

# ***Inside ICHCA***

## **Australia**

**January 2012**

**About ICHCA – International Cargo Handling Co-ordination Association:**

*ICHCA's Objective is to increase knowledge of ways to improve the efficiency and economy in the handling and movement of goods, from origin to destination by all modes and at all phases of the national and international transport chains.*

*ICHCA Australia Ltd is proud to be part of the ICHCA International Ltd global network. Members can access past newsletters and other useful information by going to the international website at [ichca.com](http://ichca.com).*

*To join ICHCA, please contact Ian Lovell, Company Secretary of ICHCA Australia Ltd on [ian.lovell@bigpond.com](mailto:ian.lovell@bigpond.com) or telephone 0400 708 182.*

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## Message From The Chairman

Thank you for your support in 2011 - it has enabled ICHCA to progress a wide range of issues in trade, logistics and cargo handling across modes with Government and industry.

ICHCA is an independent, apolitical, not for profit industry organisation that can only continue to function with the support of its members. Accordingly we invite those interested in becoming a member to apply and existing members to renew ICHCA membership for 2012. Please go to [www.ichca-australia.com](http://www.ichca-australia.com) to apply for membership.

The benefits of being part of ICHCA in 2012 include participating in our program of state based luncheons with a good range of quality speakers talking about key cargo and freight issues.

Members of ICHCA Australia can also tap in to The ICHCA International Network that liaises with numerous international organisations and companies, particularly concerning safety, security and environmental issues in the cargo handling industry. Some of the bodies we are working closely with are; IAEA, ILO, IMO, TT Club, PEMA, CARC, ISO, ITCO, COA, FIBCA, LEEA, and The International Group of P&I Clubs to name a few.

To keep members better informed ICHCA Australia has now established its own website that is comprehensive and has both a general section and one for members only.

ICHCA Australia will continue with its successful monthly e-newsletter 'Inside ICHCA' in 2012 and ICHCA Members will also be able to access the ICHCA International e-news letter, ICHCA's Cargo World, that will now be coming out every month and cover regular features: including the Global Overview, Technical Reports, Topical Issues, ISO Standards, etc.. On alternate months there will be showcase articles, interviews and special features relating to safety, security and the environment.

With the retirement of Mike Compton a new technical adviser has joined ICHCA International and we welcome Richard Brough, OBE who will be fulfilling that role.

In case it might have escaped your attention the ICHCA International Biennial Conference in Melbourne is being held from the 8<sup>th</sup> to the 11<sup>th</sup> May 2012. It has an excellent line up of speakers and excellent support from sponsors and exhibitors. We urge you to take advantage of the "early bird" rates and register now – go to [www.ichca-australia.com](http://www.ichca-australia.com)

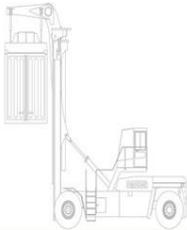
We look forward to seeing you at the Conference.

Tony Grant  
Chairman  
ICHCA Australia

**Please Note:** New Publication – ES1 – Transboundary Movements of Hazardous Wastes is now available on the Members Only website area at [www.ichca.com](http://www.ichca.com)

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## Notice of ICHCA Annual General Meeting

Commencing 11.00 a.m. on Wednesday 15<sup>th</sup> of February 2012

At: The Lakes Resort Hotel, 141 Brebner Drive, West Lakes, South Australia 5021

Telephone +61 8 8356 4444

This serves as notification of the forthcoming Annual General Meeting of the company. Documents available from [ian.lovell@bigpond.com](mailto:ian.lovell@bigpond.com) on request are:

1. AGM Agenda
2. Nomination for election as a Director form – must be lodged with the Company Secretary no later than 72 hours prior to the meeting
3. Directors consent form – to accompany nomination form
4. Proxy form - must be lodged with the Company Secretary no later than 72 hours prior to the meeting
5. AGM Minutes for 2010 held on Thursday 31st of March 2011

The audited financial statements will be available for inspection 15 minutes before commencement of the meeting. They can also be provided to you by e-mail prior to the meeting by request to the Company Secretary.

Documents to be lodged with Ian Lovell, Company Secretary by e-mail [ian.lovell@bigpond.com](mailto:ian.lovell@bigpond.com) or by phone 0400 708 182.

Please note only members who have paid their 2012 annual membership fee are eligible to vote.

**All members intending to attend are requested to e-mail the Company Secretary 24hrs before commencement of the meeting.**

Yours faithfully

Ian Lovell

Company Secretary ICHCA Australia Ltd, 9 Durham Street, Henley Beach, SA 5022 Tel: 0400 708

182 e-mail: [ian.lovell@bigpond.com](mailto:ian.lovell@bigpond.com)

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## Book Now for ICHCA Adelaide Luncheon 15<sup>th</sup> February 2012

**Wednesday 15<sup>th</sup> February 2012**

**ICHCA LUNCHEON at THE LAKES RESORT HOTEL**

**Brebner Drive, West Lakes - 12.00 FOR 12.15**

### **Mr Rod Hook**

Chief Executive Officer, SA Department of Planning, Transport & Infrastructure

## **SA Freight Transport Infrastructure Current and Future Developments**

There is a great deal happening in terms of freight and logistics related transport infrastructure in South Australia.

With the national freight task forecast to double over the 20 years to 2020 and triple over the years to 2050, and, coupled with the expanding mining sector in this State, there are ever increasing calls for more and more infrastructure provision to be facilitated by the State Government.

Calls for more and bigger Ports, Roads, Railroads and Airports!

Find out how the Government is assessing the demand for infrastructure - what the Government is already doing and what it has planned for the future.



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**EARLY BOOKINGS PLEASE – PLACES LIMITED**

RSVP: cob **Wednesday 8<sup>th</sup> February** to Heidi Holmes of AECOM, Tel: 08 7100 6400,  
Fax: (08) 7100 6499 E-mail: [heidi.holmes@aecom.com](mailto:heidi.holmes@aecom.com)

## **Integrated Planning and Optimisation Summit**

ICHCA members are reminded to register for the upcoming Integrated Planning and Optimisation Summit on 27 - 28 February, 2012 at the Adelaide Convention Centre. The summit is shaping up to be the most informative event on this topic in Australia - if not globally - led by a blue chip group of speakers and panellists who will share their vast experience and expertise on how their organisations are making significant improvements in performance and competitiveness.

Register at [www.IPOS2012.com](http://www.IPOS2012.com). It will be a first class event, with some 400 people attending. E-mail: [lh@solveitsoftware.com](mailto:lh@solveitsoftware.com)

## DAFF Biosecurity New Approach to Industry Engagement



Australian Government  
Department of Agriculture, Fisheries and Forestry

DAFF Biosecurity (formerly known as AQIS) is continuing to improve the way it engages with industry, to gain a better understanding of industry needs.

- A network of key DAFF Biosecurity managers has been established to coordinate and increase the level and type of engagement with stakeholders in each Region.
- A Regional Stakeholder Engagement calendar has been established to initiate and manage regular contact with clients and stakeholders.
- You should see more of DAFF Biosecurity staff - at industry meetings, at your premises, out and about preventing avoidable biosecurity and administrative problems.

The issues raised by clients will be prioritised according to their impact and relevance. Routine local operational issues will continue to be managed at the local (regional office) level with more regularly monitoring. Regulatory issues of broader concern and/or national impact will be referred to the national office and/or the national industry consultative committee (now known as the DAFF Cargo Consultative Committee).

We trust these new arrangements will help industry and government build on a partnership as we continue to improve Australia's approach to Biosecurity, together.

Over coming months we will provide more information on the issues that are being raised and how we are dealing with them.

<http://www.daff.gov.au/home>

## The Territory's economic future secured

Chief Minister Paul Henderson today welcomed the final investment decision for the Ichthys Project made by INPEX and Total, securing the \$34 billion project for the Territory.

"The Territory has secured its economic future and is on the way to becoming the oil and gas capital of Australia," Mr Henderson said.

"This is an historic day for the Territory and the culmination of a significant amount of foresight, planning, work and effort.

"It will provide 3000 jobs during construction and the resources growth will underpin our economy for the future providing training, employment and business opportunities for Territorians.

"Four years on, since we began chasing the ICHTHYS project, we are now just weeks away from the start of construction.

"In the planning stages, we joined INPEX in signing an Industry Participation Plan to ensure local businesses could achieve their share of the economic growth.

"We're using all arms of the Territory Government to continue to support businesses to help them get the most out of the Ichthys project and the expected growth of the resources sector.

"We've invested heavily into attracting resource investment into the Territory, including building a Marine Supply Base to help make us the oil and gas capital of Australia.

"There are a number of real opportunities for Territorians and students who are at school now will be able to capitalise on these in years to come.

“It means today’s Year 12 Students, apprentices and trainees could be working as engineers, tradesmen and project managers when the Blaydin Point gas plant begins operating by the end of 2016.

“The North Australian Centre for Oil and Gas at Charles Darwin University and the Larrakia Trade Training Centre will skill up as many workers locally as possible supported by INPEX and Total.

At the peak of construction a workforce of about 3000 will be required to build the onshore gas facilities, which includes two LNG trains, a liquefied petroleum gas plant and condensate separation plants, product loading jetties and a 300-megawatt power station.

For more information visit [www.growingnt.nt.gov.au](http://www.growingnt.nt.gov.au)

## **Australian-First Container Rolls Out To Mining Industry Within 90 Days**



The office has certainly been buzzing in South Australia as SCF Group has become the first company in Australia to specifically design a container to work with a Rotainer system with a removable lid.

SCF was ready to meet a further challenge and manufacture and deliver the unit within a 90 day time frame instead of the standard industry practice of six months.

SCF Group CEO Richard Sykes said the product had been tailor-made for Hillgrove Resources Limited to transport copper concentrate from the Kanmantoo Copper Mine to an inner harbour facility at Port Adelaide. Flinders Ports will be unloading the containers using the Rotainer system.

“The container is fully loaded on the wharf with the lid firmly in position when the tippler system lifts the unit into the hull of the ship. The lid will then be removed and the container rotated 360 degrees, before the lid is placed back on the unit,” Mr Sykes said.

“The unit’s design also reduces the environmental impact of the copper concentrate as the lid is on the container at all times except when being unloaded inside the ship’s hull. Dust suppressors are also in place to ensure there is no contamination.”

SCF Group has designed 450 of the specially designed environmentally friendly containers for Hillgrove which are 20 foot half height open top units.

“We certainly have an edge over our competitors to design and deliver a container of this calibre within a short period of time. This was only made possible due to our experienced team including sourcing the expertise of in-house engineers,” Mr Sykes said.

“There are many key features to consider when dealing with sticky products like copper concentrate including the use of special anti-corrosion non-stick paint. The internal hopper of the container has also been designed to reduce product hang up by using a five degree slope with no sharp corners or cross members.”

For further enquiries about SCF Group containers, please contact Business Development Manager Matthew Hancock on 0409 387 998. [scfgroup.com.au](http://scfgroup.com.au)

## **New Year marks end of dirty trucks at LA**

*02 Jan 2012 – Greenport E-news*



### **100% of containers in and out of Port Terminals now hauled by clean trucks in L.A.**

From the 1 January 2012, every local short-haul or drayage truck calling at the Port of Los Angeles will meet the strictest clean air and safety standards of any major port in the world.

New Year's Day 2012 marked the final milestone of the Clean Truck Program (CTP), the port's unprecedented initiative that has succeeded in slashing harmful diesel particulate emissions from trucks serving the San Pedro Bay Ports by 89% in about three years.

As a result of the progressive ban adopted in 2006 and enacted in 2008, 1,473 of the current drayage fleet of 11,772 trucks which were serving the Port of Los Angeles have now retired from port service as from 1 January. That date marked the final leg of a phased in programme to replace all dirty heavy duty drayage trucks serving the port with rigs whose engines meet or exceed 2007 standards.

The CTP has been a crucial component of the 2006 Clear Air Action Plan (CAAP), an ambitious, ground-breaking environmental undertaking that sought to cut pollution 45% from all port related sources – ships, trains, trucks, harbour craft and off-road equipment – by the end of 2011.

The port is working toward a commercially feasible zero emission truck that can be operated in full duty cycles in port operations to ensure clean air benefits continue to grow. The zero emissions truck demonstration project is an integral part of the future of port trucking, which reaffirms the port's ongoing commitment to clean air and sets new short term and long term goals for further reduction of related air pollution.

## **Solveit Software Is Wining and Mining**

WHEN SolveIT Software wants to recruit high-end talent these days, it has to rely on magic.

The Adelaide software company's artificial intelligence products are so complex that the usual methods of recruitment won't suffice. So the company late last year launched a global competition, with a \$5000 prize, to solve the magic square problem.

A magic square is one in which the numbers in all rows and columns add up to the same number. The winner, Yuri Bykov from the University of Nottingham, developed a program which solved a constrained version of a 2600 by 2600 magic square within a minute.

It was orders of magnitude more complex than the solutions provided by the runners up, who, according to SolveIT managing director Matthew Michalewicz, were also exceptional. Luckily SolveIT doesn't have to go to such extreme methods to recruit all of its staff.

The company, which employs about 100 people at the moment, has 30 vacancies and is forecasting

expansion to about 200 by late this year. The business's foundations are built on three of South Australia's key sectors: Wine, grain handling and mining.

But that is not to say the company is inherently South Australian. All of the four founders, including Mr Michalewicz's father, Zbigniew, hail from overseas.

Mr Michalewicz is a serial entrepreneur who launched his first business when he was 18. He later worked as a management consultant for Ernst & Young before starting NuTech, a hi-tech company that grew to more than 150 employees and six international offices in only four years. He set up the business in 2004 after moving to Adelaide with his family, but was surprised at the negative response he received initially.

"The thing that really struck me was negativity," he said. "Why did you come here? You'll never succeed in Adelaide, old boys network etc.

"But I love the place, I love it as much as the day I arrived... and in the light of that backdrop all of those predictions were false."

The business is built on optimisation software in simple terms the company helps businesses manage anything complex, from wine and mining production and supply chains to currency hedging, using artificial intelligence.

"You can optimise any decision-making process," Mr Michalewicz said. But AI comes into its own when things are particularly tricky."

"It was very early in the piece when we came across some wineries and some manufacturing companies. Wine in particular is very complex. You've got to predict when the wine will mature, you've got to schedule transport, harvesters, crushers, then you've got a phenomenal blending process... changes in the quality of grapes and tonnes and then demand. It's complex and where you have complexity that's when advanced optimisation is perfectly suited."

The company found work with Orlando Wines early on, and then Foster's as well as some more traditional manufacturing. The company's foray into mining was what took it from a steady to a rapid growth profile however.

"Four years ago our big break came when Rio Tinto Iron Ore found us through the website and said they were looking for an artificial intelligence company to look at optimisation around mining. We'd never done mining but we did a presentation around the wine supply chain."

There were remarkable similarities between the two, with quality variation, logistics, blending and demand issues also key to the business. Rio had developed a test for software companies to see if they could improve operations at its mines in the Pilbara.

Rio had given the test to seven companies over 10 years and all had failed.

"It was a six month project and we succeeded."

Mr Michalewicz said it was probably the toughest project the company had ever done.

"Rio started to mobilise around this product. That became a trigger for us getting active in mining."

A contract with BMA Coal followed.

"That tender changed everything for us...it's one of the world's biggest coal chains.

"A few months later we won BHP Iron Ore, then Xstrata Copper, then Xstrata Zinc then Xstrata Coal, then Fortescue tendered and we won that tender. It created a domino effect. It wasn't planned."

The company had about 30 staff when it won the BMA contract. It has 100 now with 30 vacancies.

"The forecast is that this time next year we will be 200-plus."

In June the company is going to open an office in San Francisco, while Adelaide will remain the hub

for technical development.

"I feel real great about all of these people," Mr Michalewicz said.

"They're graduates of Adelaide University and UniSA and they're working with the largest miners on the planet in things that the miners tell us have never been done before, that's exciting for everyone here."

(Source [www.adelaidenow.com.au](http://www.adelaidenow.com.au) )

Come to the ICHCA International Conference in May 2012 to find out more.



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## ICHCA International Biennial Conference Update



**GLOBAL CARGO LOGISTICS THE 2020 VISION**

[www.ichca.com](http://www.ichca.com)

**ICHCA INTERNATIONAL 2012 BIENNIAL CONFERENCE AND EXHIBITION**

**MELBOURNE, AUSTRALIA 8TH-11TH MAY**

8TH-9TH MAY: CONFERENCE & BOUTIQUE EXHIBITION - 10TH MAY: ICHCA INTERNATIONAL SAFETY PANEL INTERNATIONAL SECURITY PANEL AND ENVIRONMENTAL SUB-GROUP - 11TH MAY: HALF DAY INDUSTRY TOUR

The ICHCA International Biennial Conference has strong sponsorship support and an excellent line up of expert speakers from a wide number of countries including:



Australia



India



Ghana



South Africa



Mozambique



Japan



China



United Kingdom



U.S.A

Speakers will present on their global logistics vision for 2020 over two days (8<sup>th</sup> & 9<sup>th</sup> May) followed by the ISP day involving updates and discussions from the ICHCA International Safety Panel / Security Panel and Environmental Sub Group (10<sup>th</sup> May ). There is also a Gala Dinner on 8<sup>th</sup> May 2012. On the last day (11th May) there is a ½ day morning Industry Tour visiting Melbourne International Airport, the Patrick intermodal facilities at Swanson Dock and the Port of Melbourne.

Strong support from sponsors makes the event highly affordable. An ICHCA Member Early Bird three day conference and Gala dinner ticket only costs AUD\$990 including GST.

The line up of speakers from Australia and overseas is excellent and speakers will be addressing topics including

<b>GOVERNMENT FREIGHT POLICY</b> <b>BIOSECURITY PARTNERSHIPS</b> <b>AUSTRALIA'S FREIGHT FUTURE</b> <b>FUTURE PROOFING FREIGHT</b> <b>COMBINED SEA-AIR SOLUTIONS</b> <b>INTELLIGENT SUPPLY CHAINS</b> <b>INNOVATIVE SOLUTIONS</b> <b>DIRECTIONS FOR HUB PORTS</b> <b>TOKYO TERMINAL STRATEGIES</b> <b>FLOATING HARBOURS</b> <b>GREENING ROAD FREIGHT</b> <b>PROJECT MANAGEMENT CHALLENGES</b> <b>CURFEWS, SLOTS AND SCHEDULING</b>	<b>THE TSUNAMI IMPACT ON PORTS AND GLOBAL LOGISTICS</b> <b>THE GLOBAL ECONOMY</b> <b>INTEGRATED INVESTMENT</b> <b>GLOBAL SHIPPING DEVELOPMENTS</b> <b>VESSEL SIZES AND THEIR IMPACTS</b> <b>GLOBAL SUPPLY CHAIN STRATEGIES</b> <b>LANDSIDE CONNECTION STRATEGIES</b> <b>PORTS AND TERMINAL DEVELOPMENTS – BULK &amp; NON-BULK</b> <b>DEVELOPING RAIL SERVICES</b> <b>DEVELOPING, PLANNING AND REGULATING AIRPORTS AND HEAVY LIFT AIRFREIGHT</b>
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For all the facts click here [ICHCA International 2012 Biennial Conference and Exhibition](#) or email [Ian Lovell](#), Conference Coordinator for further information.

Conference registrations at early bird rates are open so [register now](#).

## About Our International Conference Sponsors

In this issue we continue our series about individual Conference Sponsors and Supporters, namely:

- LINC
- AsiaWorld Group
- Ruslan International
- MariTrade
- North Queensland Bulk Ports Corporation
- The Institute for Supply Chain Logistics
- Wave Systems
- Port Kembla Port Corporation
- Clark Equipment



### **National Centre promotes careers in Transport and Logistics**

The Logistics Information Navigation Centre (LINC) website, initially established in 2006 for South Australia, is now a national resource supported by all States in Australia.

In 2011 the Hon. Patrick Conlon MP, South Australian Minister for Transport and Infrastructure, relaunched the redeveloped LINC website as a national resource with freight councils, industry and governments across Australia supporting the initiative.

The LINC website is a unique web portal that links users to a wide variety of information and resources in the Transport & Logistics (T&L) industry.

LINC is a 'One-Stop-Shop' for finding national and state specific T&L industry facts and links to information in areas including Statistics, Regulations, Maps and Sustainability & Community initiatives within the industry.

It is also a comprehensive resource for jobseekers, students and graduates to explore career options in the Transport and Logistics Industry, across all modes – road, rail, sea and air - as well as in warehousing and the service industries.

The LINC careers section provides information about many different careers in Transport and Logistics – from rail track worker to ships master and supply chain specialist. The website contains over 70 specific career briefs Career Briefs providing specialist information on roles, possible career pathways, education and training requirements and pay rates. Jobseekers can use the Interactive Career Pathway builder tool to map their entire projected career pathway.

Information about exciting, well paid opportunities in the Transport and Logistics Industry can be accessed at

<http://www.the-linc.com.au>

- ❖ *In 2007, the Australian Logistics Council released a report Contribution of Transport & Logistics to The Economy, which cited the total contribution of Transport and Logistics to the Australian economy in 2004/05 as 14.5%. The contribution is broken down into components, namely: The Hire and Reward Sector – including line haul freight transport, and logistics and storage – which is estimated to contribute 6.2% of GDP and The Ancillary T&L – including internal transport operations within other areas of the business sector.*



Based in Sydney, Asiaworld is an Australia wide shipping services company, specializing in ship and liner agency mostly involving bulk and breakbulk cargoes, including heavy lift projects, but with some interests also in container shipping.

Asiaworld has other divisions covering ship chartering, ship sale and purchase specializing in smaller vessels including tugs, fast ferries and offshore supply tonnage.

A wholly owned subsidiary Nordiko Quarantine Systems has come to international attention with its process and equipment for recapturing and destroying fumigant gas in quarantine and pre-shipment treatments. This project has been developing for some 11 years and is now being widely adopted in Australia and in some overseas countries.

For further information <http://www.asiaworld.com.au/>



## RUSLAN International

### About US

In July 2006, Antonov Airlines and Volga-Dnepr Airlines put their heads together to form 'Ruslan International' - the heavy air cargo charter specialists.

Now offering a combined fleet of 17 Antonov An124-100 aircraft and twice the expertise in technical, commercial and operational solutions, Ruslan International is capable of rising to any outsize or heavy air cargo challenge.

So, whatever your outsize or heavy air cargo charter needs, we're here to help. After all, two heads are better than one.

### **Our Activities**

Operations : Flight-watch, permit applications and the scheduling of both fleets.

Commercial: Charter enquiries, price negotiations and contracts.

Customer Service: After-sales coordination of all flights.

Load Planning: Pre-flight cargo preparation and planning.

Route Planning: Flight routing and flight planning procedures.

### **CONTACT US**

Steve Harvey, Sales Manager Europe Endeavour House, Coopers End Road, London Stansted Airport CM24 1AL

Phone number +44 1279 682100 Fax number +44 1279 681139

Mobile No +44 7786 072526 E-mail [steveh@ruslanint.com](mailto:steveh@ruslanint.com)



*MariTrade*

Established in 1982 to provide ship and port investment analysis and market research for the maritime industry, MariTrade now provides international air and sea freight statistics to airlines, ports, airports and shipping companies. The consulting arm specialises in port and shipping investment advice.

MariTrade established a fast ferry service in the UK and is actively promoting investment in Australian coastal shipping.

More detail is available on [www.maritrade.com.au](http://www.maritrade.com.au)

Contact: MariTrade, PO Box 519, Mosman NSW 2088, Australia

[t] +612 9960 1422

[e] [maritrade@maritrade.com.au](mailto:maritrade@maritrade.com.au)



## **ABOUT NORTH QUEENSLAND BULK PORTS CORPORATION LIMITED:**

North Queensland Bulk Ports Corporation Limited (NQBP) is one of Australia's largest port authorities by tonnage throughput, with more than half of Queensland's trade, by tonnage, passing through one of our four ports.

NQBP is the port authority for the seaport facilities at Hay Point, Mackay, Abbot Point and Weipa. The corporation is responsible for: strategic port planning; port business development; infrastructure development; environmental management; security and safety; efficiency; providing navigable port depths; and issuing licences, leases and permits for use of port land.

We are progressing our vision for 2020 and beyond through a number of significant projects to meet the increasing global demand for Queensland coal.

The massive X50 Expansion of Abbot Point Coal Terminal 1 (T1) reached practical completion in the first half of 2011. The project – the largest government-funded port expansion ever undertaken in Queensland - will be followed by a further \$6.2 billion expansion, with four terminals to add 120 million tonnes to the port's capacity. The expansion will make Abbot Point one of the largest coal terminals in the world. Construction is expected to start in 2015, with exports starting from Terminal 4 (T4) in 2017.

While coal plays a significant role at NQBP's ports, it is not the whole story. We are continuing to look beyond coal to assist in the economic development of the state's north with projects such as the Multi Cargo Facility at Abbot Point.

To find out more about North Queensland Bulk Ports Corporation Limited, visit [www.nqbp.com.au](http://www.nqbp.com.au), or phone 1300 129 255.



Access to the right expertise can directly impact on supply chain performance.

The Institute for Supply Chain and Logistics has the capability and the experience to meet industry needs and enhance business outcomes.

## THE INSTITUTE FOR SUPPLY CHAIN AND LOGISTICS

Since 2009, the Institute for Supply Chain and Logistics at Victoria University (ISCL) has been providing dedicated freight and supply chain expertise to both the public and private sectors, focused on independent, objective advice to deliver tailored, value-driven outcomes to industry.

The Institute can now demonstrate its ability to deliver high quality, customised research and education services across a range of supply chain issues including:

- The delivery of accredited courses on and off campus for clients throughout Australia
- The delivery of award-winning research measuring and analysing supply chains, at local, regional and national levels
- The delivery of workshops and training facilitating the establishment of supply chain collaboration throughout the Asia Pacific region and globally.
- The production of world-class academic research, recognised through the national research evaluation process.

The Institute's reputation for the delivery of objective, independent and relevant industry research has led to the ISCL now being sought after as an adviser on supply chain issues by organisations and government authorities across Australia.

**Contact:**

Institute for Supply Chain and Logistics  
Victoria University  
213 Nicholson St, Footscray, Victoria 3011  
PO Box 14428, MELBOURNE  
VIC 8001 Australia  
E [iscl@vu.edu.au](mailto:iscl@vu.edu.au)  
T +61 3 9919 6252  
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W [vu.edu.au/iscl](http://vu.edu.au/iscl)



**Who We Are**

Wave Systems is an Australian company which specialises in the Development of Transport & Logistics management software. We pride ourselves on our state-of-the-art products, outstanding customer service, timely product delivery and exceptional ongoing relationships with our clients.

Wave Systems is headquartered in Australia with established regional offices in Asia and Europe and partner companies in India and Cambodia.

**What We Do**

Our company specialises in the development and customisation of Software Systems for the Transportation and Maritime Logistics Industries. Our systems cater for the operational needs of Marine Terminals, Empty Container Parks, Rail Operators & Terminals, Transport companies and Warehousing & Distribution centres.

Our software is entirely scalable and is capable of supporting small to large operations with the most complex operational requirements.

**What can we do for you?**

Wave Systems provides cost-effective, tailored solutions to your logistics challenges. Our systems are designed to be fully-integrated with your equipment, peripherals and 3<sup>rd</sup> Party software in order to boost efficiency and accuracy across your operation.

Our 4 core products are available off-the-shelf with the option to customise any aspect for a "perfect fit". Our team of developers continues to develop all applications, ensuring that your logistics management system will grow with you.



Wave Systems is an ISO Certified Company, operating a Quality Management System which complies with the requirements of ISO 9001:2008 for the scope of **Development, Implementation and Support of Maritime, Transportation and Logistics Software**





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## PKPC Overview – November 2011

### PORT KEMBLA

The port of Port Kembla was established in the late 1890's to facilitate the export of coal from the mines of the Illawarra region. Since that time it has rapidly grown to accommodate both the expansion of traditional industries along with the development of new ones.

The diverse commodity base of the port reflects the growth of the region and the port's capability to service the growing needs of its customers. Historically the port has serviced the needs of regional industries, predominantly coal (export) and steel (import of raw materials and export of steel products).

Having undertaken a major expansion in the last few years, the port has seen a diversification of its trade base to include general and break bulk cargoes, containers and motor vehicle imports. This development, has allowed the port to become the largest vehicle importing hub in Australia. It is also the principal grain export port for producers in Southern and South-Western NSW.

The ports capability continues to expand not only in the handling of a variety of bulk products but also in cargoes of various sizes, weights, and dimensions. With its heavy duty Ro-Ro ramp and two general cargo berths the port is able to cater for the largest and deepest vessels on the east coast and the needs of our customers from containers to bulk cargoes and all varieties in between.

### THE FUTURE

The Outer Harbour at Port Kembla is being developed to provide additional land and berthing facilities to cater for expected trade growth into the future. The development will proceed in a staged fashion based on port user requirements and is anticipated to take 25-30 years to complete.

In August 2011, the Minister for Ports and Roads officiated at the formal commencement of construction for the expansion of Port Kembla's Outer Harbour. This first stage of development will cater for the needs of two new customers who seek to access the site in early 2012.

The development (in the long term) allows for the reclamation of approximately forty two (42) hectares of land and the construction of seven (7) new berths to accommodate new port customers.

This proposed development has the potential to not only address the needs of new industry, but to cater for growth of existing trades long into the future



Clark Equipment offers a comprehensive range of equipment suited to applications of any scale, including warehousing and logistics, heavy industry, and ports and infrastructure.

**Clark Equipment brings the Big Names in Big Equipment to the construction, infrastructure, agriculture, mining, materials handling and logistics industries in Australia's economy.**

**Clark Equipment is a BRW Top 500 Australian Private Company, with annual sales in excess of \$200m, \$120m in assets employed, 20% CAGR, over 430 employees and operating 2 manufacturing locations and 20 sales locations around Australia and New Zealand.**

**As an equipment designer, manufacturer and distributor, we know the equipment.**

**Our award-winning, customer-driven distribution provides the sales, service, support, financing and rental options to make it work.**

## Industry Segments



**Construction  
Equipment**



**Materials Handling  
Equipment**



**Agriculture and  
Farming**



**Clark Equipment ■ Construction ■ Infrastructure ■ Agriculture  
■ Mining ■ Materials Handling and Logistics ■ Make it happen**





## OMEGA Heavy Forklifts

Australian designed & manufactured

Heavy forklift model range extends from 16t – 50t capacities

Primary markets include steel mills, transport yards, concrete plants and any other heavy materials handling application

Clark Equipment ■ Construction ■ Infrastructure ■ Agriculture  
■ Mining ■ Materials Handling and Logistics ■ Make it happen



## OMEGA

### Container Handlers

Australian designed & manufactured

Empty container capacity up to 7 high; loaded container capacity up to 5 high.

Primary markets are container handling applications

Clark Equipment ■ Construction ■ Infrastructure ■ Agriculture  
■ Mining ■ Materials Handling and Logistics ■ Make it happen



## OMEGA Reach Stacker

Australian designed & manufactured

Range can handle up to 45T and reach three rows deep

Principle markets are port facilities, container yards and transport applications

Clark Equipment ■ Construction ■ Infrastructure ■ Agriculture  
■ Mining ■ Materials Handling and Logistics ■ Make it happen





## Straddle Carriers

Manufactured in Europe  
Maximum speed up to 30km/h; maximum lift capacity up to 60t  
Principle markets are port facilities and container yards



## Terminal Tractors

European Design

Range includes 4x2 models with capacities of 90t and 140t, and 4x4 model with 150t capacity

Principle markets are distribution centres, ports, container yards or other heavy transportation facility



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• Mining • Materials Handling and Logistics • Make it happen



## Harbour Cranes

Manufactured in Europe

Three models available

Lift capacities up to 200t, with radius of up to 56m

Principle markets are port facilities and container yards



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• Mining • Materials Handling and Logistics • Make it happen



Contact: Andrew Vezos, Clark Equipment Sales at [Andrew.Vezos@clarkequipment.com](mailto:Andrew.Vezos@clarkequipment.com) web: [www.clarkequipment.com](http://www.clarkequipment.com)

## Conferences & Events

2012

February

### Australasian Ports & Harbours Congress

On 21-23 February 2012 at Stamford Plaza, Brisbane. Visit <http://www.terrapinn.com/2012/ports-and-harbours/>

**ICHCA Members receive 15% discount.**

**Integrated Planning and Optimisation Summit** on 27 - 28 February, 2012 at the Adelaide Convention Centre at [www.IPOS2012.com](http://www.IPOS2012.com)  
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May 2012

**ICHCA International Biennial Conference 2012** in Melbourne May 8-11, 2012.  
Details of the conference are available from Mr Ian Lovell on 0400 708 182 or at [ian.lovell@bigpond.com](mailto:ian.lovell@bigpond.com).

ICHCA International Limited is a supporting organisation for Transport Events Management events which are listed on the ICHCA International website [www.ichcainternational.co.uk/events](http://www.ichcainternational.co.uk/events).

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## **ICHCA Australia Limited (IAL) Privacy Policy**

IAL's Privacy Policy Details are available by contacting the National Secretary, Ian Lovell, on e-mail [ian.lovell@bigpond.com](mailto:ian.lovell@bigpond.com) or telephone 0400 708 182.

### **Our Contact with You**

If you do not wish to receive further copies of this newsletter please advise [ian.lovell@bigpond.com](mailto:ian.lovell@bigpond.com) and the distribution will be cancelled. If you wish to have it sent to other people in your organisation or contacts in the cargo handling industry also please advise us.