

## Major fabricators join forces to catch the wind

*Two major Australian fabricators have joined forces to construct wind towers for Waubra Wind Farm near Ballarat in Victoria.*

Acciona Energy, which lays claim to being the world's largest wind farm developer and builder, commissioned Victorian-based Keppel Prince Engineering and Tasmanian-based Haywards Steel Fabrication and Construction to fabricate 62 towers (31 each) for Stage 1 of the project at Waubra, 35 kilometres north-west of Ballarat.

"Sharing contracts allows us to be competitive on a global scale, and keep work in Australia," Haywards Managing Director Steve Edmunds said. "Working together on this project means we have open lines of communication, particularly for technical queries.

"We receive the same drawings so if there's a welding issue we will let each other know, and work together with Acciona Energy to resolve it."

The drawings have been finalised through Acciona Energy's head office in Spain, with each tower being 69.5 metres high, 4.3 metres in diameter at the bottom, and 2.35 metres in diameter at the top.

"We will fabricate the tower structures, and fit them out with electrical cables, switchboards and technology products supplied by Acciona Energy," Keppel Prince Engineering Managing Director Steve Garner said. "The towers will also have a one-man lift instead of stairs."



*A wind tower for Woolnorth Studland Bay wind farm at one of Haywards' workshops.*

Keppel Prince Engineering ordered 3100 tonnes of XLERPLATE® steel through Smorgon Steel, and was scheduled to start fabrication in late September 2007.

Keppel Prince Engineering and Haywards have planned to complete two wind towers a week.

"We'll have up to 45 workers involved in the project," Haywards' Steve Edmunds said. "We're ordering a modified Grade 350 XLERPLATE® steel through OneSteel that will be supplied according to our rate of production.

"A staggered steel supply is essential for a project of this size, and a major advantage of ordering quality, Australian-made steel," Mr Edmunds said.

Keppel Prince Engineering's Steve Garner said BlueScope Steel was also competitively priced.

"If we bought overseas steel, we'd have to pay a lump sum upfront, but ordering local steel allows payments to coincide with deliveries," he said.

Keppel Prince Engineering has been awarded the logistics and erection contract, with erection work expected to start in January 2008 and finish later in the year.

"This is a great opportunity for us because it's our first major erection package," Mr Garner said. "We're aiming to erect three wind towers a week, and each will be delivered to site in three sections."

Final arrangements are being made for Stage 2 of Waubra Wind Farm.

When complete, the total project will consist of 128 wind turbines with a generation capacity of 192 megawatts, and will be the largest of Acciona Energy's 164 wind farms around the world.

# BlueScope announces new CEO

**BlueScope Steel's Chief Financial Officer Paul O'Malley will succeed Kirby Adams as Managing Director and CEO, effective 1 November 2007.**

As part of this transition, Mr O'Malley will join BlueScope Steel's board of directors.

Mr O'Malley joined BlueScope Steel as CFO in December 2005, and has been responsible for leading the company's finance and IT functions including mergers and acquisitions, treasury, tax, audit, and investor relations.

Mr O'Malley was formerly CEO of TXU Energy, a subsidiary of TXU Corp based in Dallas, Texas. He has held other senior management roles within TXU including Senior Vice-President and Principal Financial Officer of TXU Energy, and CFO of TXU Australia.

Before this, he worked in investment banking and consulting.

Born in Dubbo, New South Wales, Mr O'Malley (43) holds a Bachelor of Commerce and Master of Applied Finance.

BlueScope Steel Chairman Graham Kraehe said: "Paul O'Malley is an experienced global executive who has demonstrated a strong track record of delivering results in both operating and



**BlueScope Steel Chairman Graham Kraehe (left) congratulates Paul O'Malley with outgoing CEO Kirby Adams on right.**

finance roles. He will refine the strategies necessary to continue the Company's impressive business growth. He will further develop our markets and customer relationships while maintaining the world class manufacturing and safety performance that is a hallmark of BlueScope Steel."

In commenting on his new role, Mr O'Malley said: "I'm delighted to be offered the chance to lead BlueScope Steel as it enters a new phase of growth. The Company has a world-class reputation in safety, operational performance, and financial achievement. This is driven by the dedication and capability of its people.

"It is an exciting time to be part of this terrific organisation and I am looking forward to working with BlueScope Steel's 18,000 employees across the globe who make it all happen. I see BlueScope Steel as an Australian and global success story with the benefit of great diversity in its products, markets, geography and people."

Mr Kraehe complimented outgoing CEO Mr Kirby Adams, who gave the Company more than one year's notice. "Kirby Adams will leave the company in excellent shape," he said.

"Kirby has been CEO of the business for more than seven years, and Managing Director and CEO of BlueScope Steel as a publicly listed company for more than five years. Over this time, the company has delivered strong shareholder returns and has transformed from an Australian steel manufacturer into a provider of global steel building products and solutions."

Mr Adams said: "When I depart, Paul will be a great successor. I am particularly pleased the Board has chosen a new CEO from within the ranks of our very strong Executive Leadership Team. I will work with Paul and others to ensure an orderly handover when this takes effect."



**Bozo and Alexander Puljic in Building the Future ad.**



**Alexander admiring a frame made from TRUECORE® steel.**



**Wind towers made from XLERPLATE® steel.**



**Saving Water ad focuses on water management.**



**Educating primary school children on saving water.**



**The launch of the Tank-A-Day Challenge for schools.**

## New BlueScope TV commercials

**BlueScope Steel has launched two new television commercials, Building the Future and Saving Water, in a corporate advertising campaign demonstrating the company's commitment to a sustainable future.**

Retaining the successful Get Rhythm soundtrack and re-recorded with children's voices,

these commercials take a child's-eye view of steel's role in delivering sustainable product solutions in a number of contemporary situations.

The *Building the Future* ad has a strong human connection to Port Kembla Steelworks as it features father and son combination, Bozo and Alexander Puljic. Seven-year-old Alexander stars in the ad, and his father Bozo (pronounced

Borjo) has had a career spanning 27 years with BlueScope Steel.

The advertisements feature a number of BlueScope's successful product brands, and highlight the advantages of steel-based solutions.

They can be viewed online at [www.bluescopesteel.com/go/news-and-media/advertisements](http://www.bluescopesteel.com/go/news-and-media/advertisements)

# Testing delivers guaranteed results

*The ability to test the flexibility of steel is allowing architects and designers to specify roofs that are anything but flat.*

BlueScope Lysaght Technology's universal test rig (pictured) allows them to test and certify various roof profiles confidently when specifying convex or concave curves – or a combination of both.

The laboratory is accredited by NATA (National Association of Testing Authorities) and the entire facility has secured ISO9001 quality assurance certification.

Lysaght Technology is audited annually and demonstrates incremental improvements to retain this certification.

"New additions to our testing equipment mean we can provide even more precise information about the performance of BlueScope Lysaght products," Campbell Seccombe, Vice-President Technology at BlueScope Lysaght Technology said.



"Our ability to issue performance guarantees is a key differentiator between BlueScope Lysaght and other steel brands on the market. Our testing methodology is highly regarded in industrial and academic circles."

The Australian Building Codes Board has

also issued guidelines – based on BlueScope Lysaght Technology's methodology – on how framing software should be evaluated.

BlueScope Buildings China also has used extensive product testing to convince statutory authorities in that country to allow building codes that include cold-rolled high-tensile steel.

"This has opened up an enormous new market for BlueScope Steel products," Mr Seccombe said. "This opportunity became a reality partially through our rigorous testing program."

"Some people think from the outset they can't afford testing. However, the truth is that testing

costs can be offset against the value of the work or orders on offer.

"While the testing program for China wasn't cheap, the prize was gaining access to a market of a billion potential customers!"

# Steel stands the heat

*Being proven right is a great feeling, especially when your house is saved in a bushfire.*

For Western Australia's leading builder Dale Alcock it's an even better feeling, as he explains the relief he and his wife Jan felt when their Dwellingup weekender survived February's devastating bushfires.

Mr Alcock is founder of Dale Alcock Homes and director of the state's leading building group, the Alcock Brown-Neaves Group.

The steel-framed, three-bedroom retreat, clad in ZINCALUME® steel, remained practically unscathed when eight other nearby buildings were destroyed by the three-day bushfire that raged through the area.

The deck, the only exposed timber surface, was fortunately sheltered by the bulk of the structure.

The sole damage was to electrical and plumbing cabling beneath the house, the only area not protected by steel. Mr Alcock has since remedied this with additional sheeting made from ZINCALUME® steel.

The Alcocks built the weekender between Pinjarra and Dwellingup south-east of Perth 10 years ago, and it has become a favourite retreat. Although the area has experienced a number of bushfires, the February blaze was the worst for years.

"The West Australian environment can be



| Steel standing after blaze.

punishing on buildings, so everything we make needs to be durable," Mr Alcock said. "Nothing makes that more obvious than when fire sweeps through an area causing enormous damage."

"Whether it's the sun, rain, wind or bushfires, there's always something you need to protect against."

"Our weekender, being steel-clad, survived the fires on its own with no help from anyone. Obviously we were thrilled."

Mr Alcock believes other steel products

can also play a part in reducing the overall amount of combustible material in a home.

"The steel roof and walls of my house were obviously the primary barrier, but steel frames offer additional protection – in this instance from burning embers," he said.

House frames made from TRUECORE® steel also offer other benefits to West Australian homeowners. They can't be eaten by European borers and white ants, and won't rot, warp or twist over time. They're also quick and easy to erect.



| BlueScope Steel team (from left) Todd Bryers, Matt Hennessy, Michael Reay, James Cummins, Bernie Landy, Wendy Boland, Stan Clark, John Dryden.

## BlueScope Steel supports Manufacturing Endeavours

*The 4th Annual Manufacturers' Monthly Endeavour Awards recognised the elite of Australia's manufacturing industry in Sydney in early August – and Melbourne-based company Production Parts emerged with the coveted 2007 Manufacturer of the Year award.*

It also won the Exporter of the Year Award and was the first winner of the newly established Global Integration Award.

The family-owned engineering company joined a record 55 finalists – the largest field ever – at a gala breakfast held at the Darling Harbour venue. The turnout accurately reflected the strength and diversity of Australia's manufacturing industry, according to *Manufacturers' Monthly* editor Alan Johnson.

The overall awards program was sponsored by BlueScope Steel's STEEL BY™ Brand Partnership Program, which also sponsored the 2006 awards. Bernie Landy, BlueScope Steel's Vice-President Strategic Accounts & Marketing, Australian and New Zealand Industrial Markets, was on hand to award and congratulate Production Parts.

It was one of the first Australian companies to win, complete and deliver a contract for the new Joint Strike Fighter F135 jet. It was awarded further manufacturing work in conjunction with Pratt & Whitney for critical components for the F135 propulsion system.



| Bernie Landy congratulates Production Parts' Ashley Nicholls.

The potential value of the contract, expected to run for 20 years, is more than \$US60 million.

Production Parts Company Director Ashley Nicholls said he was "surprised and delighted" at winning the highest accolade.

"I was very excited at the result, especially as we were joined by a list of very impressive companies," he said. "As a small-to-medium enterprise (SME) it is difficult to break into the global marketplace, but we were able to do this by demonstrating we could provide the service our customers needed and expected."

GM Holden Executive Director of Manufacturing Rod Keane, this year's keynote speaker, highlighted the importance of people and innovation in manufacturing.

"We have a huge reservoir of creativity in this country, with a highly innovative and skilled workforce," he said. "These factors will continue to make Australia highly competitive worldwide."

This year's judging panel included Dr John Blakemore, President of ManSA (Manufacturing Society of Australia); Dr Ivan Cole, Deputy Chief of CSIRO Manufacturing and Materials Technology Division; Mark Goodsell, NSW Director of the Australian Industry Group (AIG); Pauline Hart, Associate Director of TAFE NSW; Derek Lark, Executive Director of the Industry Capability Network (ICN); and *Manufacturers' Monthly* editor Alan Johnson.

"The Endeavour Awards are an opportunity to highlight the passion and commitment in our industry, and demonstrate that Australian manufacturing is alive and well," Mr Johnson said.

Mr Landy said: "BlueScope Steel is proud to support manufacturing excellence across the board by sponsoring events such as the Endeavour Awards, which reinforce the depth of Australian manufacturing excellence."

This year's awards category sponsors included Intercad, Atlas Copco, SICK, EFIC, Seiko, Advance Metal Products, ICN and Skilled.

# World-first dragline for Bucyrus Australia

*Bucyrus Australia has secured a 23-month contract from Anglo Coal Australia to supply the first fully AC (alternating current) conventional drive dragline built by the company.*

The huge Bucyrus 8750AC walking dragline weighs in at 5600 tonnes.

"Latest technology is critical for a machine that has a working life of more than 30 years," Sales and Marketing Manager Larry Slattery said. "We won the contract because the AC drive system in the Bucyrus 8750AC will make the dragline more productive, less expensive to operate, quieter and easier to maintain."

Bucyrus International and its partner Siemens Energy and Automation pioneered AC drive systems almost 30 years ago, and the systems have become preferred technology for heavy surface-mining equipment.

The Bucyrus 8750AC has been commissioned for Anglo Coal Australia's Lake Lindsay Project in Central Queensland near Middlemount, and is expected to start working in August 2008.

The dragline's bucket will have the capacity to remove 168 tonnes of overburden. Its combined drive systems for the hoist, drag, swing and walking motions will have more than 37,500 applied horsepower.

Work started on the walking dragline in September 2006. The design, fabrication and



| Bucyrus 8750AC walking dragline.

construction processes are being done simultaneously because of the machine's size.

"Bucyrus International is doing the design drawings, and the majority of fabrication work is being done at our Brisbane supplier workshops, with fabricators in Gladstone and Mackay assisting on the project," Manager of Special Projects Geoff Hoffman said.

"We are working to a strict timetable, scheduling various parts of the machine – involving steel sections, forgings, and castings – to allow us to fabricate offsite, then deliver and assemble those parts on-site."

The project is expected to involve about 3500 tonnes of XLERPLATE® steel, supplied by distributor OneSteel.

"The project's scale and deadlines mean we rely on our close working relationships with BlueScope Steel and OneSteel to ensure XLERPLATE® steel can be delivered to multiple fabricators at specific times," Mr Hoffman said.

"The surface finish and material properties of XLERPLATE® steel are always consistently high, and we can rely on flexibility of supply, which is critical for structural steel work, mechanical components and replacement parts.

"The quality of BlueScope Steel products is second to none – the manufacturing processes always meet our specific test requirements."

There are more than 70 Bucyrus draglines operating in Australia, with Bucyrus Australia designing and manufacturing the second largest dragline in the world, the 6745-tonne Bucyrus 8750, for Ensham Resources last year.

"The boom length of Anglo Coal Australia's dragline will be the same, but the bucket's lifting capacity will be less," Mr Hoffman said.

Bucyrus Australia Service, Engineering and Parts will provide ongoing machine support through its regional headquarters in Mackay.

Bucyrus International, which has provided 90 per cent of draglines in use around the world, is the world's leading manufacturer of walking draglines, electric rope shovels and rotary blast-hole drills.

## Changing industrial tyres safely

*A new piece of equipment, designed and manufactured in Australia, is enabling mining industry operators to safely and efficiently change large haul truck tyres in the field.*

The Omega Tyre Handler from Clark Equipment Australia Pty Ltd can safely change tyres ranging from 1.5 metres to 3.9 metres in diameter, and weighing up to eight tonnes each.

"We developed the tyre handler as a result of serious accidents in the mining industry," General Manager of the Clark Equipment Manufacturing Business Unit Chris Hancox said. "As a result, it meets specific, stringent safety procedures."

Made from XLERPLATE® steel, the Omega Tyre Handler is based on the chassis of Omega's 16-tonne fork truck.

The unit limits workers' need to enter the 'restricted zone' between the handler and the tyre needing to be changed, allowing operators to remove and fit large truck tyres from the safety and comfort of an ergonomically designed cab.

"We've had considerable interest from mining companies, and from companies maintaining and operating fleets of large vehicles in the resources sector," Mr Hancox said.



The Omega Tyre Handler, made from Grades 250, 350 and 400 XLERPLATE® steel in thicknesses ranging from 5mm to 160mm, is one of a number of local product innovations from Clark Equipment – a company often associated with small forklift trucks.

The company, which employs more than 100 people, has grown its Omega range to account for 25 per cent of revenue.

Clark Equipment has developed a close relationship with BlueScope Steel because of its requirements for XLERPLATE® steel in various grades and thicknesses. The company has been using BlueScope Steel products for about 50 years.

"Durability and strength are at the heart of everything we manufacture," Mr Hancox said.



| Chris Hancox with handler frame in production.

"We order special plate sections from BlueScope Steel in nine and 10 metre lengths to make the upright rail material in our container handling equipment.

"The ability to source these lengths of specially rolled Grade 400 XLERPLATE® steel saves time and money because we don't have to join shorter sections.

"BlueScope Steel representatives have always helped in solving design problems and ensuring consistent product quality – they work with us when we have processing challenges and assist with our product selection.

"Unlike merchants of imported steel who come and go, BlueScope Steel is always available to offer service and support."

## Export boom a real Furphy

*One of Australia's longest established engineering companies is in the midst of an export boom.*

J. Furphy & Sons of Shepparton, Victoria, has become an Australian engineering legend. Although still family-owned and operated, it has changed radically from the business established by John Furphy in 1864.

The company has evolved to become one of Australia's predominant fabricators of stainless steel and carbon steel vessels and tanks, servicing a range of industry sectors. As well as its core business, it has spent the past 25 years building an international business supplying galvanising kettles, which are critical pieces of processing equipment in the hot-dip galvanising process.



| Kettle being delivered.

Furphy Engineering is Australia's only exporter of galvanising kettles and the predominant supplier in Australia. Recent projects have included the delivery of kettles to Malaysia, Singapore, South Africa, New Zealand and Indonesia.

Uniquely, as well as being a specialist manufacturer of this critical piece of processing equipment, it also owns and operates two galvanising businesses and is a partner in a third.

"Because we are a galvaniser in our own right, we understand other galvanisers' requirements," Executive Director Keiran Cross said. "Galvanising is becoming increasingly accepted as a protective coating system with long-term cost benefits and short-term advantages.

"Occupational health and safety issues associated with painting, for instance, have encouraged some fabricators to switch to galvanising.

"Our growth has been significant because the demand for galvanising services is increasing, despite the high cost of zinc."

South-East Asia and the Middle East continue to be the company's strongest export regions, and it plans to broaden its export spread.

"We have a reputation for quality which allows us to compete successfully against much larger overseas companies," Mr Cross said. "Our workforce has developed unique skills and we have learned from our own galvanising experience."

XLERPLATE® steel in 50mm thickness is the norm for the kettles' fabrication, and up to 65mm is not unusual.

## Rigby Jones switches to specialist support

*Metal cutting and forming company RJE (Rigby Jones) Pty Ltd has supplied, cut and profiled XLERPLATE® steel for a heat recovery steam generator stack at the new Tallawarra Power Station on the shores of Lake Illawarra, south of Wollongong.*

Fabricator Lifese Engineering, a sub-contractor to international company ALSTOM, commissioned the work.

"The Tallawarra power station project involved supplying, cutting, bevel edge preparation, plate rolling and steel section rolling," RJE Pty Ltd General Manager Len De Lellis said.

"We supplied Lifese Engineering with 170 tonnes of Grade 250 XLERPLATE® steel in 8mm to 20mm thicknesses.

"We followed strict quality control processes, identifying each plate to ensure the correct material and parts were processed and delivered."

RJE Pty Ltd, formerly a fabrication company called Rigby Jones Engineering, was acquired by steel merchant and BlueScope Steel distributor Southern Steel Group Pty Ltd in 2000.

RJE Pty Ltd now supports fabricators by supplying, cutting, profiling and developing steel products.



| Tallawarra job stacking up.

"We are completely out of the fabrication business, and are focused on providing specialist services to the fabrication and engineering industry," Mr De Lellis said.

"We work closely with customers to help them save on cost, offering different options to achieve maximum yield from the widest possible range of plate sizes."

RJE Pty Ltd supplies XLERPLATE® steel to customers because of its consistent physical and mechanical properties that make it ideal for forming work.

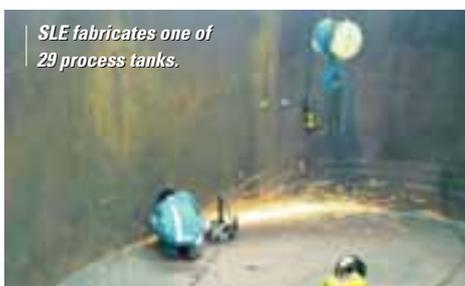
"XLERPLATE® steel's high quality always delivers good results," Mr De Lellis said. "We have had problems with other plate products in the past which customers have free-issued for processing."

## SLE finalises tanks for new NT mining project

*Darwin-based fabricator Specialised Labour and Engineering (SLE) is finalising fabrication work on 29 process tanks for a new Northern Territory mine.*

SLE began fabricating the tanks in December 2006 for Compass Resources NL base metal exploration at Batchelor, about 100km south of Darwin.

"We're fabricating the mixing tanks in three sizes – 3.5 tonnes, 4.4 tonnes and 16 tonnes," Managing Director Jav Jovanovich said. "There are 16 large tanks measuring 7.1 metres in diameter and 7.8 metres high, which will be used as acid leach tanks, and resin in pulp tanks.



| SLE fabricates one of 29 process tanks.

"The smaller tanks, measuring 3.7 metres in diameter and 3.1 metres high, and 2.8 metres in diameter and 3 metres high, will be used for iron precipitation and nickel cobalt precipitation."

SLE ordered 300 tonnes of Grade 250 XLERPLATE® steel for the project through distributor OneSteel Metaland.

"We're using XLERPLATE® steel in eight millimetre thicknesses for the tank bases, and six millimetre thicknesses for the walls," Mr Jovanovich said.

"XLERPLATE® steel is a reliable product with consistent roll-forming quality."

The company has delivered the smaller tanks to Batchelor, and is now finalising work on the large tanks, which will be delivered in two pieces (top and bottom halves) before being assembled on-site.

SLE also contracted Darwin fabricator EC&E to help with fabrication, allowing the company to meet the tight deadline.

All tanks have been designed to meet American Petroleum Institute (API) Standard 650 for above-ground storage tanks.

## Brisbane's bridge without cars

*Brisbane's new Eleanor Schonell Bridge is Australia's first pedestrian, cycle and bus bridge – and it owes much to XLERPLATE® steel.*

The \$55 million bridge links Dutton Park, five kilometres from the Brisbane CBD, with the University of Queensland at St. Lucia, and is designed to carry buses, cyclists, pedestrians and emergency service vehicles only. Cars need not apply for access.

The John Holland Group won the contract to design, construct and maintain the 390-metre span cable-stay bridge over the Brisbane River.



| Bridging Brisbane River.

The design includes two twin-column 70-metre towers supporting a composite steel and concrete deck which is 20 metres wide, 1.5 metres deep and 185 metres long.

More than 875 tonnes of 350 Grade XLERPLATE® steel was used to fabricate key sections of the deck for the structure, originally known simply as the "Green Bridge".

John Holland's specialist Structural Mechanical Process (SMP) division at the company's Richlands facility fabricated the huge welded sections, and these were then delivered to John Holland's on-site construction staff.

John Holland Group Project Director David Balmer said the use of steel for the deck enabled the design team to innovate.

"Specifying steel for the composite deck provided an opportunity for significant cost savings and played a part in maintaining a tight construction timetable," he said.

"This is the first major cable-stay bridge built in Australia in the last decade. We devised a modular system for the steelwork, based on the need to alternate between adding cantilevered sections on the bank side and then the river side of the supporting columns to balance the weight."

Delivered to the construction site by road, then assembled and checked in a jig before being craned into position, each 9.6-metre-long steel module weighed up to 24 tonnes.

"Every single piece of steel fabrication work for the bridge was done at the John Holland SMP facility at Richlands," Alban Manning, John Holland Manager – Fabrication and Coatings, said.

"The sophistication of the steelwork design and the level of quality required was the highest with which I have been associated."

The need for accuracy in the welding of angled cable-stay anchorages to the bridge deck modules was also crucial.



| Boddington Gold Mine processing plant under construction.

## Golden mining opportunity for JV Engineering

*Riding the wave of the mining and resources boom, Western Australia's JV Engineering has secured a major contract for the \$1.8 billion Boddington Gold Mine (BGM) Expansion Project.*

The project involves building a new processing plant to retrieve gold and copper ore from 'basement' rock beneath the company's depleted oxide pits at Boddington, 130 kilometres south-east of Perth.

JV Engineering, which specialises in steel fabrication and construction for the mining industry, won a contract to fabricate a copper-gold flotation circuit for the new plant.

The circuit will include 30 flotation tanks and associated components, and will be built using more than 1000 tonnes of XLERPLATE® steel.

Each tank weighing about 35 tonnes will be fabricated from Grade 250 XLERPLATE® steel, and components will be fabricated from Grade 350 XLERPLATE® steel.

"We're also manufacturing top-of-tank bridges from rolled structural steel sections to hold the componentry in place and provide workers with access to it," JV Engineering's Director Peter Robbins said.

JV Engineering began fabrication work at its Welshpool workshop in July 2006, and is expected to finish the job in early 2008. BGM is expected to start production later that year.

"The greatest challenge we face with large contracts like these is meeting the delivery deadline," Mr Robbins said. "We use XLERPLATE® steel because we know we can rely on BlueScope Steel's supply chain and the quality of the products."

Established in 1995 by Directors Peter Robbins and Norm Peter, JV Engineering employs approximately 50 people.

The company's extensive job portfolio of specialised mining equipment includes fabricating flotation tanks for Newcrest Mining Ltd's Telfer Mine in northwest Western Australia, and fabricating processing equipment for the Olympic Dam in South Australia.

## Samaras wins WA rail bridge contract

*Adelaide's Samaras Structural Engineers is supplying, fabricating and delivering eight surface-treated rail bridges for the Fortescue Metals Group's Cloud Break Mine in Western Australia.*

The bridges will be used on the 300 kilometre railway line between Cloud Break Mine and Port Hedland in the Pilbara region.

Samaras Structural Engineers is using 1800-1900 tonnes of steel to fabricate the bridges, including 1300-1400 tonnes of Grade 300 and 350 XLERPLATE® steel for the fabrication of girders and pressed-edge troughs.

"The largest rail bridge sections are two 36-metre-long, 2.8-metre-high girders, each weighing 52 tonnes," Commercial Manager Bill Rutai said. "We're also fabricating a total of 76 25.6-metre-long, 2.8-metre-high girders, each weighing 13.2 tonnes."

Samaras Structural Engineers delivered the first fabricated bridge sections to site in north-west Western Australia in February 2007, and managed to overcome the logistical impact of Cyclone George when it struck the Pilbara region in March.

"Our planning had to be meticulous to ensure efficient, cost-effective fabrication within an extremely tight seven-month construction timeframe," Mr Rutai said. "We've developed innovative welding techniques to ensure efficient



| Samaras Structural Engineers fabricating girders.

delivery of the sections, and maintained our dedication to stringent quality assurance and design specification testing throughout the project."

He said safe handling and delivery methods also played an important role in the project.

"This project consists of larger-than-normal sized girders, for which we have specifically produced and implemented systematic safe-handling and delivery methods, and trained our personnel to ensure successful implementation of these methods," Mr Rutai said.

After overcoming setbacks imposed by the impact of Cyclone George, the final and largest fabricated sections will be delivered on-site toward the end of the year to a location between Newman and Port Hedland, using a convoy of trucks and escorts.

# COLORBOND® steel continues Kimberley clean-up program

Following last year's successful campaign, COLORBOND® steel is again partnering Clean Up the Kimberley 2007.

Designed to reduce waste dumped on roadsides, in communities and campsites across one of Australia's most beautiful regions, the campaign last year involved more than 1600 volunteers in a record effort.

More than 3000 bags of rubbish (750 cubic metres) were removed from the Kimberley's towns and remote communities. Worst offending items included aluminium cans, plastic and glass bottles, and plastic bags.

The Clean Up Weekend takes place on 26 October, but the overall campaign also incorporates a series of community-based projects designed to promote environmental, social and economic sustainability throughout the Kimberley region.

Australians use more than 10 million plastic bags every day, and these can take up to 1000 years to break down, never completely disappearing. Plastic bags are easily carried by wind, escaping from rubbish bins and landfills. In turn, they become a choking hazard for wildlife, particularly marine animals.

Almost 34 per cent of all items collected last year were plastic, with 7.4 per cent of all plastic items being supermarket retail shopping bags. More than 25 million plastic shopping



BlueScope Steel employee, Diane Greville (left) with Clean Up Australia Campaign Manager, Sally Whitelaw, helping remove rubbish from the Kimberley region during the 2006 Clean Up the Kimberley weekend.

bags end up as landfill or discarded waste every year in Australia.

The Kimberley Says No To Plastic Bags campaign addresses this challenge, coinciding with the Environmental Protection and Heritage Council's program to help phase out plastic bags.

Small businesses across the Kimberley region have been given 400 reusable bags to sell to the local community. Money raised will be used to buy

more reusable bags, helping to create a plastic bag-free community.

"Clean Up the Kimberley is run by local organiser Jake Zahl with the help of Principal Partner COLORBOND® steel, focusing on education programs for schools, local communities and travellers to improve waste management in the region," Ian Kiernan AO, founder of Clean Up Australia, said.



1800 800 789

This number is for callers within Australia only. Callers in other countries should refer to our web site for the contact number of their nearest BlueScope Steel Limited office.  
[www.bluescopesteel.com](http://www.bluescopesteel.com)

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8 STEEL EDGE SEPTEMBER 2007

## Steel Convention registrations

Registration is open for the Australian Steel Institute's (ASI) annual Australian Steel Convention which runs from 28-30 October 2007.

This year's event is themed 'Sustainable Future' and will be held at the Four Seasons Hotel in Sydney.

British Constructional Steelwork Association President Richard Barrett will be a key speaker at the convention. He is Managing Director of Barrett Steel Services, one of the UK's largest independent steel suppliers.

About 200 delegates are expected to attend this year's convention which is scheduled to coincide with the International Steel Contractors' meetings being held in Australia for the first time.

Convention sessions will address leadership, climate change, the economy and other topical issues.

Traditionally a great networking opportunity, the Australian Steel Convention will include a golf day, gala dinner and social activities for delegates' partners.

For convention and accommodation bookings, phone Paul Kerr from the ASI on 02 9680 9311 or email [convention@steel.org.au](mailto:convention@steel.org.au)



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