

PROJECT CARGO NEWS

PCN'S BI-MONTHLY NEWSLETTER

ISSUE 45 • JULY 2019

FORTUNE & CMX TRANSFERRING ENTIRE PLANT

SEE PAGE 18 FOR DETAILS

NEW MEMBERS THIS ISSUE

BAJ FREIGHT & LOGISTICS: GHANA

OIA GLOBAL LOGISTICA: BRAZIL

V SHIPPING: BENIN & GUINEA

PANDA LOGISTICS: TAIWAN



**PROJECT
CARGO
NETWORK**



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FROM THE PRESIDENT/C.E.O.



Welcome to another bumper edition of our Digital Newsletter, packed full of projects and news from our Members, as well as our regular "Insight" article where industry expert, Marco J. van Daal explains seemingly complex matters in simple terms on page 12.

Registrations for our 9th Annual Summit are coming in thick and fast now and we are so excited about the event! We appreciate your time and cost involved in attending and want to ensure that you gain as much value from our gatherings as possible. So, this year we are introducing several new features including 4 Infovideos, recorded especially by industry expert Marco J. van Daal (see page 3). We are also excitedly working on a new Event Web App, where you can arrange your meetings, upload your photo, message each other and add notes against each 121 meeting during the event.

Finally, after independent research, we have created a new framework of awards to better represent and support the achievements of our membership. The new Award Categories will replace the previous Regional, International and President Awards and full details including entry forms can be obtained from the PCN Head Office.

There will be a two-stage judging process consisting of an initial shortlisting by PCN management, followed by a final judging panel which includes award winning maritime, transport and logistics journalist Felicity Landon, internationally renowned heavy transport authority and author of *The Art of Heavy Transport*, Marco van Daal and highly experienced multipurpose and heavy lift market consultant, Susan Oatway.

The closing date for entries is Friday 4 October 2019 at 17:00 GMT and those shortlisted will be notified on 11 October. Winners will be announced during the Award Ceremony at the Grand Palm Resort in Gaborone on 18 November 2019 at 19:30. We have ensured that the entry process is as straightforward as possible, so why not have a go ... and start preparing your acceptance speech!

For now, please enjoy this issue...

RACHEL HUMPHREY FCILT
President/C.E.O



WWW.PROJECTCARGONETWORK.COM

PROJECT CARGO NETWORK

PROJECT CARGO NETWORK is an ISO 9001 (Quality Management) and ISO 14001 (Environmental Management) certified organisation established in August 2010 to provide heavy lift and project cargo specialists access to a trusted, worldwide network of agents who could handle their specialist shipments, whilst working professionally and safely under a strict Code of Conduct.

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See p18 for details.
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FIRST GLOBAL & CENTRAL OCEANS UK DELIVER OVERSIZED FURNACE

First Global Logistics (members in Egypt) were tasked with shipping an oversized furnace from the UK to Egypt as the 1st job for a new client. Business Development Manager, Mazen K. Sabry explains: "The key in securing this business was the past experience in similar shipments of our PCN partner in the UK, Central Oceans. Our client in Egypt accepted our technical proposal and we were on the top of the list!"

- **POL:** Southampton, UK
- **POD:** Alexandria, Egypt
- **Cargo:** Furnace
- **Dimensions:** 15.30 x 3.63 x 3.90m
- **Total Volume:** 215cbm
- **Weight:** 24tn

The scope of work included:

- Positioning of rare 50'MAFI trailer for stuffing
- Lashing on low-bed Trailer & arranging road permits
- Transport of furnace from supplier's door to Southampton Port
- Port operations including lashing & stuffing at the port
- Discharging at Alexandria Port in Egypt
- Import clearance & inland trucking to the receiver's door in Egypt

Mazen concludes: "It was an easy and smooth job when you cooperate with a professional partner like Central Oceans UK."

www.firstgloballogistics.com,
www.centraloceans.com

NEW FOR 2019! FOUR INFOVIDEO SESSIONS



We strive to provide a high quality and smoothly run Annual Summit each year, and always consider new ideas and improvements that we can make. We appreciate your time and cost involved in attending and want to ensure that you gain as much value from our gatherings as possible.

This year we are delighted to announce a new feature, at no extra cost to you! During our event, we will be showing 4 short infovideos, produced especially for PCN by industry expert Marco J. van Daal.

Infovideo 1

The first video is a thought-provoking case study of the installation of a huge floating granite sphere. The challenge was finding the best solution to lift a 15 ton round ball without touching the bottom. How would you do it? Don't miss this video session to see if you were right!

Infovideo 2

The second video reveals the most common mistake when executing a project, so obvious yet so underestimated that even NASA made the mistake resulting in a 5-year investigation. Watch this video and we will help save you time and money.

Infovideo 3

The third video is an exciting case study where tandem lift operators could not see each other and at a certain point, could not see the 30-ton silo cargo either – operating blind solely on the instructions given by radio. Not to be missed!

Infovideo 4

The fourth video covers the important topic of skidding and addresses the various systems, what they consist of, what to look out for and what the latest trends are.

Please feel free to download our updated online brochure, linked to the online story.

OLA GROUPS LOGISTICS ARRANGE SHIPPING OF 10 CONCRETE MIXER SETS

OLA Groups Logistics have arranged the shipping of 10 sets of concrete mixers on 10 x 40'FR which are photographed right at the OLA Groups warehouse.

Each set had dimensions of 9.5 x 2.7 x 4.0m with a weight of 14,000kgs and they were shipped from Nansha Port by FCL service. Sarah Chen at OLA Groups Logistics comments: "For this shipment, the customer required the ETA before the Ramadan holidays but also because of Ramadan, all carrier space was tight and it was very hard to find room for 10 x 40FR. We negotiated with several carriers and due to our teams' efforts and our good relationship, we successfully got the space to continue with the shipment."

www.olagroups.com





CTO HANDLE CRANE SHIPMENT TO CHINA

CTO do Brasil have recently handled the shipping of a crane to China in cooperation with GRUBER Logistics. The self-propelled foundation crane was transported from Betim in Minas Gerais to the Port of Santos in Brazil and shipped by Ro/Ro vessel to the Port of Xingang, China. Check out the photo of the cargo above.

Another successfully completed shipment reliably handled by CTO.

www.ctonet.com



DC LOGISTICS BRASIL HANDLE PROJECT CARGO SHIPMENT FROM ITALY

DC Logistics, members in Brazil since 2017, have handled another project from Genoa in Italy to Itajai, Brazil.

The cargo consisted of a wooden box weighing 47tns and measuring 8.10 x 3.00 x 3.40m as well as 1 x 20'FR and 1 x 40'HC. Due the weight of 47tns, the cargo needed to be loaded as breakbulk and as the containers needed to be shipped together and under the same BL, the whole shipment was loaded on a liner container vessel and the wooden box was loaded and lashed on board on a bed of flat racks.

At Itajai Port, the heavy wooden box was unloaded directly onto a truck to avoid cargo handling and reduce damage risks whilst the other 2 containers were unloaded at the consignee's site.

Another job professional handled by DC Logistics Brasil!

www.dcllogisticsbrasil.com

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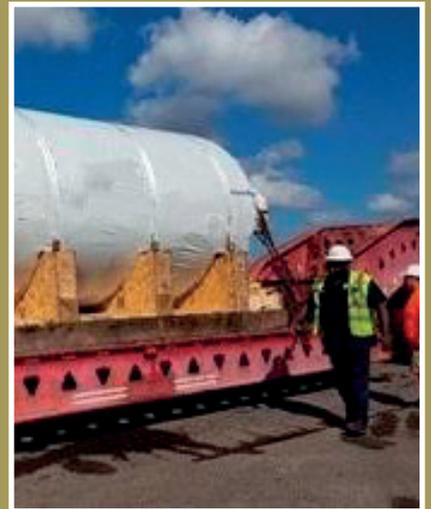
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CONVOY LOGISTICS PROVIDERS COLLABORATE WITH PCN MEMBERS FOR IMPORTANT PROJECT

Convoy Logistics Providers (CLP) have completed the delivery of the first of 3 major components for the new Central Storage Facility for Spent Nuclear Fuel (CSFSF) in Ukraine. This is a key project for the energy independence of Ukraine and CLP partnered with fellow PCN member in the country, Farcont Project to provide and support the need for destination services.

- **Cargo:** Spent Fuel Transfer Cask
- **Dimensions:** 6.28 x 2.74 x 3.05m
- **Weight:** 89,142kg
- **19-axle Trailer Transport:** 68.58m
- **Total Weight:** 109,412kg

"CLP was awarded this 3-year project on the heels of the near completion of a previous project, the Interim Spent Fuel storage facility (ISF-2) which will house more than 20,000 spent fuel assemblies discharged from the Chernobyl nuclear power plant. For this project, CLP have been researching and implementing the logistics solutions for the transport of storage cask assemblies and ancillaries from the USA to Ukraine with the support of Farcont Project since 2015 which is expected to be completed in the first half of 2019 with more to come."

"After the extensive research and planning, CLP arranged the transport of this first transfer cask from Eastern USA to a southern USEC port to meet a vessel during the turbulent hurricane season experienced in September and October 2018. Traveling over 700mi from the origin factory, the super-load had to avoid severe weather at times and also had to wait out flooded highways and for streets to be cleared. The origin inland delivery faced many delays due to multiple hurricanes battering the US Gulf and East-Coast and the intended vessel was diverted so an alternative vessel had to be sourced. Finally, the cargo was loaded and CLP project managers were in attendance at both the origin facility and port of loading, working closely with the shipper, port and vessel owner to ensure all aspects of the lifting, loading and lashing were accomplished to meet the vessel owner's and clients' requirements and specifications."

"At the same time, CLP had already been in the process of delivering multiple smaller casks and ancillary equipment from the USA for the same project with support of Farcont Project for destination services. These also faced delays due to the lengthy permitting process. It is also pertinent to note that fellow PCN member in Germany, GRUBER Logistics (PAO) has been assisting with local representation at the port of arrival, arranging terminal handling and marine survey reports for the discharge operations at Bremerhaven. These smaller shipments of equipment had to be installed with the cask for testing prior to the final installation and arrival of the larger cargo (Spent Fuel Transfer Cask). Despite these challenges, CLP and Farcont Project overcame the tight transport schedule and delivered the Transfer Cask direct from the vessel at the port of Chornomorsk in Ukraine, together with the other relevant cargo, in time for the scheduled testing and press conferences at site."

www.convoylogistics.ca, www.farcont-project.com.ua, www.gruber-logistics.com

STAR SHIPPING IN PAKISTAN FEATURED IN HLPFI

The May/June edition of HLPFI Magazine features our member in Pakistan, Star Shipping. Star Shipping has carried out countless challenging projects and offer a wide range of project cargo services. The HLPFI article covers the launch of a new business division by Star Shipping offering land route surveys in Pakistan, which is a gateway to booming markets in the Subcontinent, Middle East and Central Asia. In all urban, rural, hilly and remote areas of Pakistan, Star Shipping can provide any required geometric surveys of key areas along the delivery routes.

Please visit the online story to download a PDF of the article.

www.starship.com.pk, www.heavyliftphi.com



REALCO HANDLE PROJECT CARGO FROM QINGDAO TO KAOHSIUNG



Members in Taiwan, Realco Logistics are pleased to share these photos of a recent project handled by their expert team.

The cargo was handled by Realco from Qingdao in China to Kaohsiung in Taiwan where it will be shipped to various destinations including the USA, Canada and the Middle East. Realco also provided a stevedoring buffer facility.



General Manager at Realco, Caven Chen comments: "I would like to take this opportunity to alert PCN members to make research on the market to develop more business. Please contact me with any enquiries on cavenchen@realcolog.com."

www.realcolog.com



GULF AGENCY SERVICES HANDLE DIFFICULT LOADING IN DJIBOUTI

Gulf Agency Services (members in Djibouti) are pleased to share some recent project cargo loading activities. The cargo was a multi-functional ship with dimensions of 30.0 x 12.6 x 9.5m as photographed above.

General Manager at Gulf Agency Services, Capt. Raja Farooq comments: "The ship started its voyage at the Port of Tadjourah, a distance of 200km from Djibouti Port and we planned to load it from the sea-side with ship cranes. However, when the cargo arrived under hook it was found that the weight distribution was unsafe to lift from the hooks provided for the purpose. It was also determined that initial weight submitted was not correct and the actual weight was 480mnts.

To bring the cargo within the SWL limits of the ship cranes, the shippers were asked to remove accessories to reduce the weight by 40mnts. A crane boom was also cropped off and removed to bring the weight down. Once this was completed, diving operations began to pass the slings to lift the ship using a belly-sling technique with the two ship cranes used in tendon."

The cargo was finally loaded safely and the vessel sailed from Djibouti. Another successful job expertly handled by Gulf Agency Services – finding solutions to unique challenges.

www.gulfagency.com



A PROFESSIONAL, ENTHUSIASTIC & INNOVATIVE TEAM AT PANDA LOGISTICS

We are pleased to report Panda Logistics Co. Ltd. are new members in Taiwan. They are headquartered in Taipei with additional offices in Taichung and Kaohsiung.

Joann Ku at the company comments: "Panda Logistics are a leading logistics service provider, founded in 1989. We boast a professional, enthusiastic and innovative team, providing comprehensive project cargo services and analysing, designing and integrating customised solutions for our clients and partners."

Panda Logistics recently handled a bulk carrier charter project involving CNC stamping machine equipment shipped from Taiwan to China. The cargo consisted of 49 pieces at a total of 844.7tns (1,339.76frtns) including 6 oversized pieces weighing 88tns, 80tns, 75tns, 56.3tns, 50tns and 40tns.

After careful planning and many meetings with the involved parties to coordinate the project, Panda Logistics successfully managed the trucking, customs processes, documentation, lifting, loading & unloading, charter of the 7,600tn bulk carrier and discharge to Zhuzhou, Hunan.

Shown above are photos of the loading in Taiwan and unloading in China, with more linked to the online story.

www.pandalog.com



C.H. ROBINSON DELIVER WIND FARM UPGRADE IN DIFFICULT CONDITIONS



C.H. Robinson Project Logistics have recently shown their wind specialist expertise by delivering components for wind farm upgrade in Iowa.

The components for the upgrade included 66 sets of blades, 13 drive trains, 13 hubs, 2 generator frame loads and 3 oil totes. Altogether, the components weighed 2,445mnts and made up a volume of 83,186cbm.

“The origin locations of the components were at a distance of 514mi and 610mi from the wind farm and the blades alone required 18 trailers with each one needing a tractor and driver and, as required by the Department of Transportation, a private escort for each trip.

Onsite project managers closely coordinated the sequence and volume of the equipment delivery, working with all parties from the loading yard as well as with the engineering, procurement, and construction (EPC) teams at the destination. The sheer volume of the components meant that transporting everything required 226 truckloads and took over two months to deliver.

During the delivery window, one of the primary challenges was the weather. In Iowa, snow, ice, high winds, and extreme cold are all common during the early months of the year. These conditions made it unpleasant to work outside and often caused problems with the equipment that was used to transport the cargo to and around the site.”

Through careful planning and experience, C.H. Robinson’s project logistics experts overcame the challenges and delivered the client’s cargo to the site safely and efficiently.

C.H. ROBINSON ENSURES SMOOTH TRANSPORTATION OF HUGE TANKS

When tasked with transporting massive chemical tanks from Mexico, C.H. Robinson’s resourceful project logistics team used careful coordination and efficient planning to help ensure a smooth and straightforward move. Including land and ocean transportation, C.H. Robinson’s full suite of global logistics and technology solutions served all the customer’s transportation requirements.

“Our experts were recently awarded a contract to move three large, horizontal CO2 storage tanks from Huehuetoca in Mexico to Freeport in Texas. With each tank measuring 40.32 x 3.86 x 4.34m and weighing 75,000kg, the overland and overseas logistics required to move the over-dimensional cargo would be no small task.

Understanding the capacities and capabilities of what transportation modes were available, the project logistics team formulated a clear plan for a safe and orderly move. First, to reduce their height from 4.34m to 3.75m for an easier inland transport from Huehuetoca to Veracruz’s port, the tanks were rotated 90 degrees before being loaded onto extendible trailers. Once at the port, a crane and spreader bars rotated the tanks again, loading them upright onto stands.

But here a challenge emerged; the tanks

had valves protruding at the base, higher than the height of the saddles. So, C.H. Robinson’s team worked proactively with the master of the vessel to plan for loading the tanks on 6’ x 6” dunnage that would keep the valves undamaged. With this equipment in place, the tanks were then carefully loaded on deck for the voyage from Veracruz to the Port of Houston, Texas. On arrival in Houston, the tanks were carefully offloaded onto heavy-duty 16-line Goldhofer THP trailers and trucked a short way to their final destination in Freeport.”

The client was pleased with the safe and timely delivery of the cargo and C.H. Robinson Project Logistics once again completed another complex transportation challenge with collaborative end-to-end solutions that helped make the experience easy for everyone involved.

www.chrprojectlogistics.com



C.H. ROBINSON MOVE VERY LARGE NATURAL GAS EQUIPMENT



When a customer of C.H. Robinson Project Logistics needed to move some very large natural gas equipment with some tricky requirements, their nimble team rose to the challenge to provide detailed planning and an outstanding service, helping guarantee a safe and unhampered relocation.

"A customer contracted with C.H. Robinson to transport liquefied natural gas (LNG) equipment from various international and domestic locations to Texas. Needed for a plant upgrade, the equipment included two vaporizers, one storage tank, two pump skids and two valve modules along with various other equipment.

Altogether, the volume of the shipments was 1,200cbm with a total weight of 208mnts. The largest piece of equipment

measured 23.8 x 3.7 x 3.8m and the heaviest piece weighed an astonishing 83,915kg. Despite the truly impressive size of the equipment, C.H. Robinson's project logistics experts were able to collaborate with the customer to create a transparent moving strategy that drew on comprehensive multimodal transportation resources for oversize freight.

One of the more difficult pieces to transport was an LN2 vaporizer from Massachusetts. Because this was a sensitive piece of industrial equipment, moving it involved clearing several regulatory hurdles. Here, C.H. Robinson worked with several local agencies and authorities to obtain permits and secure police escorts through many different states, paving the way for a smooth, unimpeded 12-day trip.

Another challenge was arranging the sequential transportation of each unit from the Port of Houston to the final destination site in Texas City. As per the requirements, the site had to receive the equipment in a particular order with each piece arriving on specific days and even at specific times. Thanks to C.H. Robinson's careful organization and



coordination among shippers, carriers and receivers, the equipment was delivered without any issues or delays.

Our customer's past experience with the project logistics specialists at C.H. Robinson gave them the confidence that our experts could help manage their freight, resolve problems in real time and provide the timely results that this special move required. The customer was not disappointed – all cargo arrived in good condition and in the proper order, ready to get to work.

With another project completed, C.H. Robinson looks forward to continuing to provide this valued customer with all the project logistics solutions they need through our full suite of global services."

www.chrprojectlogistics.com



C.H. ROBINSON ARRANGE TRANSPORT OF LARGE TANK WITH ASSISTANCE FROM ACTANIS PROJECT CARGO

C.H. Robinson's project logistics team recently arranged the transport of a large horizontal cryogenic steel tank measuring 19.28 x 4.57 x 4.95m.

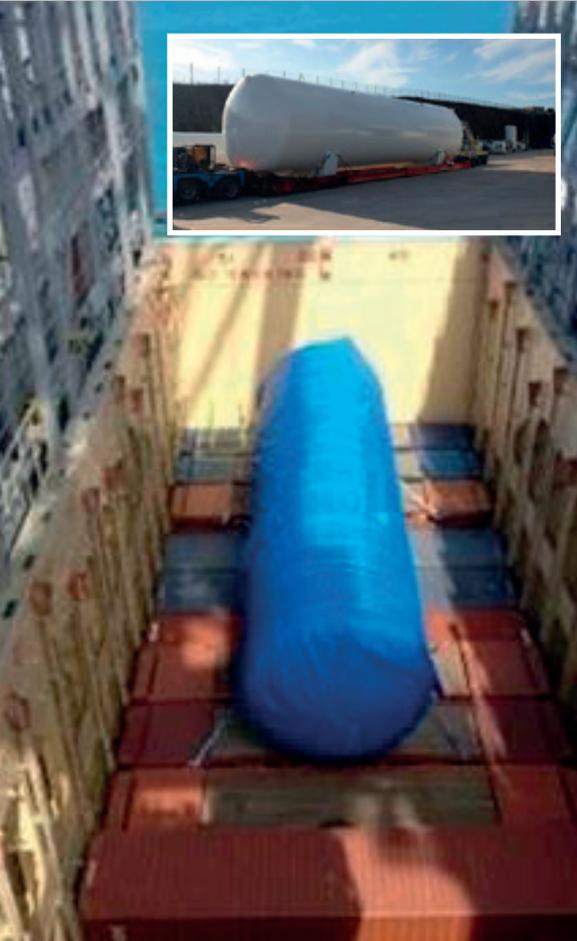
The shipper needed to move the cryogenic tank from the factory in Turkey to the Port of Gemlik and then on to the customer in Buenos Aires, Argentina. Fellow PCN member in Turkey, Actanis Project Cargo handled the land transportation from the factory in Maltepe to the Port of Gemlik where C.H. Robinson took over, overseeing the loading onto the ocean vessel and trucking to site on arrival at Buenos Aires.

The C.H. Robinson experts considered various modal options and routes and ultimately decided to move the breakbulk-sized tank on a container vessel that offered the most direct routing available. As a market leader in major global trade lanes, C.H. Robinson was able to secure the capacity needed for the cryogenic tank and the loading and securing onto the vessel required careful coordination from local experts.

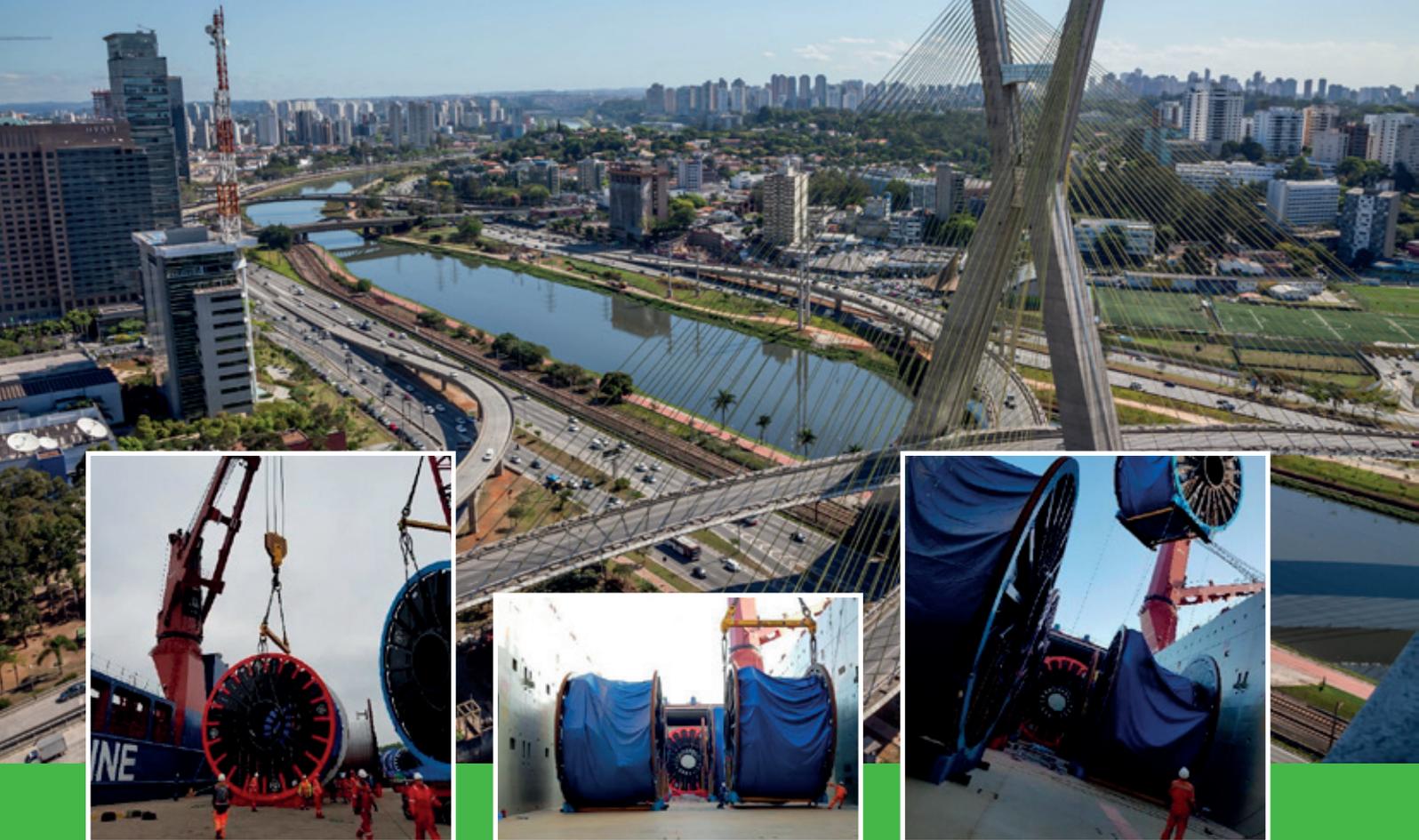
Using multiple slings, the tank was lifted by shore cranes and transferred directly from a low-bed truck to the ship's hold. Once in place, the crew carefully lashed and wedged the tank in place using dunnage to secure and steady it throughout the ocean voyage and it was also fully tarped to keep it dry and protected during the passage. All loading operations were conducted under the supervision of an appointed marine warranty surveyor. On arrival, C.H. Robinson had project logistics experts on the scene to oversee the unloading process.

Thanks to the vigilant planning of C.H. Robinson, the handoff to the consignee went without a hitch, despite the oversized dimensions of the huge tank.

www.chrprojectlogistics.com, www.actanis.com



WELCOMING OIA GLOBAL LOGISTICA AS NEW MEMBERS IN BRAZIL



We are pleased to welcome OIA Global Logística Ltda as new members in Brazil. They come recommended by current members with headquarters in Sao Paulo and a branch in Porto Alegre. Dedicated to a wide range of project logistics services and industries, the company have a top focus on renewable energy and the wind, hydro and solar markets. Alexandre Destro (Country Manager) says: "We are pleased to expand our network of reliable project partners through PCN. There is a big market in Brazil for projects especially in the renewable energy market."

A client of OIA, a global manufacturer of specialised oilfield equipment and services who supplies some of the tallest flexible reel pipes in the world, recently asked them to deliver these huge reels at the Brazilian port of Vitória. The full reel charter shipments for a top customer company were from Newcastle in the UK to Vitória in Brazil. A total of 11 massive reels (each up to 250mtns as photographed) were shipped and showed the expertise of OIA as it involved a lot of behind-the-scenes studies on the technical aspects of the cargo, the sea-fastening and safety as well as close collaborations to ensure the documentation was accurate and compliant. A great result for OIA which builds upon their relationship with the customer.

Alexandre explains: "One of the challenges faced was that the reels cannot be unloaded at Victoria Port terminal due to specific customs clearance operations and requirements, so as per the customer's request, the solution was to discharge the units using a floating crane. The customer engaged OIA to support with the ocean charter that could lift the reels with a single hook lift. Considering that each reel has an average weight of 250mtns, there was only one ship available in the market that could meet these requirements on the dates specified. Upon selection, it was critical that detailed plans were made to ensure that the lifting, stowage, lashing and securing were properly done to ensure that the reels travelled safely to their final destination."

OIA's solutions included:

- Transportation Management
- Project Cargo
- Technical Planning
- Specialised Logistics Equipment
- Customs & Documentation Support

The very long timeline of this project required the customer to select a logistics partner that could participate in the project from the first minute of planning until completion. This required a great deal of dedication as well as attention to detail and knowledge of the customer's internal organization. The OIA team provided the consistency and continuity needed for a project of this size. The strong partnership with the customer enabled OIA to concentrate on the other technical challenges of this big lift cargo.



MGL & ACTITRANS HANDLE SHIPMENT FROM FRANCE TO EGYPT

MGL Cargo Services in Egypt have recently handled a shipment with fellow PCN members in France, Actitrans. The cargo consisted of 2 cases which were collected from Cernay in France and shipped on EXW basis on a 40' flat-rack to Alexandria in Egypt. The 2 cases both had dimensions of 2.96 x 3.04 x 3.44m and weighed 4,720kg and 4,670kgs. Lashing was also included in the scope of work.

Managing Director of MGL Cargo Services, Wassim Magdy comments: "The shipment was for one of our VIP clients and thanks to our friends at Actitrans and in particular, Hugues Mayeur (Actitrans Director), we had a very smooth and professional execution with a happy client."

www.mglcargo.com, www.actitrans.fr

CUCHI HANDLE TRANSPORT OF WASTE HEAT RECOVERY UNIT

Cuchi Shipping (members in Vietnam) are pleased to share a recent project transporting a waste heat recovery unit.

The cargo consisted of a total of 32 pieces at 760cbm / 105tns and was transported from the factory in Thailand to the site in Vung Tàu, Vietnam. The scope of work handled by Cuchi Shipping included:

- Export Customs Clearance
- Loading to Trucks
- Trucking to Laem Chabang Port in Thailand
- Chartering of Vessel
- Loading on the Vessel
- Discharge at Vung Tàu Port in Vietnam
- Trucking to the Site

www.cuchishipping.com.vn



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MARCO J. VAN DAAL

THE "INSIGHT" ARTICLES ARE ALL GEARED TOWARDS EXPLAINING SEEMINGLY COMPLEX MATTERS IN SIMPLE TERMS.

Marco J. van Daal has been in the heavy lift & transport industry since 1993 starting with Mammoet Transport from the Netherlands and later with Fagioli PSC from Italy, both esteemed companies and leading authorities in the industry. His 20 year plus experience extends to 5 continents and over 55 countries and has resulted in a best selling book "The Art of Heavy Transport" which is available at www.the-works-int.com.

Marco has a real passion for sharing knowledge and experience, the prime reason for his frequently held seminars all over the world. He currently resides in Aruba, Dutch Caribbean, with his wife and two daughters.



FIGURE 3

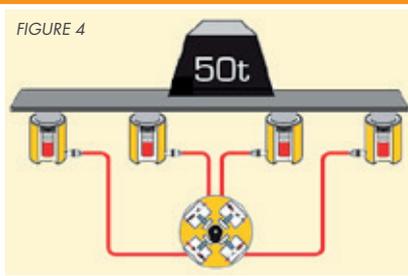


FIGURE 4

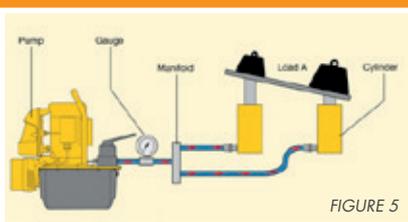


FIGURE 5

AND THEN THERE WAS PRESSURE...

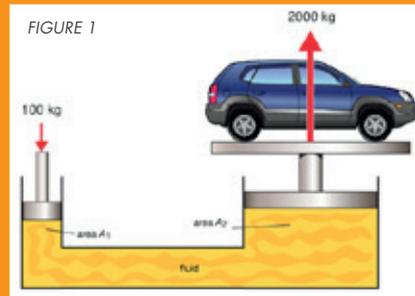


FIGURE 1

The last article was dedicated to the French mathematician and physicist Blaise Pascal and how he, more or less accidentally, discovered the hydraulic jacking principles.

By the use of Mechanical Advantage (force amplification achieved by a tool) you can lift a huge weight by only applying a small force. See figure 1.

However, this comes at a cost, as nothing is for free, not even in nature. Let's assume once again that Area A_2 is 200 cm^2 and Area A_1 is 10 cm^2 . As shown in the previous article, the Mechanical Advantage (or M.A.) is:

$$[A_2/A_1] = \text{M.A.} = [200/10] = 20.$$

Now let's assume that the small piston is pushed down by $D_1 = 10 \text{ cm}$. How much would the big piston raise. To determine this we use the M.A. again but this time it is more of a Mechanical Disadvantage.

$$D_2 = D_1 / \text{M.A.} = [10/20] = 0.5 \text{ cm}.$$

In words, when the small piston is pushed down by 10 cm, the big piston raised by 0.5 cm. That is movement that is a factor 20 smaller, hence the term Mechanical Disadvantage.

The jacking system as shown in figure 1, can multiply force by a factor 20 but divides distance by the same factor 20.

The simplest application where we find this in every day life is in a car jack, see figure 2. Once the car jack is placed under the car, you can lift the car (to change a tire) by just man power. This is the Mechanical Advantage at work. But surely you have noticed that you need to "crank" the bar many many times for the car to lift just a little bit. Every stroke of the bar is diminished by a Mechanical Disadvantage factor.

A principle discovered by Blaise Pascal in the 1600's.

Figure 3 shows the jacking operation of a 200 ton engine, you can see the jacks positioned under each of the corners of the engine. Hydraulic hoses run from the jacks to the power pack, the yellow box. This box contains a pump unit, along with a power source and an array of hydraulic valves. The important part here is the pump inside the power pack.

Figure 4 shows a simplification of the pump inside the power pack. The pump in question is a so-called radial piston pump. This pump is driven by a rotating power source such as a (relatively small) diesel engine. This diesel engine rotates the shaft of the pump which looks a bit like a crank shaft, as it rotates it pumps small amount of oil into each of the four small cylinders. This all takes place in the circle in the middle of figure 4.

The 4 small cylinders can be recognized easily.

As the area of the small piston (inside the pump) is much smaller than the area of the piston of the actual jacks (under the 50 ton load), the Mechanical Advantage takes care of the force multiplication.

Due to the Mechanical Disadvantage each of the jacks only extends a small distance for every bit of oil that is pumped into each of the small cylinders. This is the reason that the pump has to run quite a while to fully extend each of the jacks. The running of the pump, the crank shaft looking part, has the same function as the multiple strokes on a car jack. The only difference is that a car jack is operated manually, the pump is driven by a power source.

A few words about jacking pumps

A radial piston pump as shown in figure 4 is a fail safe way of jacking up a load. Each of the jacks under the load is raised (or lowered) by an individual piston inside the pump. This means that if the 50 ton load would be offset (either to the left or to the right) it would still raise perfectly level. This is because an equal amount of oil is pumped into each of the cylinders every time the shaft turns, an offset Center of Gravity has no influence on this.

Be aware that there are many jacking systems and power packs out there that don't operate in this manner. Many of them consist of a pump with a single output line. This output line is then divided by a manifold into multiple lines running to multiple hydraulic jacks. As oil has the tendency to follow the way of least resistance, the lighter side of a load will raise first which will result in a tilted load. A jacking operation with an offset CoG becomes than much more cumbersome than when using a radial piston pump. Figure 5 shows a simplification of such a system in operation with unequal loads (or an offset CoG) resulting tilted load.



FIGURE 2

EXG HANDLE BREAKBULK SHIPMENT OF 850 LARGE PIPES



Express Global Logistics (EXG) in India have executed the breakbulk shipment of 850 large double-walled steel pipes from Gujarat to France.

The shipment consisted of 425 polyethylene-coated steel pipes, each one weighing 1.8mt and measuring 12m long with a 25in diameter, and 425 bare steel pipes, each one weighing 1.3mt also at 12m long with a 18in diameter. The total weight of the shipment was 1,320mt with a volume of 3,121m³.

EXG's scope of work included:

- Inland haulage of the 850 pipes in India from Dahej and Kandla to the wharf of Kandla Port
- Providing Customs House Agent (CHA) services at Kandla Port
- Providing unique marks and numbers on each pipe (without material damage) so that the customs authorities were satisfied that the cargo could be individually identified
- Storage at Kandla Port
- Arranging of vessel and loading of pipes with proper lashing and securing
- Ocean freight from Kandla in Gujarat to France

The shipment was meticulously handled by Express Global Logistics and their team displayed punctual planning and timely coordination with all parties which led to the successful execution.

Express Global Logistics (EXG) is a project specialist company, established in 1946 with headquarters in Mumbai, India. An asset-based company with a pan-India presence, they are backed by their own fleet of Goldhofer hydraulic axles, cranes up to 450tns and warehouses.

www.expressworld.com



EXG SUCCESSFULLY MOVE VAPORIZER IN INDIA FOR C.H. ROBINSON

Members in India, Express Global Logistics (EXG) have once again successfully executed another critical breakbulk movement. The cargo was a vaporizer moved from the factory in Vadodara (Gujarat) to underhook of the vessel at Mumbai Port for their fellow PCN member in Canada, C.H. Robinson Project Logistics.

The vaporizer weighed 78.05tns and measured 23.00 x 4.22 x 4.20m with the shipment also including 10 small packages of accessories. Nidhi Mehta at EXG explains: "Despite many challenges such as limited lashing points on the saddles only, the cargo not being ready on time and a last-minute increase in cargo height

made this job more critical. The revised height in particular was a challenge as it was already close to the maximum height which was feasible to pass through Mumbai City to reach Mumbai Port at the committed transit time."

The project team at EXG managed to find swift solutions to the issues.

"Our engineering team suggested additional lashing points for the safety of the cargo during road transportation.

Due to the shortage of time, we carried out the export seaworthy packing at very short notice, 1 day prior to the vessel berthing.

We managed to deliver the cargo in

the shortage possible time and ensured there was no vessel detention. This was only possible on account of our team of engineers, transport specialists, port handling, customs and packing teams, who all worked around the clock to make it happen."

The shipment was seamlessly handled by the EXG team and the cargo was safely delivered and handled at Mumbai Port on time. As always, the EXG team displayed meticulous planning and timely coordination with all parties and their efficiency and prompt solutions were much appreciated by the client.

www.expressworld.com
www.chrprojectlogistics.com

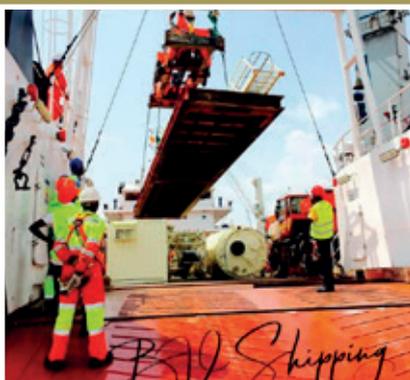
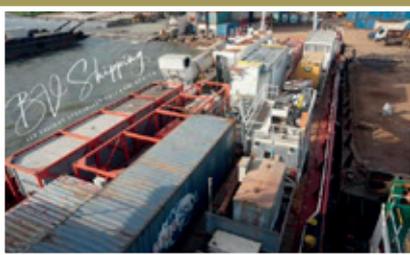


ANNOUNCING V SHIPPING AS NEW MEMBERS IN BENIN & GUINEA

We are pleased to announce representation in Benin and Guinea with BV Shipping located in Cotonou and Conakry. Offering specialised project and heavy cargo services, Bruno Vaupres (CEO) says they are joining PCN: "...to offer local assistance to members in Africa and increase volumes".



BV Shipping will be attending our 2019 Annual Summit in Botswana (17-19 November). Book your place today for an excellent opportunity to meet our members all together in one place at the same time! We are very excited to be holding a meeting in Africa and Susan Oatway, Senior Analyst at Drewry says: "The project cargo market has a number of drivers, from power generation to construction through to mining. Whilst the Americas is busy at the moment with renewable energy projects and Asia is dominated by China's One Belt One Road construction projects, Africa has a project spread that is the envy of other regions. From solar and wind power to LNG trains, from new road networks to affordable housing projects, from potash to uranium mines, Africa is the shining light for the project market. While it is true that not every project will need cargo imported, there is still enough development here to promote a significant shift in demand to this region." Please follow the link in the online story to see some previous work handled by BV Shipping and to view more photos than the ones shown here.



We handle all types of ocean freight including project, RORO, breakbulk, door-to-door and containers and we are specialised in inter-Africa shipments and sea freight from Europe and the Middle East to Africa. Our well-organised company is able to offer a full range of professional services to our overseas partners and customers. We are also continuously improving to satisfy challenging requirements as quickly and safely as possible. Our previous big project experience has included:

- Construction & operations of hydroelectric dam
- Wind energy constructions
- Coal bed methane wells
- Road & rail infrastructure constructions
- Manufacturing & development of solar power plants
- Alumina refinery & railway line constructions
- Production & industrial exploitation of bauxite resources
- Heavy RORO equipment
- Automotive industry
- Power & energy projects"

"BV Shipping is a specialist for project cargo & heavy RORO shipments in Africa with experienced and motivated staff.

www.bvshipping.com

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Rachel Humphrey, Founder

Exciting Relaunch of Freightbook with new Online Ratings Feature

Freightbook is enjoying an exciting relaunch with a fabulous new feature inspired by the fact that ratings are now an essential element to any online directory.

The online directory boasts additional benefits including the monthly FB Index, dedicated online news service, direct quote request leads and automatic amendments to profile pages.

Freightbook also recently launched v3.0 of their Smartphone Service at m.freightbook.net where forwarders and suppliers to the freight industry can be found quickly on mobile devices.

PCN Members are eligible for free registration. Contact wendy@freightbook.net for details.

www.freightbook.net

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EVENT OVERVIEW

Bahrain Rail Congress aims to gather government representatives, ministries, industry experts, technology leaders, and global rail innovators - to build a well-connected world class national rail network in the Kingdom of Bahrain. As cities face major urbanisation and congestion challenges, digitalisation, automation, and shared mobility are rapidly changing the urban mobility landscape. At this congress we will explore how to create successful collaborations between public and private sectors; the ways to fully leverage the modernization opportunities that will help boost infrastructure, transport, increase investment opportunities and to develop smart sustainable rail network.

For More Opportunities
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PCN FUNDRAISING FOUNDATION

Photo credits: Sentebale 2017

PCN recognises the importance of actively contributing to charitable causes and that a small effort from each Member can make a big impact to those in need. Obviously, there is no obligation for any Member to take part in the fundraising. We simply want to present the opportunity for those who want to participate.

"Every year our Members raise funds for charity and it is important that we carefully select the recipient each year as we really want our money to make a difference. We are aware that many agencies and projects survive through charitable donations and they can't help others without people helping them." Rachel Humphrey FCLIT, PCN President/CEO

2019: SENTEBALE, SUPPORTING YOUNG PEOPLE AFFECTED BY HIV

As PCN's 9th Annual Network Meeting will take place from 17-19 November 2019 at The Grand Palm Resort in Botswana, we have chosen to support Sentebale, a charity founded in 2006 by Prince Harry and Prince Seeiso, to support children and young people affected by HIV in southern Africa.

Sentebale's flagship programme takes the form of monthly Saturday clubs and residential weeklong camps, which help children to accept their HIV status amongst peers in safe environment, addressing their mental health and wellbeing, improving their adherence to medication and allowing them to lead healthy, happy lives.

In 2017, Sentebale launched its Let Youth Lead advocacy programme, aimed at encouraging all youth in sub-Saharan Africa to know and manage their HIV status by 2020.

The charity also provides vulnerable children throughout Lesotho with bursaries to enable them to achieve their secondary education, and grants to community-led organisations caring for the needs of orphans and vulnerable children.



SENTEBALE'S WEBSITE SAYS:

"We help the most vulnerable children in Lesotho and Botswana get the support they need to lead healthy and productive lives. Sentebale works with local grassroots organisations to help these children – the victims of extreme poverty and the HIV/AIDS epidemic. Together, we're making a big difference to these children's lives. We can do even more with your help."



PREVIOUS YEARS



2018: EDPD PROJECT

Members at our 2018 Annual Meeting, in Costa Rica, raised over \$4000 for local grassroots Type 1 Diabetes charity, EDPD. Funds will go towards printing education booklets, a Youth Diabetes Camp and expanding projects at healthcare centres.



2017: RESCUE AT SEA APPEAL

Members at our 2017 Annual Meeting raised \$4595, for the Rescue at Sea Appeal, run by Save the Children, and the donation will help towards working with child refugees around the world, from Lebanon to Jordan, Greece to Finland. Keeping children warm by providing food, water, clothing, blankets, tents & heating.



2016: TANZANIA DIABETES ASSOCIATION

The Tanzania Diabetes Association (TDA) Received \$3225 from PCN Members. The TDA headquarters is based at Muhimbili National Hospital, Dar es Salaam and supports 30 Type 1 Diabetes clinics throughout the country. Statistics show there are 1,700 children and adolescents registered in the Regional & District clinics.



2016: THE DREAM TRUST

PCN President/C.E.O., Rachel Humphrey, together with her two friends, Jane and Tania raised over \$5000 for The Dream Trust by abseiling 100 metres down the Spinnaker Tower in Portsmouth, UK. The Dream Trust provides life-saving insulin to poor children. It costs GB £200 to pay for insulin, that keeps a child alive for 1 year.



2015: MÉDECINS SANS FRONTIÈRES

Members at our 2015 Annual Meeting raised US \$3420 for Médecins Sans Frontières/Doctors Without Borders. MSF exists to save lives by providing medical aid where it is needed most: in armed conflicts, epidemics, famines and natural disasters. These situations call for a rapid response with specialised medical and logistical help.



2014: THE DREAM TRUST (INDIA)

Members at our 2014 Annual Meeting \$14,755 for The Dream Trust in India. The Dream Trust help poor children with Type 1 Diabetes. This charity was chosen as it is close to the heart of PCN Chairwoman, Rachel Humphrey, who's youngest son, George was diagnosed with Type 1 Diabetes at 9 years old, in October 2010.

M-STAR ANNOUNCE NEW CORPORATE PROJECT DIVISION

M-Star have been valued PCN members in the Netherlands and Georgia since 2012 and they are pleased to announce a new corporate project division in their group: 'M-Star Projects powered by Herfurth Logistics'.

The official launch took place at Antwerp XL Expo (7-9 May) where you could have found M-Star at Stand E25.

"It has been over 2 years since the Herfurth Group took over M-Star Freight Agencies. Those 2 years gave our different project logistics departments the time to get to know and meet each other in order to optimise and integrate the competences and know-how of the two companies and to give birth to a new organization called M-Star Projects."

"M-Star Projects combines our 40 years of experience in project logistics with Herfurth

Logistics' 120 years of competence and a proven reputation of reliability. This experience enables M-Star Projects to deliver tailor-made solutions in the logistics execution of large-scale industrial projects for companies active in chemical & petrochemical, energy, engineering, procurement & construction (EPC), mining, oil & gas, power plants, shipbuilding, sustainable solutions and others".

"M-Star Projects has a dedicated and well skilled team in the Netherlands and Georgia and whilst the legal entities in both countries remain unchanged, this new brand will accentuate Herfurth Logistics' knowledge and dedication to service the industry in terms of non-containerised logistics, both locally and globally.

The official launch of this new concept and branding was celebrated during the



Antwerp XL fair on 7-9 May 2019 and thank you, if we saw you there!"

www.mstarfreight.com

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COVERING THE LENGTH & BREADTH OF GHANA: BAJ FREIGHT & LOGISTICS

We are pleased to report BAJ Freight and Logistics Limited are members in Ghana. They offer a wide range of project cargo, heavy lifting, logistics and haulage services and Bertina Waddle at the company says: "As we are strongly invested in project cargo and heavy lift, the PCN platform has a wide range of opportunities that we look forward to tapping into".

BAJ Freight and Logistics have confirmed their attendance at our 2019 Annual Summit taking place in Botswana (17-19 November) – book your place at the event to meet our latest member in person! We want to provide the opportunity for PCN Members to understand, explore and secure business in the expanding marketplace of Africa and we have an exciting schedule planned with a Game Drive and Bush Braai Dinner at Mokolodi Nature Reserve and a grand finale at a wonderful outdoor setting adjacent to a picturesque lake where a feast will be enjoyed whilst seated around a blazing bonfire under the African sky.

Bertina continues: "BAJ Freight and Logistics, a fully Ghanaian owned company, was registered as a business in 2009 and

the company has grown rapidly to become one of the key companies in the freight forwarding and project cargo industry and a leader in providing services, solutions and support in various sectors including oil and gas. In addition to our head office in Tema, we have two branches and port facilities in Takoradi as well as a branch at the Kotoka International Airport in Accra. However, we operate at all entry points across the length and breadth of Ghana with a current staff strength of over 200."

Please visit the online story to download some examples of recent project and heavy lift work handled by BAJ Freight and Logistics.

www.bajfreight.com



MGL HANDLE PROJECT CARGO AIR SHIPMENT TO GERMANY



MGL Cargo Services are pleased to share a recently handled out-of-gauge air shipment from Egypt to Germany as pictured.

The piece had a challenging length of 6.80m and a weight of 10,500kg. The air shipment to Dusseldorf in Germany was successfully delivered door-to-door.



MGL's scope of work included:

- Cargo Pre-Inspection
- Repacking
- Precarriage
- Customs Clearance
- Organising the Loading Plan with the Airline
- Customs Clearance at Destination
- Door Delivery

MGL Cargo Services have been valued PCN members in Egypt since 2014.

www.mglcargo.com



FORTUNE & CMX TRANSFERRING ENTIRE PLANT

Fortune International Transport were recently asked to transfer an entire disassembled plant from Italy to Australia.

Fortune Managing Director, Paolo Federici explains: "The freight forwarder is the transport architect! Just as a good architect designs a house relying on the collaboration of a whole series of professionals, in the same way, the freight forwarder coordinates the transport of any cargo. For this project, the exporting company in Italy had around 100 pieces stored in their warehouse – from containerisable parcels to be shipped by box containers to out-of-gauge pieces that required the use of open-top and flat-rack containers as well as heavy lift pieces (from 40-60tns each) that could not be loaded into containers as photographed above.

The first job was done at the exporting company factory – preparing the packing list by dividing the various pieces and developing a suitable loading plan. Having divided the 100+ pieces between containerisable and non-containerisable, we booked the ship spaces with two different shipping companies, one (Hapag Lloyd: FCL) with departures from Genoa and the other (Hoegh: RO-RO) from Livorno. We then moved the entire cargo by truck (with our in-house trucking company) to the two selected ports after requesting the necessary road permits.

At this point, in the port warehouses, we coordinated the transfer from trucks to container (in Genoa) and from trucks to MAFL (in Livorno). The two ships then left almost simultaneously after two different custom operators (one in Genoa and one in Livorno) arranged the customs export operations. Upon arrival in Melbourne, our local PCN experts in Australia, CMX Global Logistics, will transfer all the cargo again from ship to truck to be delivered to the final consignee's address."

"When you need a company capable of coordinating a special project cargo transport, you can trust Fortune International Transport! Our ability to rely on many locally specialised experts around the world through PCN members also gives us great confidence."

www.fortuneitaly.it, www.cmxglobal.com

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We are pleased to announce the 1st international conference «Heavy Europe» to be held on October 10-11, 2019 in Holiday Inn Hamburg – City Nord, Germany.

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Among the Conference topics:

- Role of the German ports in project freight logistics for East and Central Europe;
- Advantages of river shipments destined for the Baltic and Black Seas;
- Best practices of delivering oversize loads to Russia, Belarus and Kazakhstan through the regional ports;
- Ro-Ro and container services as an alternative to bulk shipment;
- Railway freight between China and Europe – any competition with sea transport?

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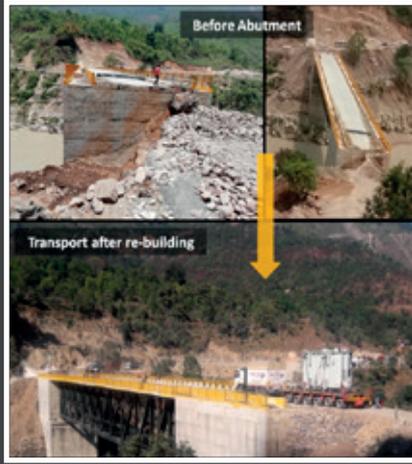
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PROCAM EFFICIENTLY SCALE ARDUOUS TERRAIN

Procam Logistics in India have recently transported 3 transformers of 50tns each for a leading hydro power equipment manufacturer after conducting a feasibility study and planning the journey covering a total distance of 1,560km.

Due to the over-dimensional cargo and terrain, the risks involved in the handling and movement of the consignments were very high. The entire stretch faced frequent landslides as well as 2 electrified railway crossings for which permission and shut down had to be arranged in close liaison with the Indian Railways.

As displayed in the above photos, since the roads were unpaved with sharp turns, the Procam team proactively conducted the safe and smooth movement by

building temporary roads and bases over the under developed roads. With constant engagement with the customer, they also helped in increasing the capacity of a steel bridge from 40mt to 100mt by providing props and thereby reducing the span length to facilitate load distribution.

The convoy management professionals at Procam used all available communication in the high altitude to ensure the traffic was well managed without any inconvenience to the stakeholders.

Another remarkable challenge surmounted by the efficient Procam team, complying with necessary HSE regulations throughout and in line with the company's vision of 'Delivering Innovation & Commitment'.



PAOLO FEDERICI OF FORTUNE FEATURED IN HLPFI

The latest edition of HLPFI Magazine includes a report on the project logistics market in Italy featuring Paolo Federici of Fortune International Transport where they also used a photo from some of their special project cargo work.

Please visit the online story, for a link, to read the full article and to download the abstracted text with Paolo featured.

www.fortuneitaly.it
www.heavyliftpfi.com

ALTUS COMPLETE LOADING & SHIPPING OF GAS MODULES

Altus Norway have recently completed the safe and successful loading and shipping of gas modules.

Reidar Evensen (Commercial Manager at Altus) explains: "We were jointly appointed by two of our customers, supplier and buyer, to provide the most suitable transportation solution for 3 large gas modules from a fabrication yard in Qidong to Keppel Shipyard in Singapore. Selected to provide complete project management, Altus Norway also engaged a reputable Marine Warranty Surveyor (MWS) to approve every step of the move. This included load-out at the fabrication yard, barging to a port in Shanghai, transfer to HLV and finally, discharging in Singapore. All engineering, documentation and planning ran smoothly and the MWS could duly approve each stage without delay. Altus negotiated the most suitable charter terms in our customers interest and ensured well-coordinated arrival of assets used for the operations. Being present at each site in



China prior and during operations ensured every phase was performed professionally and timely with the highest international standards and to the expectations of clients from the oil and gas industry. Altus were the centre-point throughout, between suppliers, sub-suppliers, external stakeholders, end customer, shipyards, MWS, asset owners and partners.

The gas modules were exceeding 11,000rt and weighing around 1,000tns in total, with the heaviest single lift being around 550tns. There were significant challenges related to the time period to plan the operations due to external delays and a

lack of availability of certain assets. A nearby salvage operation also took place prior to our lifts which required us to work hard to ensure access to a 1,800tn sheer leg crane. Language barriers, variations in safety culture and technical documentation requirements were also barriers we had to overcome. The key factors in the success of this project was detailed planning with creative solutions, cultural knowledge, the selection of suitable partners and a hands-on presence throughout the process and operations. Altus has a proven track record of similar transports in similar environments and are very familiar with the challenges that can arise. The modules were delivered in the early part of the delivery window in Singapore, and were safely discharged directly from HLV to the gas vessel."

The photo shows the transfer of the modules from chartered barge to the HLV with a 1,800tn crane at a private port in Shanghai.

www.altusnorway.com



AL NAHRAIN DELIVER PROJECT CARGO IN JORDAN

Members in Jordan and Iraq, Al Nahrain for Transportation and Marine Services have recently handled the delivery of 3 units of portable field armories plus accessories and parts.

Each of the 3 units weighed 14,061.36kg with dimensions of 7.01 x 3.19 x 3.35m as pictured in the gallery below. They were picked up by Al Nahrain at Aqaba Port and delivered to the final destination in Zarqa City, Jordan.

Adham Obeidat at Al Nahrain comments: "This shipment was for one of our main clients from the USA and Al Nahrain has a vivid business history with them during the last 10 years where we conducted a lot of important shipments in Jordan and Iraq. Upon the shipment's arrival at Aqaba Port, our working team was available and ready to receive the cargo having prior coordinated with all related parties including military representatives to avoid any unnecessary delays."

Al Nahrain's scope of work started at Aqaba Port by handling the shipment and completing customs clearance formalities before delivery to the final destination using suitable low-bed trailers with proper lashing and binding tools to secure a safe move.

The operations were swiftly handled by Al Nahrain with the 3 units carefully offloaded to the satisfaction of the client.

www.nahrainco.com.jo

SPC WITH DELIVERY OF 5 TRANSFORMERS

SPC Logistics are specialised in project cargo and are pleased to share a recent delivery of 5 transformers.

The 5 transformers were transported from Cartagena in Colombia to Nicaragua for M/S ABB. SPC Logistics handled the fixtures, ship agency, customs processes and inland transport from Limon in Costa Rica to Nicaragua.

www.spclog.com



PCN HAS BEEN SHORTLISTED FOR 2 HLPFI HEAVY LIFT AWARDS!

We are delighted that Project Cargo Network has been shortlisted for two HLPFI Heavy Lift Awards – Forwarder Network of the Year and the Training Award.

As the leading publication reporting on the heavy lift, breakbulk and project cargo sector, Heavy Lift and Project Forwarding International (HLPFI) has established the Heavy Lift Awards to recognise and reward excellence in complex logistics, transport and engineering projects around the world.

HLPFI's Heavy Lift Awards are designed to celebrate the many individuals and companies whose vision, innovation and commitment helps to shape this vibrant industry.

Winners will be announced on Tuesday 15 October 2019 at Hilton Old Town in Antwerp. And there is a link, to the full shortlists, in the online story.

www.heavyliftawards.com, www.heavyliftpfi.com

MASSTRANS PROVES THEIR EFFICIENCY BY HANDLING TRANSFORMERS FOR POWER PROJECT

UAE members, Masstrans Freight are pleased to share details of a recently completed project for a substation. The cargo consisted of 3 transformers each weighing 67tns plus their accessories.

Assistant Manager of Project Logistics, Jithin Vijay says: "The three over-dimensional transformers plus accessories totalled 800frtns. Masstrans handled the post landed service in full including positioning the transformers on to the plinth."

The scope of work handled by Masstrans

included receiving the vessel under hook, route surveys, road permissions, transportation, all lifting by cranes, the positioning on a platform temporarily built for skidding the transformers up to the plinth at a distance of 55m and the final positioning on the plinth. See below for photos of the operations.

Masstrans successfully delivered their efficient services whilst adhering to the safety policies to the complete satisfaction to their client.

www.masstransfreight.com



BOTSWANA

9TH ANNUAL SUMMIT

17-19 NOVEMBER 2019

We are excited to announce that our 9th Annual Summit will take place from 17-19 November 2019 at Gaborone International Convention Centre (GICC) at The Grand Palm Resort in Botswana.

Susan Oatway, Senior Analyst at Drewry says: "The project cargo market has a number of drivers, from power generation to construction through to mining. Whilst the Americas is busy at the moment with renewable energy projects and Asia is dominated by China's One Belt One Road construction projects, Africa has a project spread that is the envy of other regions."

From Solar and Wind power to LNG trains, from new road networks to affordable housing projects, from Potash to Uranium mines, Africa is the shining light for the project market. While it is true that not every project will need cargo imported, there is still enough development here to promote a significant shift in demand to this region."

We want to provide the opportunity for PCN Members to understand, explore and secure business in this rapidly expanding marketplace and have an exciting schedule planned with a Game Drive and Bush Braai Dinner at Mokolodi Nature Reserve and a grand finale at a wonderful outdoor setting adjacent to a picturesque lake where a feast will be enjoyed whilst seated around a blazing bonfire under the African sky.

We look forward to spending this very special event with you.



**SEE OUR
BOTSWANA BROCHURE
FOR FULL DETAILS**

SCHEDULE OF EVENTS

Sunday 17 November 2019

15:30-22:00 Game Drive & Bush Braai

Monday 18 November 2019

09:00-17:00 Meeting Room

19:30-22:30 Gala Dinner & Awards

Tuesday 19 November 2019

09:00-17:00 Meeting Room

19:30-22:30 Group Dinner at Boma



ABL & CTO SHIP BREWERY EQUIPMENT FROM BELGIUM TO BRAZIL

Belgian members, ABL have recently worked with members in Brazil, CTO to handle the delivery operations of a large and high crated piece of heavy industrial brewery equipment manufactured in Belgium.

The cargo was shipped from Antwerp in Belgium to Juatuba, Brazil. Eric Hunter at ABL comments: "Time constraints meant the arrival at the port of Rio de Janeiro coincided with the Rio Carnival period but thanks to the high standard of assistance from CTO and the well-oiled collaboration and communication between ABL and CTO, the safe delivery to Juatuba was on time and achieved with success."

www.abldissaco.com, www.ctonet.com



NATCO COMPLETE SHIPMENT OF 346TN TRANSFORMER

South African members, NATCO SA International Transports have recently completed the movement of a 346tn transformer from Germany.

The shipment consisted of the transformer plus 20 x loose crates and cases with a gross weight of 388,296kgs. It arrived from Germany at Richards Bay Harbour in South Africa recently.

The operations were handled reliably and safely by NATCO as usual with no damage or incidents and with the shockwatch indicating zero shock.

Above are photographs of the shipment during discharging from the vessel at Richards Bay Harbour on Saturday 11th May.

www.natco.co.za

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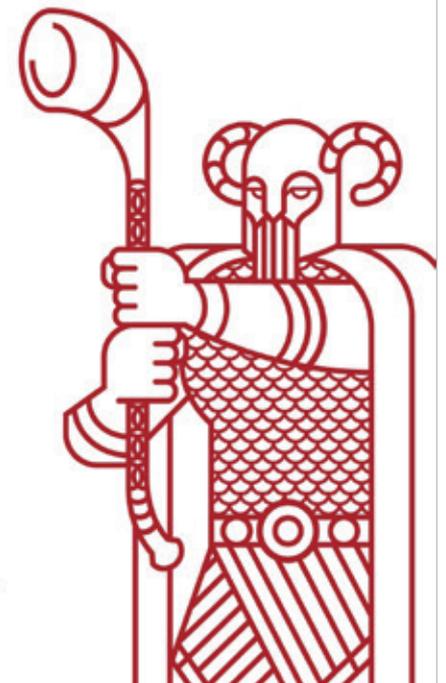
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ACCRA, GHANA

4 - 6 September 2019

Stockholm, Sweden

More info at

www.balticportsconference.com



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CEA PROJECTS VIETNAM HANDLE SPECIALISED TANK



CEA Projects Vietnam have recently completed a project for a specialised tank which was manufactured in China and will be used to store radioactive waste at a facility in Africa.

CEA Vietnam received the tank by airfreight at Noi Bai International Airport in Hanoi, Northern Vietnam. The project cargo team at CEA procured all the necessary licenses and clearances before transporting the tank 140km via road to Hai Phong Port where it was loaded on to the awaiting vessel and shipped to Africa.

www.ceaprojects.com



CEA VIETNAM COMPLETE IMPORT PROJECT IN CONJUNCTION WITH GEBRÜDER WEISS

CEA Projects Vietnam have recently completed a project in conjunction with fellow PCN member Gebrüder Weiss involving the customs clearance and transport of machine line components to the BOSCH factory in Long Thành District, Southern Vietnam.

The cargo arrived from Germany at the Cai Mep International Terminal, 50km southeast of Vietnam's commercial hub, Ho Chi Minh City. Upon arrival, the CEA team proceeded with the necessary customs documentation while the cargo was loaded onto multi-axle low-bed trailers. After all the import documentation was completed, the cargo left the terminal and made the 40km trip to the BOSCH factory in Long Thành. Check out the photographs above.

www.ceaprojects.com, www.gw-world.com

www.cargoconnections.net



15 years after starting her first company (Universal Freight Organisation) and to complete her trio of networks, Rachel Humphrey launched **Cargo Connections**, a general cargo network offering a Restricted Representation policy.

The organisation now contains over 100 Members and our 3rd Annual Assembly takes place in March 2018 in Prague.





Beyond Waves and Clouds / Since 1992

BATI GROUP ANNOUNCE NEW BRAND IDENTITY & LOGO

Members in Turkey, BATI Group are pleased to announce their new brand identity and logo!

"After 27 years, we're releasing an updated brand identity, which includes a new logo, colours, and font.

You'll see the new look anywhere we're out in public, like exhibitions, network meetings, our website, our social media pages (YouTube, Facebook, Twitter and Instagram) and very soon you'll see it on all of our paperwork and products as well. We believe the new look better matches our basic values with today's world.

We will continue to do what we've done since 1992 – being a key logistics partner to our customers while providing technology-based logistics solutions and establishing a global logistics company.

The significant logo change is our first in 27 years, replacing the old rotating world with two red arrows with a new logo that surrounds our global world on all four sides. The four sides that comes with our brand not only refers to controlling the four major transport modes but also representing our most principal values of reliability, customer-focused, value-added and innovation. These all makes the BATI people a big team beyond the waves and clouds!

Our new mission is to provide perfect tailor-made and innovative logistics solutions to our customers and partners while minimizing their logistics budgets, maximizing the service quality in every aspect of transportation and growing consistently by investing in technology.

As BATI Innovative Logistics, our vision is to establish a global logistics network in all continents, offer technology-based solutions and becoming a key solutions partner of our clients within a period of 10 years.

We hope you like this new look and feel for BATI Innovative Logistics!"

www.batigroup.com.tr



SUCCESSFUL DELIVERY OF OIL RIG EQUIPMENT BY TURK

Turk Heavy Transport (members in Bahrain) have handled another successful delivery of oversized oil rig equipment. The delivery was completed within the AWALI / Tatweer controlled area using Turk's heavy hauling trucks.

The two oversized pieces were a mud pump trailer measuring 18.0 x 9.4 x 4.7m and weighing 84tns and a rig mast assembly at 43.0 x 6.9 x 5.8m and 60tns.

Logistics Manager, Donna Gualberto comments: "There were a lot of difficult manoeuvres and unforeseen situations on the way, but we managed the project smoothly and perfectly through proper planning and coordination including necessary permits, escorting and extensive route surveys. We would like to thank our expert drivers and the rest of the team for a job well done."

The client was very grateful for another successful job handled by Turk Heavy Transport.

Turk Logistics and Heavy Transport – your reliable, professional partner for projects in the Kingdom of Bahrain.

www.turktransport.biz



CENTRAL OCEANS LAUNCH NEWLY REDESIGNED WEBSITE

Central Oceans are proud to announce the launch of their newly redesigned website!

www.centroceans.com

Managing Director, Bram van Olphen comments: "On behalf of all of us here at Central Oceans, welcome! Our old website served us well for the past decade, but technology continues to develop and with this redesign we will be able to communicate better on our services that we are so passionate about!

We hope you like the fresh new look of our website and improved layout to help you find information more quickly and easily! We will continue to develop our website so please do check back for updates."

Central Oceans are valued PCN members in Singapore, Thailand and the UK.

www.centroceans.com



COORDINADORA MANAGING PROJECT WITH NAIGAI TRANS

Coordinadora Internacional de Cargas is currently managing a project with their PCN partner, Naigai Trans Line.

The project involves the shipping of a compressor and its accessories (a total of 27 items) on a vessel with a regular service delivered by Naigai Trans Line. The cargo was loaded successfully in Yokohama (Japan) and is now bound for Dammam in Saudi Arabia.

Maria Fernanda Rojas at Coordinadora comments: "The shipment required a special manoeuvre with the cargo loaded directly from the barge to the mother vessel".

www.coordinadoraetm.com
www.ntl-naigai.co.jp



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