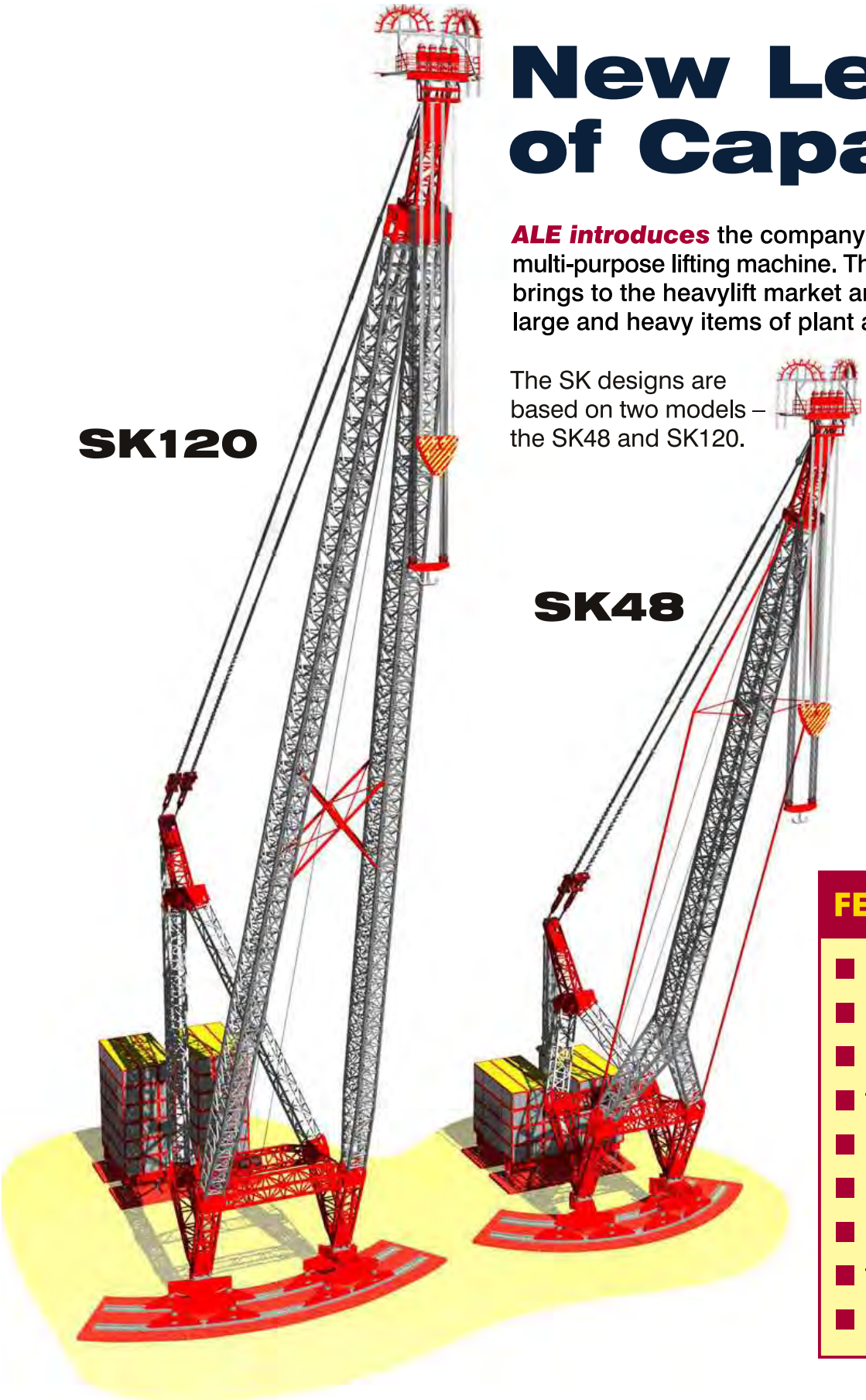
ALE GLOBAL news

ISSUE No. 4

New Levels of Capability

ALE introduces the company's latest development – a multi-purpose lifting machine. This state of the art equipment brings to the heavylift market an innovative way of lifting large and heavy items of plant and equipment.

The SK designs are based on two models – the SK48 and SK120.



*See page 3 for further information on this new development from **ALE***

FEATURED INSIDE...

"WORK SAFE – HOME SAFE"

(Above): A member of the ALE workforce team being presented with his Safety Award Certificate

"No task is so important and no service is so urgent that we cannot take time to perform our work safely."

As part of a team, **we become responsible for each other. Our goals always include activities and initiatives aimed at encouraging safe behaviours and eliminating unsafe conditions before they result in injury or illness. People are important to our company and therefore safety is equally important. In today's competitive business environment, it is imperative that we never forget our safety roles and responsibilities.**

No task is so important and no service is so urgent that we cannot take the time to perform our work safely. It is our goal to develop employee safety awareness at all levels, developing the work environment and our safety culture and to provide continual improvement in the quality of our services. The general culture and safety culture in any organisation should always evolve and improve – ***ALE*** is no different. Our Operatives, Supervisors and Management Team Leaders are groomed and trained to fulfil their role as team members and are treated as just that – part of the team.

"The need for safety is always with us," says Mark Harries, Managing Director "and will continue to be as the ***ALE Group of Companies*** grows and transforms at an increasing rate into new areas of technology never thought possible in years past. As ***ALE*** continues to build its network and business processes, we intend to keep fully focused on the need to be constantly vigilant towards safety, the environment and the improvement of the business to secure the maximum benefit to all."

NEWS BULLETIN

Offshore Technology Conference, Houston

ALE is exhibiting at this year's Offshore Technology Conference (OTC), one of the world's leading showcases for the offshore oil and gas industry. The conference will be held from 30 April to 3 May 2007 at the Reliant Center in Houston, Texas 77504, USA.

We look forward to seeing you in Houston – please join us at our Booth # 10115

ALE opens new office in Qatar

Continuing the development of ***ALE*** in the Middle East, we have recently opened a registered branch office in Qatar.

ALE Qatar, PO Box 22796, Doha, Qatar

Email: qatar@aleme.ae

Office Relocation in Buenos Aires

Please note our new office address in Argentina.

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Ciudad de Buenos Aires, Argentina

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EQUIPMENT NEWS

ALE continues Fleet Expansion

During 2006 ***ALE*** took delivery of 100 axle lines of the 3rd generation Self Propelled Modular Transporters (SPMT's) from Scheuerle Fahrzeugfabrik GmbH.

ALE is set to continue the expansion of its fleet with additional axle lines on order for 2007.

These latest investments underscore ***ALE's*** commitment to new and existing customers and the continued growth of our business.

ALE UPDATE

ALE appoints new International Projects Director for Korea

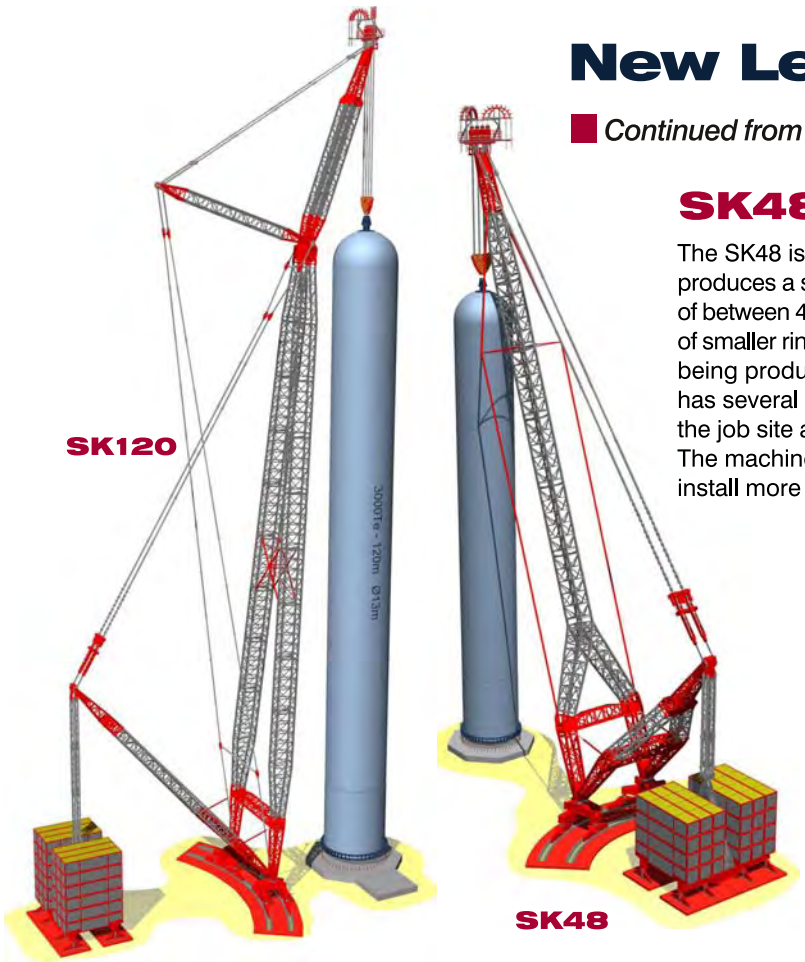
Moon Soo Yang
International Project Director, Korea

***ALE** has appointed Moon Soo Yang as International Projects Director for the company's new office in Korea.*

MS has over 20 years experience in the heavy lifting and transport industry. In his new role he will be responsible for representing ***ALE*** to Korean contractors for their worldwide requirements.

New Levels of Capability

Continued from front page



SK48

The SK48 is a single boom arrangement which is reinforced and produces a single lift capacity of 2,500te and a load moment capacity of between 48,000 to 60,000tm. This machine is placed in the category of smaller ring lift cranes and enhanced larger crawler cranes currently being produced by the traditional crane manufacturers. The crane has several advantages over existing designs in space required on the job site and lower freight tonnage for reduced mobilization cost. The machine is also fitted with winches and a 600te hook block to install more conventional heavy lifts to shorter timescales.

SK120

The SK120 is an A-frame boom machine and provides a lift capability of 5,000te and a load moment capacity of between 80,000 to 120,000tm. This places the SK120 in the foremost position above the lifting devices in use today and out lifts all the current ring lift designs. The lift criterion used was set at columns of 3,000te and 120 metres high at 30 metres boom foot radius, which caters for the present requirements and allows for future development.

SPANISH CONNECTION

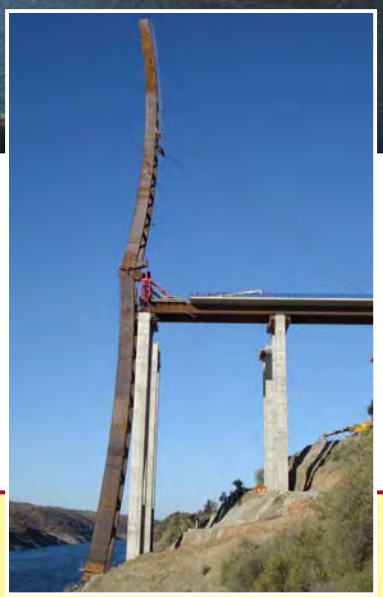
Arcos de Alconétar Viaduct over Tajo River, Spain

***ALE Lastra* installed bridge sections on La Plata Highway viaduct over the Tajo River at Alcantara Dam. The viaduct consisted of two twin structures each 400 metres long.**

The structure consisted of 14 x 26m long spans and 2 x 18m long spans. They were supported over concrete pillars at ground level and over steel pillars supported on the main steel arches. The arches spanned 220m and were 42.50m high.

(Opposite): Pushing bridge section and final fitting

(Below & Inset): Final tilting of upper arch



Skidding lower arch section

ALE's activities on this project included:

- *Pushing bridge section 200m long, weighing 3,000te*
- *Skidding lower arch section 60m long, weighing 250te over the bridge section*
- *Tilting and lowering lower arch section 60m long, weighing 250te*
- *Skidding upper arch section 60m long, weighing 250te*
- *Final tilting upper arch 60m long, weighing 250te*
- *Tilting and closing semi-arches*
- *Pushing bridge section 200m long, weighing 3,000te and final fitting*
- *Replacement of temporary supports with the final supports*

BRIDGING THE GAP

New Grube Bridge over Dortmund-Ems Canal Germany

During the summer of 2006 ***ALE Lastra*** installed the new Grube bridge over the Dortmund-Ems canal near Lüdinghausen in Germany. The bridge was first transported to the abutment using a 4 file, 12 axle SPMT trailer. The bridge was set down onto the ***ALE Lastra*** slide plates on one end and temporary supports on the other. The trailer was then relocated to the end of the bridge.

The first 31 metres of the bridge was skidded over the slide plates by propulsion of the SPMT while a 400te mobile crane was attached to prevent the bridge from tipping. Another 8 metres was skidded before the bridge was supported by the second axis of slide plates on towers. The SPMT was removed and strand jacks took over the propulsion until the bridge reached its horizontal location and then jacked to final position.

MAKING SHORT WORK OF LONG VESSEL

Kleve, Germany

ALE Lastra transported a 241te vessel from Kleve to a barge berthed near Emmerich in Germany during November 2006. The vessel was jacked up from building position using four 485te climbing jacks then loaded to two 4 file, 4 axle SPMT's equipped with turntables. The route through the town of Kleve required many obstacles to be removed due to the 67 metre vessel length. The next morning the vessel was successfully rolled onto a barge.

A further nine vessels were transported varying from 35 to 84 metres in length weighing from 180 to 655 tonnes.

TALL ORDER FOR CONTAINER CRANE

New York, USA

A PACECO container crane had to be increased in height to allow it to offload larger vessels. The main structure of the crane was lifted to enable a 6 metre insert to be fitted. ***ALE Lastra*** used a gantry equipped with 4 x 200te strand jacks at land side and 4 x 70te strand jacks at sea side. The gantry was positioned on beams supported on the sill beam of the crane to distribute the load of the lifted leg into the railway tracks of the crane.

The main lift was executed in four hours and the complete manoeuvre, including the installation of legs sections, was completed in under eighteen hours.

At a later date, the 800te crane was moved using a skidding system of 4 x 300te skid shoes at land side and 2 x 500te capacity flat skid beams at sea side. The crane was skidded backwards a distance of 53 metres to re-position another crane and then returned to its rails to commence operating.

(Above): ALE skid system

(Right): Crane height increased by 6 metres

GENERATING INTEREST

Iowa, USA

Transformer delivered to site

Work on this major power project involved the barge transport, ballasting, sea fastening, offloading and site transport of various items of equipment including Generator (400te), Transformer (300te), HP Turbine (110te), LP Turbine (110te) and Rotors/Stators (up to 70te). During a 5 month period a total of 22 barges were delivered.

(Below and right): Off-loading generator and turbine from barge

SIX OF THE BEST

Mapthaput,Thailand

This project involved the transportation and installation of 6 silos from fabrication site to the project site at Mapthaput, Thailand.

Each silo measured 6 metres in diameter and 25 metres long. ***ALE Thailand*** responsibilities included arranging permits, police escorts and the removal and reinstatement of street furniture and lifting overhead wires along the route.

HIGH CLASS ACCOMMODATION

Salvador de Bahia, Brazil

ALE MEGATRANZ recently completed the installation of a Living Quarters module in Brazil.

Prior to starting the lift operation, the module was skidded from the assembly area to the lift position.

LQ Module skidded 22 metres

LQ Module lifted 25 metres

The 1,350te Living Quarters module was lifted a total of 25 metres above the Deck using two pairs of ***ALE*** lifting gantries. The front gantries, each equipped with 2 x 500te capacity strand jacks, were placed either side of a lifting beam close to the module and rear gantries, each with 1 x 500te directly above the rear lifting point of the lift beam.

After the module was lifted above the Deck, the LQ module was skidded 22 metres longitudinally across the Deck using 16 x 150te capacity skid shoes.

Using the fully computerised new design heavy lift system recently developed by ***ALE***, the lifting operation was completed in five hours.

PULLING POWER

Tampico, Mexico

ALE Lastra de Mexico has completed the load-out of a Production Platform weighing 9,300te. The load-out operation was performed using 4 x 200te and 2 x 70te capacity strand pulling units.

The Production Platform was moved a distance of 143 metres to the dockside with an additional 93.5 metres along the length of the barge. The average pulling speed was 15 m/h during the approach to the barge and 8 m/h on to the barge. ***ALE*** carried out the barge ballasting operation using 12 x 900 m^3/h pumps.

The operation was successfully completed within two days.

BUZZARD LEAVES FOR BIGGER POOLS

Hartlepool, United Kingdom

ALE successfully completed the load-out operation of the Nexen Buzzard QU Deck with a total load-out weight of 11,300te.

ALE was also responsible for the barge management operations during load-out including mooring and ballasting.

Further information and video footage can be found on our website:
www.ale-heavylift.com

(Above): QU Deck loading onto barge

(Below): Site move utilising 420 axle lines of SPMTs

Key activities in ALE's scope of work were:

- *Site movement of various structures up to 600te*
- *Load-in and site move of the 700te Living Quarters Module and 900te Sulphate Removal package*
- *Jack up and site move of the 700te Line 1-2 Module*
- *A 90 degree carousel, 1km site move and load-out of QU Deck using 420 axle lines of SPMTs*

All axles controlled by single operator

GOING DOWN UNDER

During a six month period, *ALE* transported approximately 75,000 tonnes of pre-assembled modules (PAM's) as part of the G3 expansion of Alcan Gove's alumina refinery in Australia's Northern Territory.

The structures were constructed in Thailand and shipped to Chan May, Vietnam where ***ALE*** loaded them in from barges.

The structures were positioned on top of pre-cast concrete structures using a ramp to create a SUPERPAM for shipping to Gove, Australia.

The SUPERPAMS weighed up to 3,600te and were built with their foundations incorporated to minimise site work. The modules were moved using SPMTs and are the heaviest to be loaded out in Vietnam.

This project takes modularization to a new level.

(Opposite): Module driven up ramp for installation on top of concrete foundations

(Below left): Load-out 2,500te boiler module

(Below right): Transportation using SPMTs

Load-out at Chan May Port, Vietnam

TOWERING UNDERTAKING
Jubail, Saudi Arabia

During January this year ***ALE Middle East*** undertook the transportation of a 1,513te Wash Tower to the Sharq 3rd Expansion Ethylene Glycol plant.

The 92 metre long Tower was moved a distance of 12 kms using SPMT's and a 1,700te bolster system used to negotiate the challenging manoeuvres on the route to the plant.

(Left): Transport of Wash Tower on Jubail module corridor

(Below left): Negotiating turn with Wash Tower on bolsters

(Below right): Transport of Wash Tower on SPMTs with bolsters

COLUMN ON COMPLEX COURSE
UAE to Kuwait

Transportation of C2 over roundabout

ALE Middle East was awarded the contract to transport two columns from the UAE to Kuwait by land and sea.

The 353te C3 Splitter and 272te C2 Splitter were transported using SPMTs with bolsters from the construction yard to the jetty. Barges were chartered for sea transportation from Hamriyah Free Zone in UAE to Shuaibah in Kuwait. On arrival the columns were rolled off the barge and transported to a laydown area.

The transportation arrangement was engineered specifically to enable the complex route to be negotiated.

The work package performed included:

- *Supply of tug and barge*
- *Road surveys*
- *Detailed operational procedures*
- *Barge strength calculations*
- *Ballasting calculations*
- *Seafastening design*

SWINGING INTO ACTION

Taiwan

ALE are currently undertaking works on the Nuclear 4 project in Taiwan using a Gottwald MK1500, 1,200te capacity crane.

A series of heavy lifts have been carried out on this project, including:

- MSR weighing 335te lifted into place at 56m radius using the MK1500 rigged on 77m main boom, 47m back mast, utilising 700te of superlift counterweight
- Stator weighing 480te lifted into place at 40m radius using the MK1500 rigged on 65m main boom, 47m back mast utilising 620te of superlift counterweight

CHINESE LIFTAWAYS

Methanol Plant, Hainan Island

ALE Heavylift recently undertook the lifting of a 384te Rectifying Tower for a Methanol Plant at Hainan Island in China using a Liebherr LR1800 1,200te capacity crawler crane utilising 350te of superlift counterweight at an installation radius of 28 metres.

Lifting Columns, Maoming

An LR1800 crane worked on the IPS project in Maoming, China. The main lift on this project was the TB-510 Column weighing 444te.

ALE, your first choice *for a top quality engineered service undertaken by highly experienced personnel ensuring complete customer satisfaction. Our professional team are dedicated to providing an integrated 'one stop' service anywhere in the world.*

DELIVERING THE GOODS
Power Station, Ireland

This project involved the transportation and installation of a Gas Turbine (372te) and Gas Turbine Generator (291te) for a power project in Ireland.

Transportation from port to site was undertaken using ***ALE's*** 30 axle girder frame trailer. Once on site, the Gas Turbine and Gas Turbine Generator were transferred to a SPMT for delivery to the Turbine Hall, where they were installed using ***ALE's*** gantry lift system.

Gas Turbine lowered into Girder Frame

Above: Transport using SPMT

Below: Installation of Gas Turbine

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