AJHL) passionate and dedicated workforce for the individual contributions made to this collective triumph.

In the wider world, the low price of oil continues to impact our industry, and the global departure away from oilfield development towards infrastructure construction is a continuing trend. Our traditional operations in heavy lifting and transportation remain strong despite economic conditions, but with our wealth of experience, AJHL is also primed to capitalise on this wider shift in direction. With every successful job completed on high-profile infrastructure, leisure, tourism and architectural projects, we are demonstrating the success of the AJHL business model and cementing our position as a key player in the construction industry.

The recent months have seen AJHL branching out geographically and technically. We have carried out a heavy transportation project in Turkmenistan as well as several prestigious heavy lift, heavy transportation and loadout projects safely in remote locations across the Middle East and Far East. Also, Asia Offshore Services (AOS) Singapore, a subsidiary of the AJHL Group fabricated and delivered several sophisticated off-shore modules to international clients allowing them to benefit from the synergies achieved by combining the capabilities of AOS and AJHL. These contracts are building upon our solid reputation for craftsmanship excellence.

These are exciting times, indeed, for Al Jaber Heavy Lift. We are exceedingly proud of the team behind our recent achievements and grateful to our new and loyal customers, and shareholders, without whose trust and collaboration, none of these successes would be possible. We look forward to the coming months and continuing our mission ‘safely onwards and upwards’.

Alexander Mullins
Executive Director
Al Jaber Heavy Lift Group



FRONT COVER IMAGE Integrated triple boiler module fabricated by Asia Offshore Services Singapore (AOS), a subsidiary of AJHL. An excellent example of the combination synergies of module fabrication, heavy lifting, heavy transportation and loadouts available within the Al Jaber Heavy Lift Group. See page 22 for story.



IN THIS ISSUE

- | | | |
|--|---|--|
| 04 TALL TALES
IN KSA | 14 ENGINEERED HEAVY
LOAD OUTS, UAE | 24 TURN OF THE TIDE
INDONESIA & BRUNEI |
| 06 STANDING PROUD
KSA | 16 PERFECT SYNCHRONICITY
DUBAI CANAL, UAE | 25 IT'S GONE SWIMMINGLY
AUSTRALIA TO SINGAPORE |
| 08 SKYLINE DOMINANCE
AL WAHDA ARCH, DOHA | 17 A WORLD IN MOTION
DUBAI PARKS & RESORTS | 26 CROSSING NEW BRIDGES
BRUNEI |
| 10 DOUBLE GOLD WINNERS
DOHA METRO | 18 SKY HIGH SUCCESS
IN ABU DHABI | 27 MOTIVATED TEAMWORK
AUSTRALIA |
| 11 TURKMENISTAN
TRANSPORTATION | 19 ENGINEERING UPWARDS
DUBAI | 28 COMMUNITY SPIRIT
FUNDRAISING AND FUN |
| 12 TIME-CRITICAL LOADOUT
KSA | 20 ON SOLID GROUND
SINGAPORE | 29 HAND AND HEART
ALI KANNAN |
| 13 A BALANCING ACT
ABU DHABI | 22 TURNING UP THE HEAT
ASIA OFFSHORE SERVICES | 30 10 MILLION MAN HOURS
WITHOUT LTI |

TALL TALES IN KSA



After a close and heavily competitive bidding process, AJHL won an important installation contract for equipment at Saudi Arabia's vast refinery project in Jazan Economic City.

HEAVY LIFTING DUTIES

The winning combination for AJHL were its capabilities for heavy transport, heavy lifting, project management and engineering. Indeed, the weight and scale of the 1,367Te, 110m tall, 8.4m diameter Xylene Rerun Column to be installed was a key factor in the contract being awarded. To put the column's weight into perspective, it was heavier than 13 Blue Whales, the largest mammals on earth. The other heavy lift job in the same package was a smaller 691Te Raffinate Column (equivalent to 'just' 7 Blue Whales).


KEY CHALLENGES

With the win under their belts and the contract underway, the team set about to meet the ambitious, time-bound schedule they had proposed in their bid. The main challenge to the schedule was to ensure that the site conditions were optimum and pre-installation activities were completed prior to the heavy transport and lifting. Aiming to boost the schedule and reduce the time involved in crane

set-up, the team set themselves the additional challenge of configuring all equipment to handle all lifts from a single set up, which was achievable thanks to some ultra detailed project engineering and safety planning. The major project challenge came with the scale of the heavy lift. As well as the extraordinary weight of the columns, the 110m height presented additional technical challenges for the 117m + 15m SFVL Demag CC8800-1Twin, all of which were systematically identified and dealt with step by step.

TEAM EFFORT

A crew of 59 helped to deliver this heavy lift project successfully. A team of eight SPMT operators, supervisors and crew delivered the columns safely to the lifting site, while using 88 axles of 4th generation Scheuerle SPMTs with 4 PPUs, while a crew of 10 were responsible for the lift. Both teams were supported by site managers, safety officers, project admins, riggers and preventative maintenance crew in a truly coordinated effort.

As is always the case when working with a previous customer, AJHL was able to plan, advise and execute work on this project with a high level of client trust and excellent communications. Pre-existing personal relationships and mutual professional regard made for an environment of transparency and collaborative problem solving, allowing AJHL to complete the project on time, in complete safety and to the great satisfaction of the customer. 

The 1367Te Xylene Rerun Column... was heavier than 13 Blue Whales, the largest mammals on earth

STANDING PROUD

SAUDI ARABIA

AJHL was called to show its strength and precision on another heavy lifting task at Saudi Arabia's largest oil refinery and terminal project.



With two heavy distillation columns to be vertically installed, the client needed a contractor who not only had the necessary heavy lifting capabilities but who could also work within a complex project environment. Having delivered previous jobs for the client with complete success and high levels


of satisfaction, AJHL was the obvious choice. The first item in the package was an Atmospheric Distillation Column weighing 867Te which needed to be transported to the lift area and erected vertically. The second item, a 1174Te Vacuum Distillation Column, also required vertical installation but

came with the added challenge of lifting it onto its resting place on top of a 30m-high concrete foundation, which called for additional integrated engineering. The job was carried out with a Demag CC8800-1 Twin, a Demag CC8800, two Demag CC2800-1s, a Demag AC-160, two Hitachi Sumitomo SCX2500s, a Demag AC100, four forklifts and other support equipment. To transport the columns over the 200-250m distance from the equipment laydown to the lifting area, the team used 88 axle lines of Scheuerle SPMT and 4 PPUs.

TIME AND WEIGHT

The project's greatest challenges were posed by the weights involved and the very strict lifting schedule. The heaviest columns needed to be erected in various locations so that the areas could be handed over to other contractors to complete the plant construction. Although the duties of other contractors may fall outside of

our control, they can affect the timely execution of AJHL's responsibilities and can have a huge impact on the project's overall schedule. The risks of knock-on delays can be mitigated by our early and in-depth involvement in the planning stages, as was the case on this project. By ensuring that other contractors, and indeed the client, are fully aware of the necessary

site conditions pre and post-lift, a realistic and achievable schedule was established and the stage set for smooth operations. Yet again, close client relations meant that any changes, challenges, obstacles or risks could be quickly identified and managed, ensuring completion of the job above and beyond the customer's expectations. 



SKYLINE DOMINANCE

AL WAHDA ARCH, DOHA



Al Wahda Arch towers over the Doha skyline. Its sweeping twin curves dominate the horizon and are on their way to becoming an architectural icon. AJHL may be no stranger to high profile, grand scale, civic projects, but this US\$1.37 billion work of art offered the perfect opportunity for AJHL Qatar to showcase its prowess in heavy lifting

and transportation to the country's construction industry. The project features two arches: one reaching 147m in length and 100m in height, and a smaller one measuring 140m in length and 78m in height. AJHL's responsibilities lay with 54 of the segments, varying in weight from 58Te to 312Te, making up these arches.

This was an integrated 'factory to foundation' job for AJHL. The 54 segments were handled in 15 shipments, all involving outsized loads of varying weights, to be taken on a challenging multi-stage journey. Each shipment required land transportation from the fabrication point in Ras al Khaimah to Hamriya Freezone Port in Sharjah, UAE; sea transportation

from the UAE to Qatar; loadout of arch segments onto the landing craft in Qatar, transportation from Doha Port to Al Wahda, and finally, lifting into position on site.

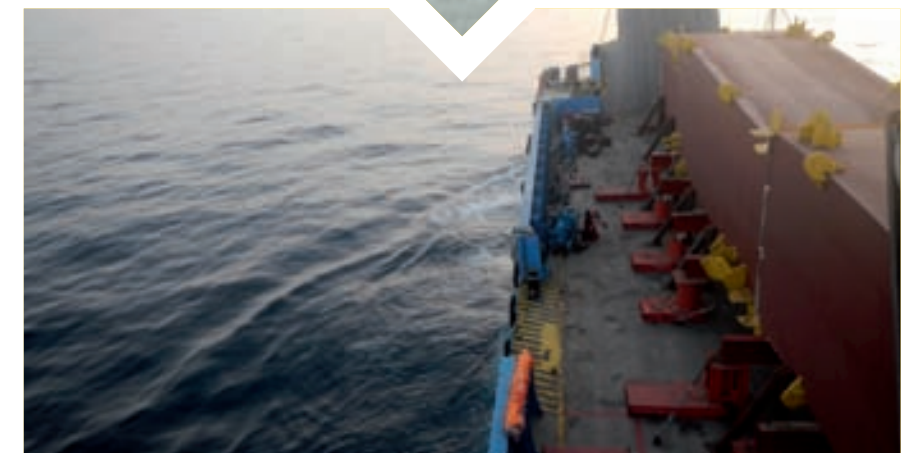
A LANDMARK PROJECT

Al Wahda Arch marks the gateway to Doha's West Bay business district. Road access from the port was via Doha's Corniche, one of the city's main thoroughfares. This added a significant extra layer of planning and permissions, including those relating to the removal of traffic lights to allow room for the outsized loads, and those required for night transportation to incur minimal traffic disruption. This was also the first time that any such transportation had been permitted through the city by the Doha authorities, so the involvement from all relevant government and security bodies was intricate and complex.

CHALLENGES

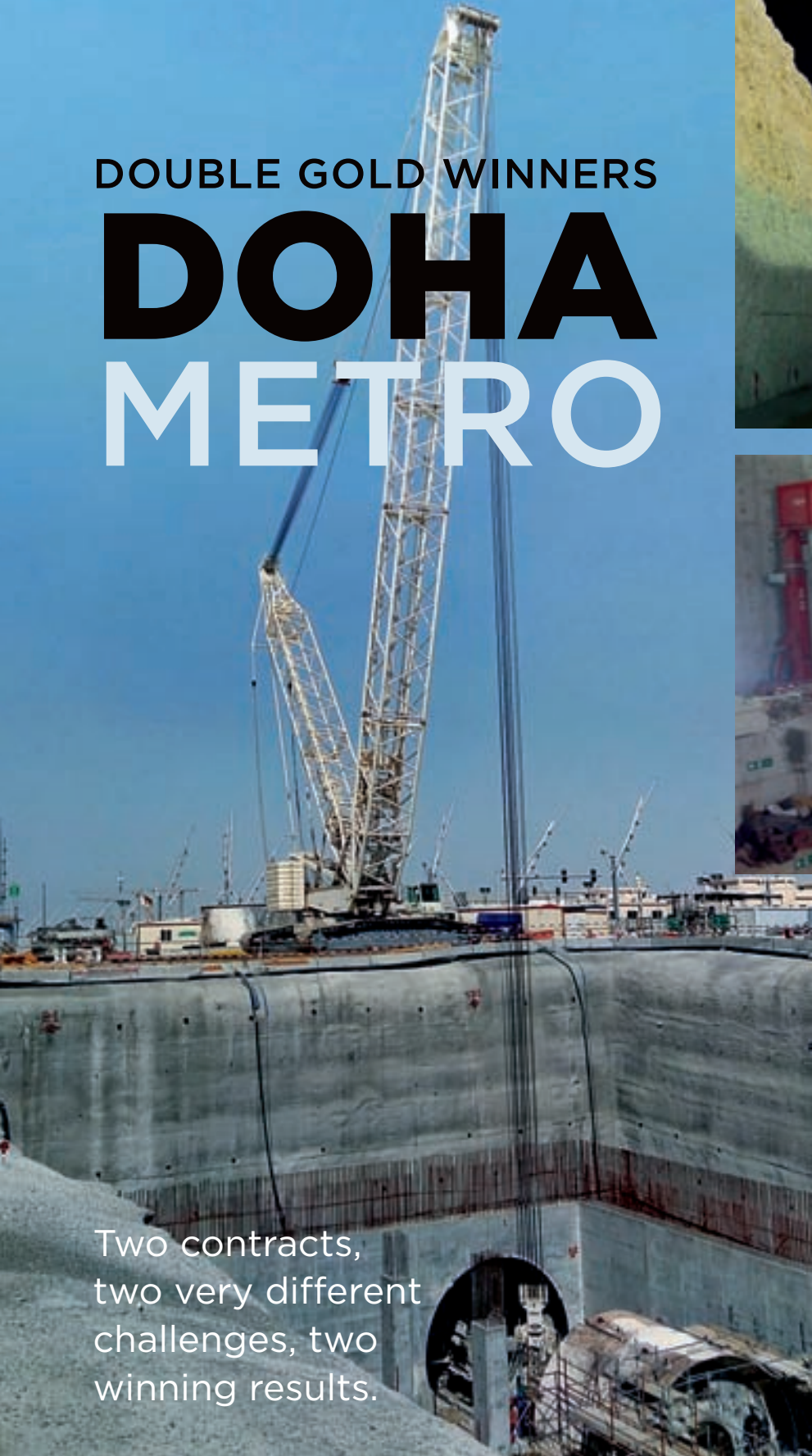
The challenges of the project were identified early in the planning stage. Each complexity of the project needed a clear concept to guide the team through the challenges. Route surveys were conducted, evaluated, presented to government departments and reworked until all parties were satisfied. The cargo combinations for each of the 15 shipments were iterated many times to meet the logistical challenges, carrier capacity and erection sequence. The actual execution of each step was presented to the client and government departments and, again, worked and reworked until mutual consent and approval was obtained.

Despite being beset with time pressures from bad weather and public holiday closures, the Qatar team, supported by the Abu Dhabi hub, pulled off a triumphant result with zero LTI, no injuries and no damage to assets or cargo. Every member of the team made contributions to show off AJHL's capabilities at their best, building on its considerable and growing reputation in the construction industry. 



DOUBLE GOLD WINNERS

DOHA METRO



Two contracts, two very different challenges, two winning results.

The Winning Formulae	
Underground station <ul style="list-style-type: none">• Four point 400Te spindle jack system• Wireless Intellift console• 24 hour rolling shifts• Team of seven	Shopping Mall station <ul style="list-style-type: none">• Demag CC2800 in SSL 48mtr configuration• Demag AC160 for assembly• Early morning shifts to avoid shoppers• Team of seven



AJHL was proud to win and execute two contracts on the construction of the Gold Line for Qatar’s flagship metro system, thanks to its impeccable track record on previous jobs for the client.

Both jobs involved the removal of two tunnel-boring machines (TBMs) from metro stops, but the station locations posed very different challenges for the team. The first removal was carried out inside an underground station, where the lack of crane access meant the TBM had to be dismantled, lifted in sections via spindle jack gantries set up on the station platform, and then lowered onto a locomotive — all within extremely confined subterranean spaces. The second, next to a sports stadium and in the carpark of a busy shopping mall, was carried out in full public view with the added challenge of members of the public attempting to take ‘selfies’ near the site.

The risks were unusual and significant in these two high-stake projects, but an ultra-detailed risk analysis, meticulous task planning and thorough safety briefings meant that both teams delivered a flawless win for AJHL. 🏆

TURKMENISTAN TRANSPORTATION

When AJHL were called upon to provide heavy transportation capabilities for a South Korean construction and engineering client’s project in an isolated part of Turkmenistan, the importance of effective remote reporting, and appointing highly proficient operatives came to the fore. AJHL’s Qatar hub provided equipment and personnel for the safe transportation of more than 50 pieces of industrial petrochemical equipment from the client laydown to the crane erection area. The items ranged in length from 12m to 65m, and in weight from 20Te to 110Te. For this job, AJHL deployed 12 axles of 4th

generation Scheuerle SPMTs with two power packs, and two highly trained, fully briefed operating staff for a nine-month period. Regular onsite briefings between the operatives and the client lead to collaborative improvements in safety and risk management, and to the safe and successful transportation of all items. 🏆





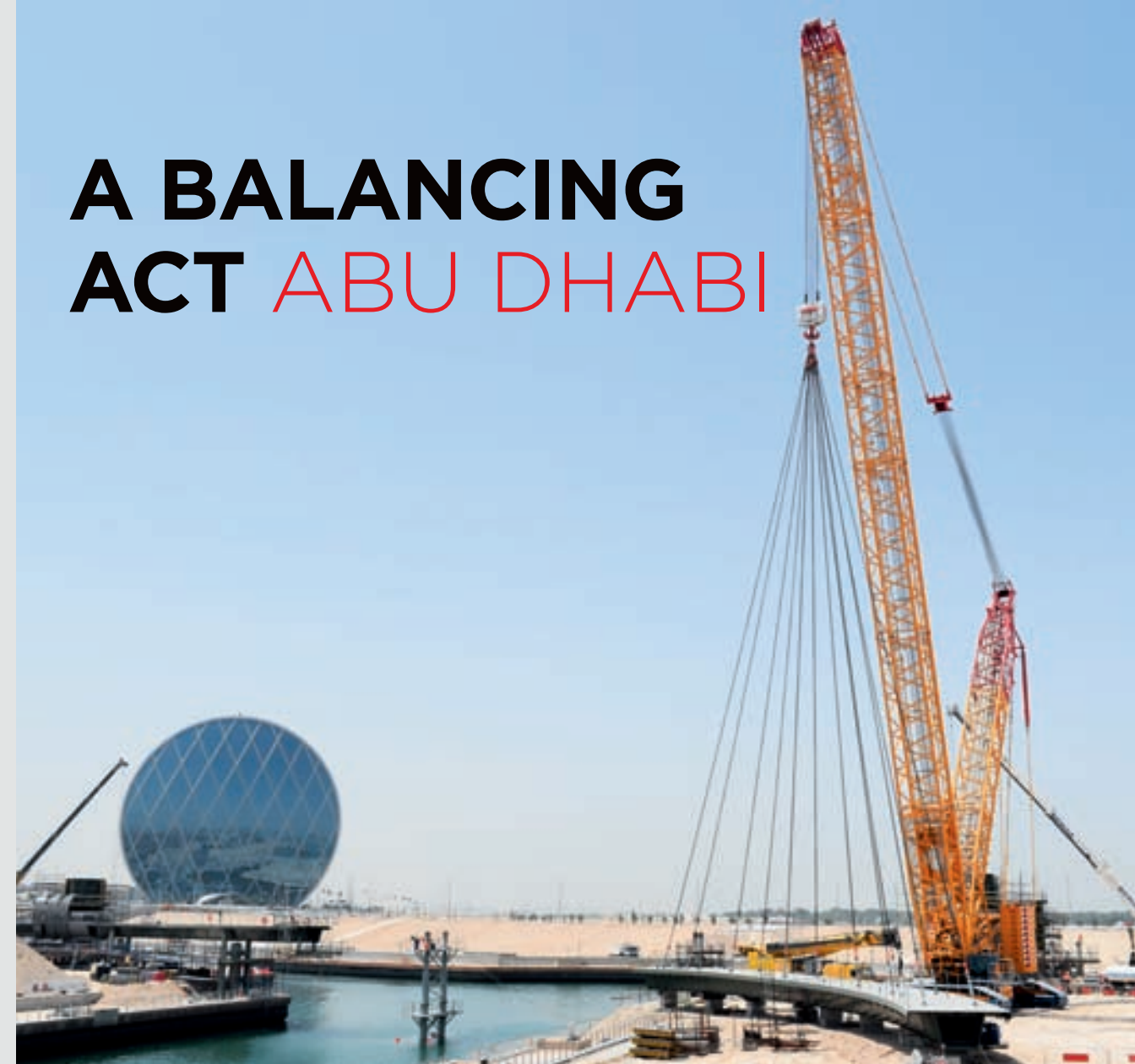
A last-minute contract award and turning tides provide the opportunity for AJHL to showcase a flawless loadout under extreme time pressure.

TIME-CRITICAL LOADOUT KSA

After a 12-month wait, a contract for an important client in KSA was finally confirmed just two months before execution. Solid plans were already in place from the bidding process, but working backwards from the most favourable up-coming weather and tidal conditions, left AJHL engineers a window of just nine days to complete the task. With a 3,400Te top side to transport to the jetty and load out onto a barge, followed by clearance of the loading site, the team had to call

upon their available resources to complete the project on time. The required 136 axles of self-propelled modular transporters (SPMTs), plus spare axles and power pack, were resourced from across our locations in Saudi Arabia, and supplemented by the Abu Dhabi hub. The team of 19 worked tirelessly to ensure complete synchronisation of all inputs so that no element of the job slipped and to complete the work with no LTI and to the great satisfaction of the client. 🇸🇦

A BALANCING ACT ABU DHABI



When the Abu Dhabi team was challenged to perform the setting of a bridge section at Al Raha Beach, in the UAE capital, some precise aerial acrobatics were required.

The section of a new pedestrian bridge, measuring 45.5m long by 5m wide and weighing 97Te, was destined to sit between two sets of temporary steel girders at a height of 10m. The greatest of the challenges lay in lifting the single piece in an arc while in complete horizontal alignment. Added to that, the lack of picking points meant that this was no mean feat.

Of course, the key to challenging lifts such as this is in the planning. Involving our experienced lift designers from the outset allowed for a thorough understanding of the intricacies and risks of the task, and ensured that the client and other contractors could take into account



the required lifting tackle arrangements, crane configuration and ground requirements to ensure the lift design could be met and the lift successfully achieved. The experienced Abu Dhabi lifting


team, 10 members in all, used a single 650Te Demag CC 3800-1 crawler crane to complete the lifts without incident and with complete client satisfaction. 🇸🇦

ENGINEERED HEAVY LOAD OUTS UAE

Meticulous planning and precise execution are the blueprint for the Abu Dhabi team's recent successes



AJHL's Abu Dhabi hub has been busy completing a number of very heavy load transportations and loadouts for customers located across the Emirates. The loads included oil rigs, pre-assembled racks, a sub station building, living quarters, a control room, upper turrets, and a lower turret and deck. All of the jobs used self-propelled modular transporters (SPMTs), ranging from 24 to 300 axles per item, for receiving, loadout and site transport operations. SPMTs are ideal for tackling even the most demanding loadouts due to their 360 degree manoeuvrability, per axle line payload of up to 40Te and ability to be set up in complex configurations while acting as a single unit.

The items ranged from 100Te to 9,000Te, but substantial weights were not the only challenge for the Abu Dhabi team. Limited timeframes and extremely tight clearances for the placement of the items meant that every detail of each job needed minute planning. This exceptional raft of projects was delivered on time and without Lost Time to Injury (LTI) thanks to close relationships established on previous jobs. Early involvement in the planning stages of all projects and close collaboration with the engineering and technical teams allowed for meticulous planning, detailed risk analysis and tight risk and quality control. 



PERFECT SYNCHRONIZATION


DUBAI CANAL, UAE

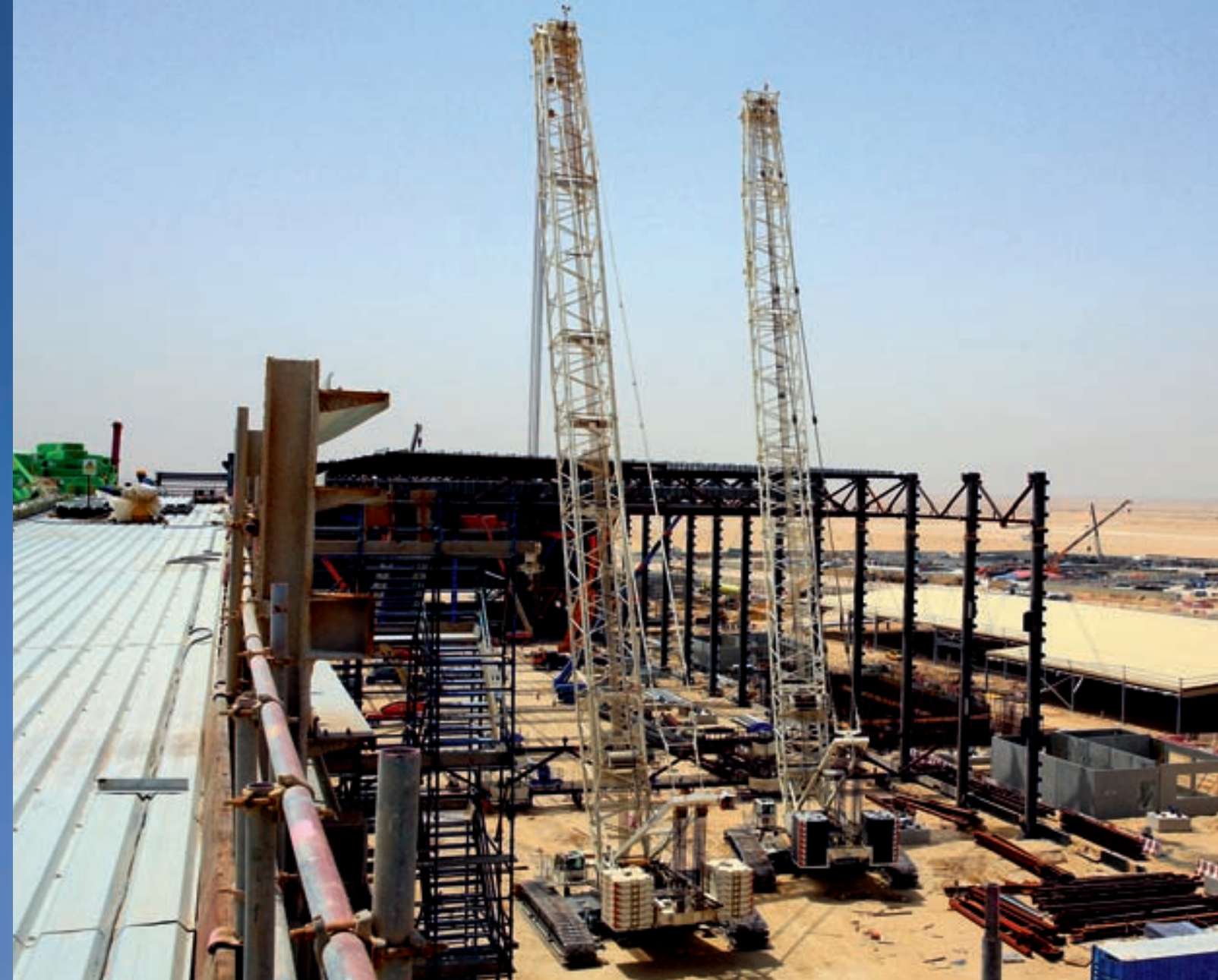
Twin cranes perform a tandem lift as impressive as the architectural focal piece they were installing.



Alongside our continuing work in the oil and gas industry, AJHL's involvement in another of the UAE's highest profile tourism developments reflects the company's growing reputation within the civil construction industry. As work continued on Dubai's Water Canal, AJHL was called on to lift the arc of one of its landmark feature bridges into position. The second of three unique and ambitiously designed canal crossings, the Arc Bridge stretches 205m across the canal and features an s-shaped curved

floor. The bridge's oval arch rises 50m and is supported by concrete pillars on both sides of the canal with hanging steel cables to lift the bridge floor. AJHL's job was to lift the 64m long, 5m wide, 224Te oval arch onto two sets of temporary steel girders at a height of 54m. The greatest challenge for the team lay in the need to pick up the arc at a specific angle and maintain this throughout the lift. The lack of picking points along the smooth sweeping curve augmented the challenge.

After detailed discussions and site visits, AJHL engineers convinced the client to move away from original plans to use the Demag CC2800-1 for all arch lifts in favour of two crawler cranes working in synchronisation for added stability. Careful safety calculations, including the dynamic amplification factor and weight contingency factors, were made with the utmost precision for this unique and precious load which was installed without a hitch and now stands proudly on the Dubai Water Canal. 




A WORLD IN MOTION

DUBAI PARKS & RESORTS



The UAE is now home to the region's largest integrated theme park destination: Dubai Parks and Resorts encompasses three theme parks, including the Hollywood movie inspired Motiongate, a water park, a resort hotel and a vast dining and entertainment district. AJHL had the privilege of working on this headline grabbing project and playing a role in bringing it to fruition. Working on a steel structure with a capacity of 53 million cubic feet, the Abu Dhabi team lifted approximately 5,400Te of steel in


the form of 77 main trusses, measuring up to 45m in height, and a variety of other structures and trusses. For this job, the team deployed two 600Te crawler cranes, in main boom configurations, to lift each truss and track into place, marking an important milestone for the development. Through diligent planning and expert execution, the trust established between the customer and the team has laid the groundwork for future collaborations, some of which have already come to fruition in the form of new contracts won. 

SKY HIGH SUCCESS IN ABU DHABI

AJHL performs a
stunningly impressive
heavy lift in front
of thousands

On Abu Dhabi's corniche, in the UAE capital's busiest and most congested district, AJHL was called in to lift a 12m, 12Te air-conditioning chiller unit onto the roof of its client's residential tower in plain view of the residents, tourists and motorists in this bustling, busy location.

With no traffic downtimes permitted, AJHL had to go ahead with the lift in broad daylight. Painstaking traffic control and access plans were needed to ensure the safety of the site and the general public, and for the lift to go ahead vast volumes of municipality consents were required. Assembly challenges of the Demag CC 2800-1 crane with a 180m boom posed by the


tight workspace and were overcome by using a 13m radius superlift system with the crane radius of 96m. This impressive feat was pulled off with complete success — with no injuries, no traffic incidents and no issues raised by the municipality — a flawless showpiece for AJHL's engineering capabilities. 



ENGINEERING UPWARDS DUBAI

A contract at an aluminium producer's power plant in Dubai offered the opportunity to showcase AJHL's engineering capabilities at their best. The job involved the removal and re-erection of the plant's 23 gas turbine (GT) tee joint structures during a scheduled plant shutdown. Each GT unit was dismantled, removed and re-installed in eight sections, with each section having different weights and size, but a total height of 45m. For the heavy lifting, the team used a Demag CC2500, Demag AC650, Demag AC250 and Demag AC100.

Based on engineering studies, and supported by several site surveys, AJHL deployed a Demag CC2500 crane with superlift wagon which offers optimum versatility and time-saving advantages. This is just one example of how frequent, onsite, face-to-face customer interactions with our engineers, rather than emails and paper trails, helped to build strong professional relationships with the client leading to improved outcomes. AJHL was involved from the project's inception and the engineering team were heavily involved in the planning

stage. Our ability to focus on the smallest operational details is critical to completing projects successfully. Our early involvement means that we can offer clients invaluable experience and expertise in all aspects of heavy lift and rigging planning, preparation and execution, enabling them to attain the safest possible solution and the most cost-effective safe handling of their equipment. The flawless project result reflects the combined efforts of our highly skilled team, together with the support and commitment of our customer. 



ON SOLID GROUND SINGAPORE

After winning an important contract on the construction of an 84-megawatt cogeneration facility supporting one of the world's largest oil refineries, the Singapore hub found itself in unfamiliar territory but rose to the occasion.

FLEXING THE MUSCLES

AJHL's scope of work was not limited to the usual (but still considerable) heavy lifting and transportation framework. Instead it was invited to undertake a raft of additional duties, allowing AJHL to flex its engineering, access and logistics management, and international transportation muscles to more broadly show its manifold capabilities on a global scale within the context of this project.

A COMPLEX UNDERTAKING

One of the initial challenges of the job was its multifaceted nature. Not only was AJHL Singapore required to ship components from five countries in three different continents (each of which came with all of the usual

intricacies of heavy lift loadouts and sea transportation), they were also responsible for the inland transport of all items to the project site, and for road preparation and access permissions for the entire inland portion. Finally, AJHL were also tasked with installation of the equipment and prior warehouse storage. But AJHL is no stranger to complex projects requiring minute planning: a systematic and methodical approach to the quality control of each task, its activities and risks, lay the groundwork for smooth and successful operations.

NIGHT MOVERS


For the Singapore hub, well versed in heavy lifts, sea transportation and loadouts, the road transportation from the jetty to the project site posed the greatest impediments. Night transportation was the obvious choice for moving large and sensitive modules along public roads, but this increased the safety precautions and permissions required. Obtaining clear road access



at midnight involved five departments of Singapore's Land Transport Authority, while getting temporary access permission at the refinery needed sign-off from six departments. For each load, items of road furniture including lamp posts, traffic lights and cameras required removal, as well as the pruning of a few trees, to ensure safe transportation and to prevent damage to public property, and these requirements differed from one module to another.

ALL-STAR TEAMWORK

An AJHL team, 40-strong, worked tirelessly on this project from the planning through to the execution. The client's rigorous safety requirements and regulations had to be adhered to throughout. This was particularly important as all duties were carried out within a live plant environment. These defined safety and health measures are not dissimilar to AJHL's own, but called for a high-performing team who could integrate our client's philosophy of

working without compromising safety or quality. Rising to the challenge, the team brought this intricate cross-continental project to completion with no incidents or accidents, and all modules delivered and installed safely and on schedule. An outstanding achievement for all involved. 

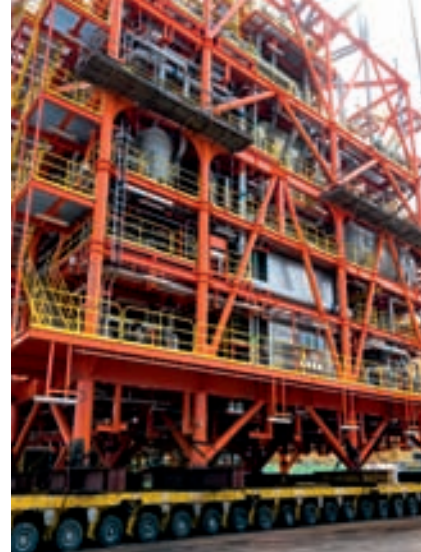
HEAVY DUTY GEAR

- Terex AC 700
- Terex AC 500
- Terex AC 250
- Terex AC 120
- ATF 160
- SPMT: 64 axle line and four PPU
- Cometto: 12 axle line
- Five tonne forklift
- 15 tonne forklift
- Two man lifts
- Lorry crane
- Four low bed and flat bed trailers
- Diesel truck
- Barge
- Tugboats

COVER STORY

TURNING UP THE HEAT ASIA OFFSHORE SERVICES (AOS)

A SUBSIDIARY OF AL JABER HEAVY LIFT GROUP




Among its latest projects, Asia Offshore Services (AOS) completes the fabrication of a 1500Te triple boiler — its largest and heaviest module to date.

After winning prestigious procurement and construction contracts with major international offshore energy customers, AOS' fabrication expertise was tested with projects of greater weights, scales and complexities than ever before.

INTEGRATED TRIPLE BOILER MODULE – A LANDMARK FABRICATION PROJECT BY AOS
AOS' biggest and heaviest project to date was the fabrication and transportation of an integrated triple boiler module for a sector leading

Malaysian energy facilities and services provider. The module comprised five levels of structural steelwork including gas uptake ducts, intake air ducts, exhaust stacks, large numbers of handrails, staircases and platforms on each level, piping, electrical works, insulation and heat tracing of three units of 150T/h boilers, three economizers and three CA fans, and more than 1,000 instruments. The challenges grew in complexity with scope changes, in some cases, doubling the client's requirements over the course of the project.

Additional health and safety considerations were posed by the scale of the module, working at heights and the involvement of a team of almost 200 professionals from multiple trades. The use of Primavera software was pivotal for the AOS project team to navigate the critical path control, allocate the best resources to meet milestones, track progress and analyse project performance against the plan. The team made significant timesavings through an innovative decision to split the module to allow two simultaneous builds, and risks were minimised and managed by thorough risk assessment and quality control documentation, a project safety coordination committee and daily toolbox meetings. Synergies were achieved during the erection stage of the project, when Asia Offshore deployed a 70T crawler crane and a 90T mobile crane with a jib from its parent company AJHL for more than six months duration. Since the final module weighed about 1,500Te, AJHL was also engaged to load out the module onto a barge by using three trains of SPMTs, each of 72 axle lines and three PPUs thereby saving client's time and money. That this continually evolving project was completed within the original 12-month schedule is testament to AOS' professionalism and ability to implement prompt, outside-the-box solutions as well as leveraging upon the synergies gained from in-house resources. 



BOILER MODULE FABRICATION

ANOTHER SUCCESSFUL FABRICATION
PROJECT BY AOS

Tight schedules and pinpoint collaboration with other suppliers again presented challenges for AOS when they were contracted for the fabrication of a highly sophisticated boiler module for a long-standing customer. Minimal E&I drawings from the client meant that AOS had to execute the challenging task of manually finding the routing of cable trays and supports in order to avoid clashes with piping and mechanical works. By engaging AJHL to execute the loadout utilizing their jetty based crane, a very detailed lifting plan could be evolved by their specialised engineering department to ensure that the module was perfectly levelled



during the barge loading. Key steps to success included exact engineering, client approval obtained before the start of lifting operations and AOS's trademark precision planning and quality control procedures during execution. 


DOUBLE-DECK E-HOUSE FABRICATION BY AOS



These projects represent a great multidisciplinary team effort across AOS, its subcontractors and its sister-company AJHL. All projects were completed safely, without incident or LTI and ultimately lead to satisfied clients.

In another fabrication project requiring complex planning and lifting, AOS was awarded a contract to assemble an E-house M40 module at the AJHL yard in Singapore for a world-leading FPSO customer. Compared to a single-deck E-house, the fabrication process of double-deck E-house is significantly more complex, as the entire installation sequence, from wall panels and switchboards to blasting and painting

must be painstakingly planned in advance. The fabrication involved more than 170 people, including safety teams, engineers, supervisors and skilled workers. When it came to delivery, AJHL were subcontracted for the inland transport, loadout to barge and sea transportation. The job was complicated by the module structure clashing with the proposed SPMT locations, requiring the module

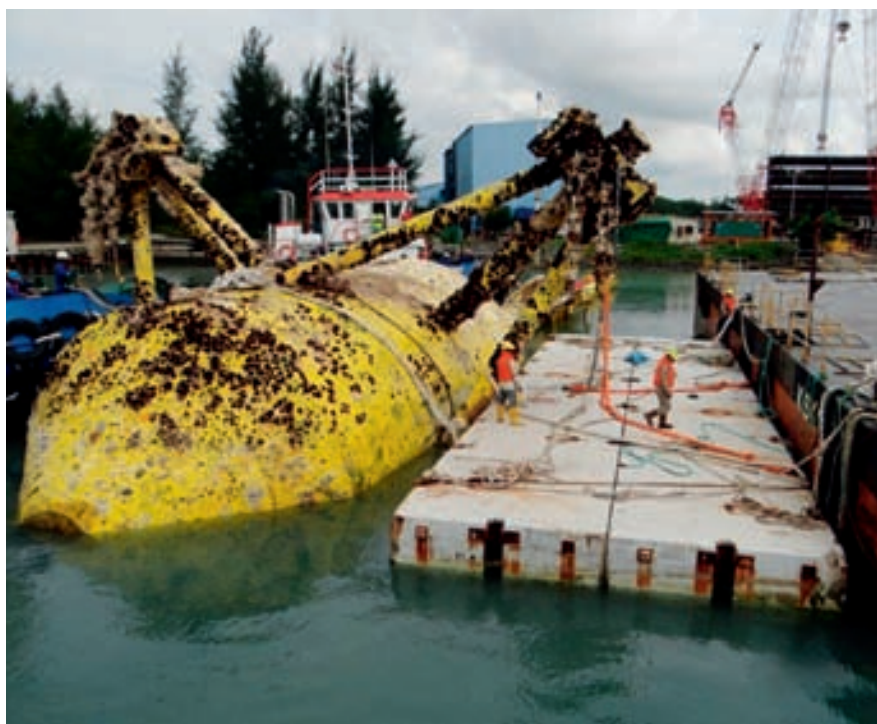
to be jacked up and supported by transport beams. The transportation required a 72 axle SPMT, three power packs, 12 ballast pumps, four winches, four transport crews and six barge crews facilitating the successful, on-time delivery of the module without LTI is another example of the benefits of integrated fabrication, lifting and transportation synergies available from AJHL group. 

IT'S ALL GONE SWIMMINGLY FOR AOS



from Australia to Singapore

Contracted for a rather usual task, AOS flexed its aquatic muscles to bring in a decommissioned navigation control buoy weighing 350Te from its location off Western Australia to its final resting place at the demolition contractor's jetty in Singapore, covering a total of 1,900 nautical miles.



Out in the East Spar field on the coast of Western Australia, an aging Navigation, Communication and Control (NCC) buoy was waiting to be removed for demolishing. Calling Lady Sandra (a tugboat) into action, AOS project managed the safe towing and delivery of this delicate cargo, along with recovered pipes and umbilical reel, to the disposal subcontractor's yard in Singapore. This job was out of the ordinary run of things, so AJHL's Singapore hub set to it with even greater planning than usual. Close coordination with the client and subcontractors was paramount throughout the

project. During the planning phase, the client's input was invaluable in forming a clear understanding of each of the stages involved in recovering the buoy from under the water, connecting the tow rigging to the buoy, towing and, finally, berthing the buoy at the appointed jetty. Each stage of the task needed detailed brainstorming discussions with the client and related parties to identify all of the activities and their associated hazards. A list of control measures was developed which included inspection of the vessel, offshore-related safety training for personnel and an onboard

risk register. A detailed emergency response plan was prepared, 24 hour support put in place, and daily toolbox talks onboard Lady Sandra briefed the crew about the tasks for the day and their potential risks, and reminded them of the procedure to be followed in case of emergency. Naturally, through this close collaboration, a strong client relationship was established, which continued even after the job completion. The project was completed to the utmost satisfaction of customer without any LTI, and the buoy was delivered to the demolition contractor safe and sound. 🇸🇬



TURN OF THE TIDE SINGAPORE

The Singapore hub has yet again demonstrated outstanding competency in managing projects in which the biggest obstacles to success lie completely beyond their control. With precise scheduling, minute planning and clinical execution the team successfully tackled the challenges of the tides, the seasons and complex loads.

INDONESIA LOADOUTS

In Batam, Indonesia, four separate loadouts to barges, a stinger section weighing 850Te, offshore module sections weighing 2,400Te and 797Te and a boiler module weighing 150Te plus transportation elements, were completed by AJHL, for various clients. Each loadout had its unique challenges, from irregular geometric shapes needing precise ballasting

to loading during unfavourable tides. The highest stakes were posed by the 2,400Te offshore module section to be delivered to an icebreaker vessel on a tight voyage schedule due to ice bound restrictions which, if missed, would incur an eight month project setback. Despite a week's delay on the client side, the Singapore team completed delivery around four days early without Lost Time Injury (LTI). 🇮🇩



BRUNEI TRANSPORTATION

Back on dry land in Brunei, the transportation of a slug catcher weighing 350Te needed AJHL's signature precision planning and coordination to avoid displacement of non-static spools on the steel frame. The heavy transportation job at an onshore gas processing plant was safely completed using 80 axles of SPMT and four powerpack units. Despite a live plant environment and congested working conditions, the contract was completed without incident. Generating significant customer satisfaction for international blue chip clients in the mechanical engineering industry, this project served as testament to AJHL's world-class heavy load transport planning and operations in the Far East. 🇲🇾

CROSSING NEW BRIDGES BRUNEI

A complex heavy lifting job in Brunei saw AJHL Singapore take a pivotal role in one of the country's key infrastructure projects.

AN AMBITIOUS CONNECTION

The bridge, crossing a 30km section of the Borneo Bay inlet of the South China Sea, will join the two parts of Brunei together for the first time. It is a project as grand in its scale and complexity, as it is in its ambition. AJHL's role in this project was to provide lift capabilities for the main gantry crane which would be used for lifting the bridge road sections. The gantry crane needed to be lifted into position on the structure and relocated as required throughout the bridge construction. The weather and tidal patterns meant that all activities had to be carefully timed to achieve optimum safe lifting conditions and to minimise risk.

A QUESTION OF BALANCE


AJHL provided a 280ft barge with a Demag CC2800-1 on its stern. The Demag CC2800-1 was used for lifting the gantry crane and was fixed in

position and set up in a heavy lift configuration at a 17m superlift radius with 300 tonne of ballast. The aim of this was to provide a solid lifting base rather than to float the superlift. A smaller assist crane, a Hitachi-Sumitomo SCX1200-2, was used for counterweight and anchor positioning. A delivery barge brought gantry crane sections out to the main barge, from where the CC2800-1 took care of the lifting. Due to the complex nature of the lifting process, AJHL developed and installed a new load moment indicator (LMI system) in the crane for marine use in accordance with the manufacturers recommendation and approval to ensure utmost safety of the lifting operations.

CLOSE QUARTERS

In such close proximity, it was inevitable that a very close working relationship would be formed with the client. This was all to the benefit



of the project which was executed with great success, reflecting the client's absolute trust in AJHL's abilities to plan lifts and receive the delivery of components on board the barge. 

MOTIVATED TEAMWORK AUSTRALIA

A recent job on one of the world's biggest oil and gas megaprojects required skilful execution across the entire AJHL Australia team. From the engineers who proposed appropriate equipment, and the project operations teams who smoothed the paperwork and permissions, to the team of five who executed the task, this job was a true team effort.

After site visits and agreed proposals, AJHL supplied the client with a Demag CC 2500-1 (500Te capacity crawler crane with luffing jib configuration) and a Hitachi SCX 2800 (275Te crawler crane with luffing jib configuration) equipped with ground load distribution mats. With challenges including Darwin's monsoon season and frequently changing high winds, and the added complication of high-risk lightening, the routine boom down procedure needed to be planned and executed with perfection. Upon safe and timely completion, the client was delighted with AJHL's commitment and service.





HAND AND HEART



COMMUNITY SPIRIT FUNDRAISING AND FUN

AJHL continues its longstanding support of special needs centre and takes part in with Qatar's National Sports Day.

Senior management from AJHL joined around 400 guests at The Future Centre for Special Needs' annual gala dinner at the British Embassy in Abu Dhabi. The prestigious guest list also included HE Sheikh Nahyan bin Mubarak Al Nahyan, Minister of Culture and Knowledge Development and honorary president of The Future Centre, the centre's founder and chairman Mohammed Abdul Jalil Al Fahim, and the UK Ambassador

Mr Philip Parham. The fundraising dinner featured an auction in which some of the centre's students' artwork was sold. AJHL is a proud and long-standing supporter of the centre which has been in operation since 2000 and aims to give young people with special needs the educational, physical, emotional and occupational support that they need to reach their potential and live fulfilling lives.



The cricket team from AJHL's Qatar hub stepped up to the wicket to take part in the National Sports Day. This annual event is marked by a public holiday and encourages Qatar's population to get active, be sociable and join community sports events across the country. 🇶🇦



Even after 30 years of loyal service and well-earned promotions, **Workshop Manager Ali Kannan still enjoys turning his hand to a problem...**

At the tender age of just 24 years, Ali Kannan came to work for Al Jaber Group as a mechanic in the Caterpillar (CAT) workshop. There he learned the core mechanical skills of his trade as he undertook routine preventative maintenance on the machinery, and learned fault diagnostics and repair. After joining Al Jaber Group in 1987, Ali moved over to the Al Jaber Heavy Lift Group in 1989 as a Mechanic Foreman. By 1995, his diligent application of effort and a natural aptitude for leadership, saw Ali become Workshop Supervisor. In this role he was responsible for the safety of the day-to-day workshop

activities, and for implementing and documenting workshop management systems to ensure that manufacturers recommendations are followed strictly. Now, as Workshop Manager for AJHL's Doha Hub, Ali is not just responsible for workshop operations, but it falls upon him to develop and implement new policies, systems and procedures to ensure that our equipment is comprehensively in optimum condition at all times, while keeping a tight control on costs. To meet this requirement, Ali has also developed solid relationships with the manufacturers of our fleet of equipment. Throughout his career, Ali has had a spanner and screwdriver in hand. A mechanic at heart, he has crucially passed on his trade, skills and experience to many junior mechanics who have thrived under his tutelage. Even now, he still likes to get his hands to the root of the problem whenever he has the chance. The equipment which AJHL uses every day in the field regularly passes through Ali's workshop. There, he and his team take thorough and systematic care to ensure that everything is returned in tip-top condition and is ready for safe and effective duty.

This behind-the-scenes work is every bit as important as our field operations, and is a cornerstone of AJHL's unparalleled safety record. We are delighted to have provided an opportunity for Ali to maximise his potential during his tenure with AJHL. We thank him heartily for his solid contributions to the continued success of Al Jaber Heavy Lift, and congratulate him on passing his 30 year milestone as part of the AJHL family. 🇶🇦

This behind-the-scenes work is every bit as important as our field operations, and is a cornerstone of AJHL's unparalleled safety record.

A TRULY REMARKABLE COMBINED ACHIEVEMENT OF
AJHL DOHA, ABU DHABI & SINGAPORE BUSINESS HUBS
10 MILLION MAN HOURS WITHOUT
LOST TIME INCIDENT (LTI)



DOHA



ABU DHABI



SINGAPORE



‘This momentous milestone is a significant marker for each and every person within the AJHL family who takes initiative and responsibility for their own duties, and who every day demonstrates an absolute commitment to safety and quality procedures. To all of you, we are incredibly grateful. Reaching this remarkable milestone would not have been possible without the uncompromising support of our employees, clients, management and shareholders, and their unfailing trust in AJHL. We look forward to working with you all again and clocking up many more million hours without LTI.’

Doha hub Managing Director, Mr Naïem Al Hajjar, presenting the ‘Employee of the Year’ award to our Workshop Supervisor Mr Hishm Hamza



‘AJHL has yet again raised the bar on its mantra ‘Safely Onwards and Upwards’ by achieving a staggering 10 Million Man Hours without Time Lost to Injury. This remarkable achievement stands testament to AJHL’s proactive and systematic approach to safe working practices, and the strong support from management to build employee confidence to adopt a ‘no compromise on safety’ attitude.’

Abu Dhabi hub Managing Director, Mr Marwan Farhat, presenting the ‘Employee of the Year’ award to our Crane Operator Mr Kashif Khalid



‘To mark the occasion, and show our appreciation of the whole AJHL team, celebrations were held across all hubs. In Doha, Abu Dhabi and Singapore the teams enjoyed a grand feast followed by demonstrations of traditional cultural performances from AJHL’s multinational employees, and an award ceremony. Appreciation certificates were awarded to individuals who had made outstanding contributions towards the 10 Million Man Hours achievement, reached long term service milestones with AJHL, and employees of the year. Special gifts were also handed to lucky winners in a prize draw.’

Singapore hub Managing Director, Mr Alan Dunn, presenting the ‘Employee of the Year’ award to our Crane Operator Mr Palanivelu Saravanan



‘Our strong belief is that this landmark achievement is based on company-wide combined efforts. Together we have been successful in implementing the highest standards of safety and quality procedures, whereby each and every team member is authorised to cease activities if they deem the situation unsafe. We have ensured that AJHL employees have lived and breathed this approach in each and every job, and we have relentlessly worked with our clients to achieve the highest safety standards. It is fitting that we should all share in celebrating this occasion across hubs.’

Mr Nissar Ahmed, Safety Manager - Abu Dhabi Hub

10 MILLION MAN HOURS - MASTERS OF CEREMONY



Saheed Oseni
Safety Officer Doha Hub



Biby Kuriyan
Safety Officer Abu Dhabi Hub



Dipen Kumar
Safety Officer Singapore Hub



Al Jaber Heavy Lift

Safely onwards and upwards



CORPORATE OFFICE

AL JABER HEAVY LIFT
Mussafah, UAE
Tel: + 971 2 555 4300
Fax: + 971 2 555 3370
Email: ajhl@aje.ae

DOHA HUB

**AL JABER HEAVY LIFT
& TRANSPORT WLL**
P.O. Box 40032
Doha, Qatar
Tel: + 974 4460 3899
Fax: + 974 4460 3897
Email: ajhl@ajhl.com.qa

ABU DHABI HUB

**AL JABER HEAVY LIFT
& TRANSPORT LLC**
P.O. Box 2175
Abu Dhabi, UAE
Tel: + 971 2 582 5454
Fax: + 971 2 582 5115
Email: ajhl@eim.ae

SINGAPORE HUB

**AL JABER HEAVY LIFT
& TRANSPORT PTE LTD**
21 Pandan Crescent
Singapore 128471
Tel: + 65 6775 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.