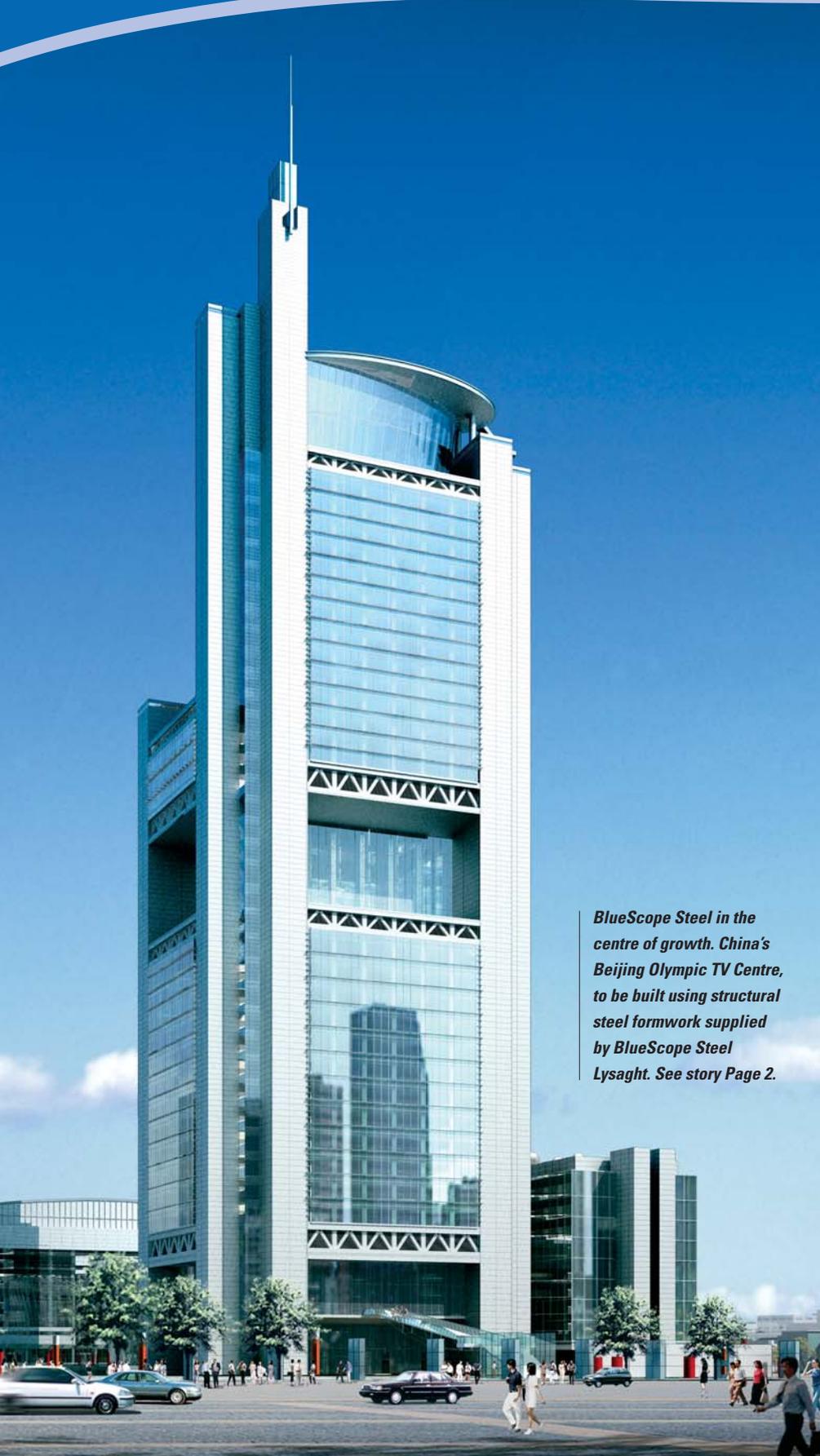


# STEEL EDGE

A newsletter of product innovation, corporate information and news for customers of BlueScope Steel Limited

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*BlueScope Steel in the centre of growth. China's Beijing Olympic TV Centre, to be built using structural steel formwork supplied by BlueScope Steel Lysaght. See story Page 2.*

## Butler brand boosts BlueScope

*BlueScope Steel has entered a new phase of dynamic growth which will benefit customers throughout Asia, the United States and Australasia.*

The company has announced the planned acquisition of Butler Manufacturing Company, the world's premium brand in pre-engineered building systems with operations in North America and China.

It has also put plans in place or begun major expansion in Vietnam, Thailand and China.

BlueScope Steel Managing Director and CEO Kirby Adams commented: "The continuing growth program, with announced plant expansion and construction projects in excess of A\$550 million in Asia, Australia and New Zealand coupled with the approximately A\$260 million acquisition of Butler Manufacturing Company, means BlueScope Steel is truly in growth mode.

Butler Manufacturing Company has strong, well recognised brands, excellent design and technical capabilities and has the number one market positions in both the United States and China.

Pre-engineered buildings are designed and engineered using sophisticated computer software to meet each purchaser's individual requirements, with steel components pre-fabricated and partially assembled off-site, then transported to site for erection.

The acquisition of Butler is consistent with BlueScope Steel's long-term growth strategy to increase the proportion of higher value-added steel products it makes and sells, and to become a solutions provider, particularly for the building and construction industry.

There is scope for the Butler product and service offer to be extended to BlueScope Steel's customers in South East Asia, Australia and New Zealand.

Other BlueScope Steel expansion plans recently announced include:

- Vietnam - the construction of a new metallic coating (capacity: 125,000 tonnes) and painting (capacity: 50,000 tonnes) facility. The \$160 million facility is expected to commence operations early 2006;
- Thailand - installation of a second metallic coating line (capacity: 200,000 tonnes) at the Map Ta Phut plant. The \$80 million facility is expected to commence operations by mid 2005;
- China - a new metallic coating (capacity: 250,000 tonnes) and painting (capacity: 150,000 tonnes) facility. The \$280 million facility is expected to commence operation in mid 2006.

BlueScope Steel also completed a 25,000 tonne upgrade to an existing paint line in Indonesia in January and will this month complete a 24,000 tonne capacity expansion of a metal coating line in New Zealand.

# BlueScope to supply Olympic TV Tower

**BlueScope Steel has won a contract to supply structural steel decking for another major Olympic infrastructure project in Beijing.**

BlueScope Lysaght will supply more than 700 tonnes of LYSAGHT W-DECK® and BONDEK® II for the new Beijing TV Centre (see artist's impression, on page 1).

The building will be the new headquarters and broadcasting centre for Beijing TV and will serve as the global rebroadcast facility for the 2008 Beijing Olympic Games.

The 41 level Beijing TV Centre will rise 258 metres above Chang'an Road in Beijing's CBD and will become a signature building with a significant architectural and design influence.

The BlueScope Lysaght Beijing office worked with a team from the BlueScope Lysaght Shanghai office for 18 months to secure the steel supply contract for the Australian developed decking.

The LYSAGHT® brand name, guarantee of product quality and technical support backed by full-scale test results were key factors in the selection of W-DECK® and BONDEK® II for the project.

BlueScope Lysaght also provided technical support at the facility's design phase to the project engineers, Beijing Institute of Architectural Design & Research.

It secured the contract with a commitment to provide the highest quality steel decking, world-class manufacturing and dependable delivery.

Nearly 55,000 square metres of LYSAGHT W-DECK® profile will be rollformed at BlueScope Lysaght's Shanghai facility for the project, with 10,000 square metres of LYSAGHT BONDEK® II to be supplied from BlueScope Lysaght Singapore.

LYSAGHT W-DECK® steel profile can be used as lost formwork or in composite floor systems.

No sprayed fire treatments are required on the underside of the LYSAGHT W-DECK® structural decking system.

It complies with both the USA UL fire rating and ICBO requirements. LYSAGHT W-DECK® has also passed the fire rating test standard of the China Quality Supervision and Test Centre for fixed fire extinguishing systems and fire resisting building components.

Other new infrastructure projects supplied by BlueScope Lysaght ahead of the Beijing 2008 Olympic Games include the international airport and city rail stations.



Bernie and Norma Schneider with some of the COLORBOND® steel samples their farm has hosted for up to 42 years

## Couple's 42 year test record

**Bernie and Norma Schneider of Rockhampton, Queensland still have the newspaper cutting from 1962.**

It tells the story of how research and development scientists set up a testing station on their 20 acre property that straddles the Tropic of Capricorn.

Forty two years later the site is one of BlueScope Steel's longest established testing stations in Australia – and Bernie is set to celebrate his eightieth birthday in April.

The tropical climate testing facility is part of BlueScope Steel's ongoing research into product quality in all conditions.

Through endless hot Rockhampton summers and rain-sodden wet seasons, the testing station has exposed generations of COLORBOND® steel products to the most extreme conditions.

The station is now home to a range of samples – of varying paint systems, colours and ages – part of BlueScope Steel's research to maintain and extend its global lead in coated steel technology.

"We were approached to house the racks on our property to protect the samples from accidental damage or vandalism," explains Bernie.

"They've been here ever since, with the number of samples continually growing - I'd say there'd be over 2000 samples on the racks now."

Each April, Bernie packs up the samples and sends them off to the Port Kembla laboratories for extensive research and testing before they are returned to the site.

"We've been actively using the site for over 40 years," Principal Research Scientist at the Port Kembla Research Laboratories Cheryl Aldrich explains.

"It's a continuous process, the samples only leave the site for about six weeks a year when they are sent to our researchers.

"We review and analyse all the panels when they come in and use the results to help us make decisions about the development of products and paint systems."

Bernie and Norma's site is now also home to a remote meteorological station, installed in 2001 to monitor the region's weather patterns. Data from this station is automatically transmitted to the Port Kembla laboratories to assist with research.

So challenging is the Rockhampton climate and so eager are BlueScope Steel's researchers to expand their testing capability that a second testing site was set up in 1996 at the Rockhampton home of BlueScope Lysaght employee Des Elleray.

# Quicker culverts

**A new coated steel pipe product from BlueScope Steel offers an innovative solution for culvert construction.**

New HydroRib™ pipe uses a unique polymer-coated ribbed steel profile that is lightweight but strong and easy to install.

HydroRib™ is available in diameters from 300mm to 900mm and in lengths up to 12 metres. It is manufactured with rib heights of 9.5mm and 13mm using 0.71mm thick galvanised sheet laminated with a polymer protective film.

A multi-step process applies the protective polymer film chemically and mechanically to the galvanised steel.

The advanced polymer coating and ribbed design of HydroRib™ provide greater external strength and a smooth, free-flowing piping system that is a suitable solution for small and large diameter culverts.

The polymer coating also increases resistance to corrosion and abrasion, offering outstanding maintenance-free performance over the life of the drainage system.

HydroRib™ offers a lighter weight solution than many alternative materials, saving money and time during installation through minimised freight costs and handling and installation efficiencies.

Cost savings flow from the longer standard pipe lengths possible with a steel solution, and from the elimination of the need for special lifting equipment on-site.

Wollongong-based Civil Engineering specialist Glennos Constructions was among the first to use HydroRib™, installing four 8 metre long culverts across a creek-bed in Unanderra.

General Manager David Banner was impressed by the lightweight eight-metre-long HydroRib™ offering.

"We installed the pipes in half the time it would have taken with traditional materials," Mr Banner stated.

"The longer standard length and lightweight design of HydroRib™ also removed the need for heavy machinery on-site and provided a less labour intensive installation."

The combination of its light weight and high strength makes HydroRib™ easy and quick to install.

Design features include long life, reduced number of joints required for a given length and, fast, uncomplicated installation.

**For more information contact**

**BlueScope Steel**

**1800 800 789**

**The lightweight and longer standard lengths of HydroRib™ makes it quicker and easier to install.**



# New fixing suits roofers

**An improved clip fixing system developed by BlueScope Lysaght is making it easier and quicker than ever to install the popular roof decking profile, LYSAGHT KLIP-LOK 700 HI-STRENGTH®.**

BlueScope Lysaght created the concealed clip-fixing system for KLIP-LOK 700 HI-STRENGTH® to further improve one of the features which has fuelled the product's popularity since its launch just over two years ago.

Roofs made from LYSAGHT KLIP-LOK 700 HI-STRENGTH® adorn many prominent projects, including the new Suncorp Stadium in Brisbane.

This high-performance profile enables long spans, and extremely long runs. The wider sheets also make installation quicker, especially on bigger jobs.

Concealed fixing is a key benefit of the profile. Fixing clips are simply secured to the steel or timber supports using hexagon headed screws and the KLIP-LOK 700 HI-STRENGTH® sheets are laid directly onto the clips.

With no exposed fasteners, the sheets provide a clean, smooth finish to the roof.

Now BlueScope Lysaght has made significant improvements to the clip fixing system.

The clips are more flexible and easier to attach to sheeting. They grip securely yet won't mark the ribbing from beneath as it is fixed and can be disengaged should sheeting need to be removed to fit skylights or access service areas.

"These new clips have the same high-strength capacity as the old clips, but they are much easier for roof fixers to work with, especially on larger projects," says BlueScope Lysaght's Mike Celeban.

Major contractor Roof & Fascias successfully trialled the new KLIP-LOK 700 HI-STRENGTH® clips on a recent project at Ingleburn in Sydney's southwest.

Roof & Fascias used 3,300 square metres of LYSAGHT KLIP-LOK 700 HI-STRENGTH® cladding and 5000 of the new clips on the Austool Australian Centre for Toolmaking Innovation.

According to Roof & Fascias Director, Vic White, the new clips made the job easy. "They make the sheets easier to install," he said. "You can also take the sheeting up without a problem, and then lay it again.

"We are using KLIP-LOK 700 HI-STRENGTH® on a regular basis," he said.

Bluescope Lysaght is a leading supplier of steel building products with a range including roofing and walling, rainwater goods, fences, home improvements, structural sections and house framing.

It exclusively uses premium steel products such as GALVASPAN® steel, COLORBOND® steel and ZINCALUME® steel.

Australia's longest trailer at BlueScope Lysaght's service centre in Chullora, NSW with BlueScope Lysaght staff members.

# Longer lorry lightens the load

*BlueScope Lysaght's New South Wales operation has commissioned the longest trailer of its type in Australia to enable it to deliver steel building products in 40 metre lengths.*

The massive \$200,000 rear steer trailer was designed to extend from 14.8 metres to a huge 40 metres, giving the flexibility to deliver the maximum length of material that can be handled safely on-site.

The trailer can be pulled by a conventional prime mover, and has the capacity to transport loads of up to 10 tonnes – double the previous trailer's capacity.

According to Michael Meehan, BlueScope Lysaght's NSW Regional General Manager, the

new trailer will result in a quantum improvement in BlueScope Lysaght's service offer.

"It's just fantastic," he says. "Being able to order product in 40 metre lengths is a huge advantage in building and architectural terms – eliminating the need for inconvenient and unattractive joins and seams in walls and roofs."

Getting 40 metre lengths delivered to site offers a further advantage in terms of flexibility of supply, says Michael: "Unlike situations where product is roll-formed on site, we can deliver to suit the customer."

"If they need some of the product this week, and some of the product in a few weeks' time, that's not a problem. When profiles are rolled on site – you've got to do it all in one hit, which can

create storage problems if you don't need to use all of the material at once."

According to Michael, another advantage of site delivery, as opposed to roll-forming on-site, is the quality. "All of our products are manufactured in controlled factory conditions, ensuring optimum quality," he says. "Unless you have very good processes, it's the only way you can guarantee a perfectly consistent product."

The increased capacity of the trailer will also cut down on delivery costs – as much larger loads can be delivered to customers. "This new trailer has twice the capacity of the old trailers, which basically amounts to half as many trips. This represents considerable transport cost savings to our customers," says Michael.

"The trailer extends by means of its unique box section steel chassis. The chassis consists of four large box sections, which telescope to extend the chassis to the full 40 metres. The sections can all retract to make a shorter 14.8 metre trailer."

"Every box section opens individually with air-operated rams. When you pull the button, the rams open the large pin holding the section closed. Once the section is open, you then apply the brakes to the trailer, put the prime mover into a low gear and proceed forward. As you move forward the trailer extends."

The box sections also provide greater strength to the chassis, especially when compared to the standard two-rail trailer chassis. When fully extended, the distance between the trailer's front and back wheels is a huge 30 metres.



## Cruising ahead

*The largest passenger vessel built in Australia for an Australian operator since the Empress of Australia in the '60s is taking shape in a Cairns shipyard with the help of XLERPLATE® hot rolled steel.*

Leading Queensland ship building and engineering company NQEA won the \$20 million contract to build the luxury expedition cruise vessel for Cairns-based operator Coral Princess Cruises after an extensive tendering process.

NQEA are currently constructing the ship to accommodate 80 passengers and 20 crew. The layout includes 39 cabins over four decks - the main deck lounge and dining room, a promenade deck with full walk around, a bridge deck lounge and bar, and a sun deck with a spa.

The ship's normal cruising ground will be the north-east coast of Australia, and the north-west coast around the Kimberley region.

At 65 metres long and 13 metres wide, the vessel will have a full displacement of 1300 tonnes. BlueScope Steel is supplying 500 tonnes of steel of varying grades and thickness, to be used in the ship's construction.

The Coral Princess cruise ship is one of five vessels currently under construction in NQEA's ship building facility in Cairns. "It's a medium to large job," says Mark Fry of NQEA. "In excess of 100 skilled tradespersons are currently engaged in its construction."

Mark explains: "We are using both 250 and 350 grade XLERPLATE® steel. We need an efficient structure with maximum strength and minimum weight, so we use different thicknesses of XLERPLATE® to optimise the vessel design. We order reasonable quantities of non-standard plate thickness – any where from 4.5mm to 9mm.



"It's critical that any steel we use is of the highest quality. The material has to be certified by a classification society, in this case the American Bureau of Shipping. XLERPLATE® steel met their standards," he adds.

"Lead times are vital – and we always receive accurate indication from BlueScope Steel as to when to expect the product."

"We've been purchasing steel from BlueScope Steel for over 50 years and we'll continue to do so."

XLERPLATE® is BlueScope Steel's brand of high quality hot rolled steel products.

## Biggest crane is a local triumph

*A Western Australian company's success designing and constructing the country's biggest portal crane has lifted it to the top ranks in its specialist field.*

Heavy industry and railway lifting systems engineering firm, Vector Lifting, was awarded the \$8 million contract by Multiplex Constructions to design, construct and commission the portal crane, 2 x 20 tonne overhead cranes, the support and drive system to the assembly hall and the opening doors to the eastern end of the assembly hall.

Construction of the 200 tonne capacity, 35 metres high portal crane which spans 65 metres, and the drive and support system involved the use of 650 tonnes of 250 grade XLERPLATE® hot rolled steel, supplied by BlueScope Steel.

"We were up against international competitors, but in the end Multiplex went with a local supplier,

which was great," says Vector Lifting's Rod Hurley. "The project has been our single biggest job to date."

Vector Lifting is one of the world's leading designers and manufacturers of jib cranes and railway lifting equipment. The company has worked on numerous projects for clients such as Queensland Railways, the Melbourne Transit Authority, Leighton Contractors, and John Holland.

The fabrication and installation of Australia's biggest portal crane went off without a hitch - but not without a lot of planning.

The crane was fabricated in Vector Lifting's workshop in Jandakot, and at subcontractor Pacific Industrial's workshop in Naval Base, using 650 tonnes of 250 grade XLERPLATE® supplied by BlueScope Steel.

"We never considered using anything other than XLERPLATE® steel," says Rod. "We could have gone overseas for the steel, but we preferred to use a local Australian supplier. Vector Lifting as a company

is very pro-Australian products and suppliers.

According to Rod, the reliability of the steel supply was one factor that contributed to the success of the project. "We never had a problem with delivery or lead times. We purchased the XLERPLATE® through OneSteel, one of BlueScope Steel's distributors," he says.

"All the steel was there within one to two weeks of our ordering it. We were always on schedule or ahead of schedule throughout the project, so that's a good indication that the steel supply was reliable, and the quality of the product was excellent.

"Having a committed supplier is extremely important to us. With the tight deadlines we are generally given on jobs, we need our suppliers to deliver the material exactly when and where we require it. It's vitally important that we get a continuous supply, so that the job is not held up," he adds.

# Steel solutions to fuel growth in Asian countries

*BlueScope Steel is using experience gained over 35 years in the region to pioneer the concept of complete building solutions in South East Asia.*

Mark Cain, Vice-President Marketing and Business Development for Asia, sees marketing and growth opportunities flowing from steel solutions that overcome seemingly complex design and construction hurdles.

BlueScope Steel makes no attempt to provide a single solution for Asian building markets. It provides a variety of quality products across the region and offers innovative building solutions to accommodate the differing geographical requirements and climatic conditions of every country in which it operates.

"BlueScope Steel in Asia is all about eradicating complexity and providing local solutions," Mark Cain said.

"A house, for instance, in Vietnam's Mekong Delta presents certain engineering obstacles that a steel home in another region may not have to overcome.

"In the Delta it needs to be engineered to perform under severe tropical weather conditions, such as surviving floods. The components may have to be transported without trucks or, for that matter, without roads but instead travel by oxen and by riverboat.

"Rather than providing our customers with only the elements, we provide the elements and the complete package.

"BlueScope Steel in Asia sells the entire buildings, encompassing product and design, delivery and construction."

Vice-President Marketing and Business Development in Asia is a new position created following a restructure of BlueScope Steel's business management in Asia.

"The largest growth opportunities for BlueScope Steel are in Asia, so my role is to ensure that the company is market focussed," Mark said.

"The business development side is to take ideas and see whether they can be nurtured or grown into something that's a customer benefit and a full business proposition. It could be an extension of the existing facility or it could be to start up a business in a new location."

The majority of the Asian marketing team is located in BlueScope Steel's regional office in Kuala Lumpur, while business development is largely based in Sydney. The two teams, although geographically separate work together.

Asia is BlueScope Steel's biggest market outside of Australia and New Zealand. It is also an area of intense competition, but one where BlueScope Steel's focus on value adding has met with continuing success.

"Our market share varies from country to country in Asia," Mark Cain said.

"We are a niche player, but we're winning recognition as a supplier of high quality coated steels that offer customer confidence in long lasting buildings that continue to look great.

"We also engage in building design and installation to satisfy a requirement specific to the Asian market.

"COLORBOND® steel and ZINCALUME® steel are our flagship products right across Asia, but we also offer country specific products, which allow us to market to different segments and

**"A large majority of the competition is operated as foreign investment, which means they see Asia as 'over there'. We don't."**

satisfy different customer needs."

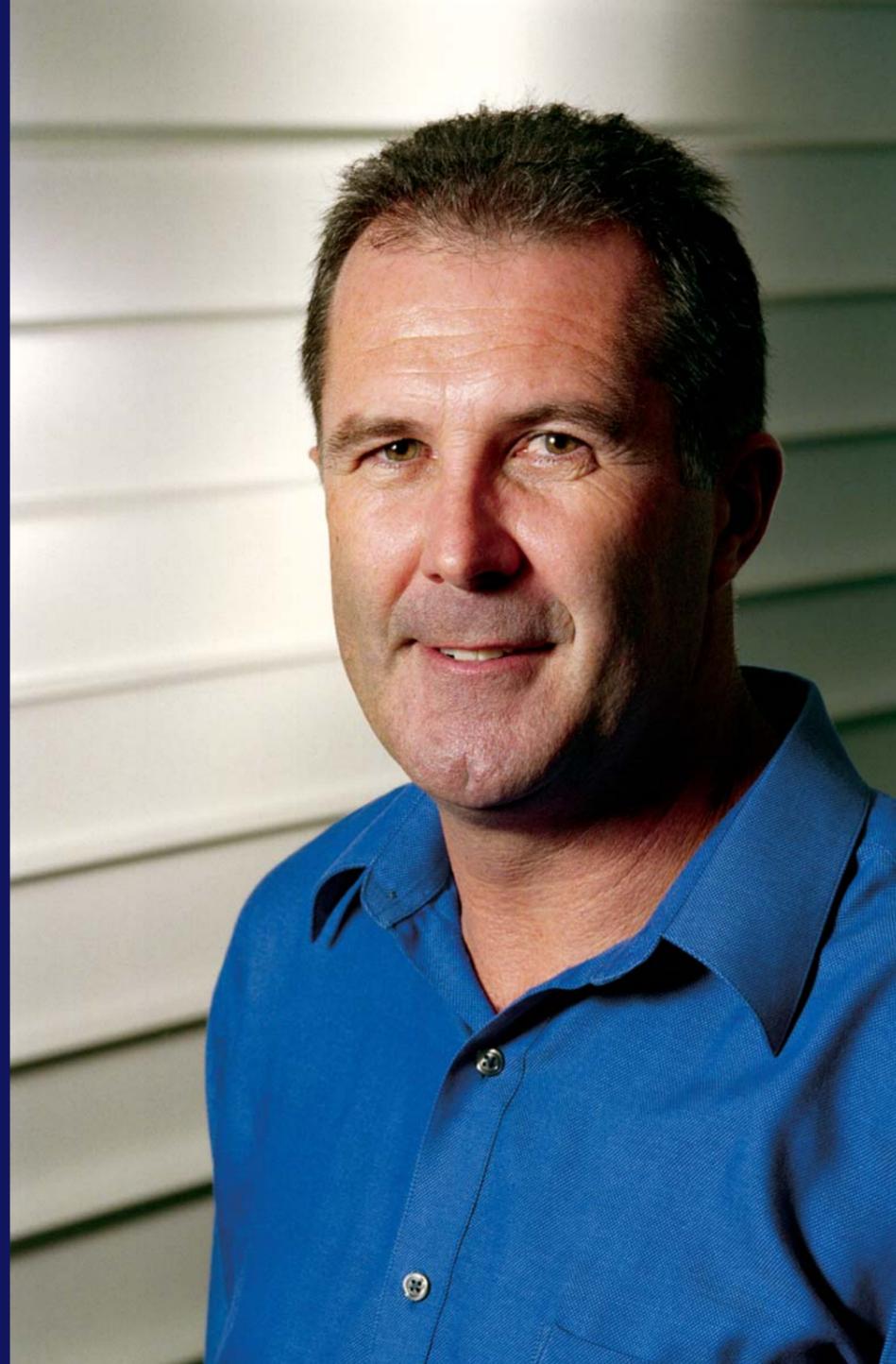
Mark said the construction of a coating line in Vietnam was being accompanied by efforts to promote COLORBOND® steel and ZINCALUME® steel there, build a market and establish the company's position before the facility comes into production.

"At the same time we have also announced the extension of our coating line business in Thailand, which will give us a capability to make zinc coated or galvanised product to compete with other producers and provide a larger range ourselves," he said.

Mark believes the difference between BlueScope Steel and many of its competitors now drawn to the region is BlueScope Steel's longterm presence in Asia.

"We have been operating and investing in Asia for over 35 years. All BlueScope businesses are run in-country, not run as an extension of a foreign organisation," he said.

"A large majority of the competition is operated as foreign investment, which means they see Asia as 'over there'. We don't."



Mark Cain was asked to take on the role as Vice-President Marketing and Business Development late in 2003, while based in Asia in his previous role as President of business in China.

"I saw the new challenge as very exciting – it's a unique opportunity. I had the experience in Asia, had seen the markets, and had worked in them."

"Market plans are already in place. In the case of China, for example, we are looking at – and well beyond – the 2008 Beijing Olympic Games.

"BlueScope Steel representatives are regularly meeting with Chinese authorities to present a very clear idea of the value of incorporating steel into the games, and also into the growth of sports infrastructure in China, outside of Beijing.

"The Beijing TV tower is an example of a major Olympics project which arose from an extensive

effort to explain the benefits of structural decking. This high-rise building using BlueScope Steel will be central to telecommunications during the games."

Mark Cain started his steel industry career straight out of high school as a metallurgy trainee at Western Port works in Victoria and has worked extensively in manufacturing and in product research. Prior to his positions in Asia, he held sales and marketing roles in New Zealand and Australia.

After spending five years based in Asia and 27 years with the company, he believes the challenging new role of Vice-President Marketing and Business Development for Asia will give him a prime position to ensure BlueScope Steel experiences an era of unprecedented growth in the region.

## Rapid rise has builder beaming

*Structural steel formwork is helping to speed construction of a 25 level office tower above a landmark building in Sydney's CBD.*

Australian construction giant Grocon is erecting the new tower above Sydney's distinctive Masonic Centre - more than 30 years after the Centre's design in 1972.

Grocon project manager Peter Whyte, said a major challenge of the project was to build a massive transfer structure to carry the entire load of the 1000-square-metre building footprint, concentrated around the 15 metre wide lift core of the original building.

The key to the speed of construction is the Grocon external jumpform system which works in conjunction with Ultrafloor® prestressed concrete beams and structural steel formwork made from DECKFORM® steel.

Peter Whyte said the architectural regularity of the Masonic Centre building led to the selection of the Ultrafloor® system and Fielders KingFlor KF70® and RF55® made from DECKFORM® steel.

"We cast the walls for two floors at a time with the external perimeter jumpform system before the slabs go in. There are 70 square Ultrafloor® 250x350mm planks per floor and the structural steel formwork easily spans the 1.6 metre distance between each one.

The highly automated jumpform system has allowed Grocon to use just one crane on the project and complete one floor every five days. The system also minimises back propping, allowing following trades to easily install pipe and duct work."

"We are already installing windows two floors below where the new floors are going in," Peter Whyte said. "Painters are doing preparatory work on the top floor just one floor below where the new floors are being built. It all works hand in hand."

Developed by BlueScope Steel specifically for the decking industry, structural steel formwork made from DECKFORM® steel delivers excellent durability and is backed by a 10 or 15 year BlueScope Steel warranty\* and nationwide technical support.

DECKFORM® steel is available with a Z350 and Z450 zinc-coating mass for superior corrosion protection. Comprehensive shear stud welding tests were carried out across a range of base thickness with both coating masses. These tests have shown consistent results can be achieved on site.

\*Warranty subject to terms and conditions

**For Further Information:**

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## Steel dome home an ESD winner

*Queensland builder Atrium Homes is using a unique steel clad dome building system to construct a series of award-winning homes.*

The company has built a series of the architecturally designed, patented steel-based structures along the east coast of Australia from Byron Bay in Northern New South Wales to Bundaberg in Central Queensland.

"The atrium construction provides a feeling of space and light within the home and a distinctive look from outside," Atrium Homes' Tony Hill explained.

One of Atrium Homes' recent designs, built both as a family home and a home stay residence, has won a series of awards by combining energy-efficient living with the style of the traditional Queenslander.

The home stay near Queensland's Coolumb Beach uses a mix of steel, glass and timber to complete its striking look.

Externally the walls and skillion roof of the octagon-shaped home are clad in ZINCALUME®, steel.

The steel theme continues internally with a number of feature walls and the ceiling clad in ZINCALUME® steel.

The three-level home is a model of energy efficiency, with one-metre eaves on the eastern, northern and western walls to protect occupants from the summer sun.

Rainwater is harvested from the home's large roof area and a solar power system provides up to 80 per cent of the home's power needs.

The home stay won regional and state Queensland Master Builder Association Excellence in Energy Aware Housing awards, and the Sunshine Coast Environment Council Sustainable Building Award.

**For more information contact:**

**Ernie Prior, Dome Systems**

**Tel: 07 4124 6440 or 0417 003 219**



# Training broadens skills

*Fast growing demand for steel framing skills in Australia and New Zealand has prompted three initiatives bringing together industry and educational authorities.*

The shortage of trained erectors in some Australian states threatens to hamper the growth of the residential steel building frame industry.

Ken Watson, National Association of Steel-Framed Housing (NASH) executive director, says a new course is designed to establish a minimum standard for training steel erectors and to create a more experienced and skilled workforce.

"Recent expansion within the steel building frame fabrication industry has created more capacity than ever before to cater for the growth in residential building. This training course is a direct response to the demand for steel building frames."

The training course covers some of the theoretical aspects including building regulations, occupational health and safety, benefits of steel framing, the approval process and different types and classes of fasteners.

Practical training also covers the installation of wall and roof framing, bracing requirements, wind categories, and termites, with visits to homes under construction to witness the actual application of steel building frame technology.

In Western Australia a collaboration between Technical And Further Education colleges and



*Ken Clark, from BlueScope Steel (right) with Raymond Jones, GyMEA TAFE's Senior Head Teacher of Metal Roofing, at the launch of a new roof fixer course.*

industry has created the first steel framing training course in Australia that sends lecturers back to school.

TAFE, the National Association of Steel Framed Housing (NASH) and major industry players created a week-long training initiative that saw 17 TAFE lecturers from around the state converge on Swan TAFE's Balga campus to learn the ins and outs of steel framing on a full-size replica home donated by industry.

BlueScope Steel, together with customers Stratco and Roofmart, donated wall framing and roof trusses made from ZINCALUME® steel to Balga TAFE to conduct the training on campus.

The donated steel-framed house will now be used by Balga TAFE for a range of apprenticeship training.

In Sydney GyMEA TAFE and BlueScope Steel created a once-in-a-lifetime opportunity for students keen to jumpstart a career in the building industry - a new 13-week roof fixer course for students who have completed Year 10, 11 or 12.

The course is the first in NSW to provide pre-vocational training in metal roof fixing, including five weeks of work release working with a qualified tradesperson and eight weeks of practical and theoretical training at GyMEA TAFE.

"This is also our first joint venture with BlueScope Steel, which is providing both funding and materials along with special pre-vocational funding provided by the NSW State government," said GyMEA TAFE head teacher of metal roofing, Raymond Jones.



**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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## Recognition for recycling success

*A Sydney council's multi-lingual education campaign and changes to its recycling infrastructure have produced a massive 450 per cent improvement in steel can recycling and won a national award.*

Canterbury City Council was awarded first prize in the Steel Can Recycling Council's (SCRC) Best Practice Award program for 2003.

Local councils have generated a significant national increase with some spectacular local steel can recycling rates.

With the SCRC's support, local councils have mounted education and publicity campaigns to encourage householders and in some instances have even changed recycling infrastructure to make participation easier.

Canterbury City Council's winning effort

included waste audit officers providing face-to-face assistance on liveried scooters and checking the contents of recycling bins. A telephone hotline assists residents with waste and recycling issues.

Penrith City Council in Sydney's west collected the Innovation award for a local "Can It" steel can recycling challenge which has boosted steel can recycling rates by 155 per cent.

During the three month campaign period residents were invited to write their names and phone numbers on their clean used steel cans and place them in their yellow recycling bins for a chance to win a selection of prizes.

Port Stephens Council north of Sydney won the SCRC's Infrastructure award for a one bin waste system that results in an estimated 98 per cent recovery of steel cans.

Cans are collected through both the kerbside recycling collection as well as through a co-composting process which converts putrescible waste collected in the Port Stephens local government area into agricultural grade compost, whilst at the same time screening some recyclables such as steel cans.