GA Profile - Trent & Claire Hays
St Helen’s Glass and Aluminium  page 6

AusFenEx16 Review -
Speakers & Social Events  page 12

Project Award Winners -
West End Brewery  page 24
The Old Clare Hotel  page 28
Mt Mee  page 32
Trinity Gardens  page 36
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President's Update
Peter Moeller – President

Our industry’s most prestigious event of the year has just concluded and, as a united industry group, we celebrated and recognised many achievements. The conference program and speakers were well considered, the exhibition was the largest ever and was representative of many leading companies, providing innovative solutions for our industry. The project awards for me were a personal highlight, with many exceptional examples of innovative glazing and truly outstanding projects. The design profession continues to call for more highly specified glazing solutions, performance is increasingly at the forefront, and glass applications are on the rise – congratulations to all who entered and to our winners.

CEO Update
Warren Overton – CEO

Well we are now back on deck after our biggest, and some are saying best, conference to date. AusFenEx16, our joint conference with the AWA, AISF and SIA attracted more than 800 attendees who enjoyed a range of excellent presentations, an exhibition with over 60 displays, and of course several enjoyable social functions. It was great to see glass, windows, surface finishing and skylight industries coming together for this event to share and learn from each other. Through combining our efforts we delivered an unforgettable experience for attendees and a valuable opportunity for the associations, sponsors and exhibitors to connect with the industry. I am certainly looking forward to doing it again.

At the close of AusFenEx16 AGGA also announced our next conference will be in Adelaide from Thursday 17 to Saturday 19 August 2017 and will be held at the recently refurbished Hilton Hotel. There is no rest in the AGGA office – planning is already underway for this event and you will hear more as we progress.

This month’s cover
This month’s cover features the Old Clare Hotel, a refurbished 1939 art deco pub in Chippendale, NSW – an AGGA 2016 National Design Award Winner. The illuminated glass-clad oval bar forms the centre-piece in the hotel, expertly installed by Allianz Glass Pty Ltd in NSW.

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Glass & Glazing
Industry Events Calendar 2016

SEPTEMBER 2016
20–23  GLASSTEC
Düsseldorf, Germany

OCTOBER 2016
03–06  VITRUM 2016
Las Vegas, Nevada, USA
19–21  GLASSBUILD AMERICA 2016
Las Vegas, Nevada, USA
17–20  ASEAN GLASS CONFERENCE 2016
Ho Chi Minh City, Vietnam

NOVEMBER 2016
07–10  77TH CONFERENCE ON GLASS PROBLEMS
Columbus, Ohio, USA
24–26  GLASSTECH ASIA 2016
Hanoi, Vietnam

DECEMBER 2016
06–07  CUBA GLASS 2016
Havana, Cuba

SAVE THE DATE
AGGA NATIONAL CONFERENCE - Adelaide
17–19 August 2017

Contributors

Photographers: Fotogroup, Ally Rolls, Lyndon Stacy, Chris Court & Fred McKie.

This month’s cover
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Glass Australia Magazine September ’16 3
Contents

03 President’s Update, CEO Update, Glass & Glazing Industry Calendar

06 Profile (Trent & Claire Hays) St Helen’s Glass & Aluminium

12 AusFenEx16 Review

24 Case Studies

28 [West End Brewery]

32 [The Old Clare Hotel]

36 [Mt Mee]

48 [Trinity Gardens]

75 State News

AGGA EXECUTIVE BOARD MEMBERS

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Mr Geoff Rankin, Eastman
Mr Tim Oltiback, Viridian
Mr Adrian Grocott, Express Glass

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Editor’s Notes

Welcome to our bumper AGGA awards and post conference edition of GA. The last few weeks have been awash with excitement and enormous pride, with the announcement of many finalists and indeed winners of our various state and national award categories. Recognition by your industry peers is the ultimate acknowledgement – congratulations to all award recipients. This edition features all state and national award winning individuals and projects.

AusFenEx16 on the Gold Coast was well attended and superbly organised. An enormous logistical effort was undertaken by the team to coordinate the delegate numbers for each of the social events, conference sessions and exhibition and the conference speakers and content were both relevant and informative.

Several updates on AGGA training initiatives and support for members are detailed in this issue.

And the announcement of several new Master and Certified Glaziers achieving this important career milestone are listed on page 56.

Our lead profile in this edition features Claire and Trent Hays of St Helens Glass, a small family glazing business nestled away in a seaside town on the east coast of Tasmania – breathtaking vistas and unspoilt beaches. Small business combined with a young family pose unique challenges and Trent makes full use of the mentor and support network that membership of the AGGA Tasmania offers.

As always, your feedback is most welcome.

Jill Johnson

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Danny Gevergizian
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Trent and Claire Hays, owners and operators of the Tasmania-based St Helen’s Glass and Aluminium, started their business from scratch in 2010.

‘St Helen’s on the east coast of Tasmania was where I grew up – it’s two hours from Launceston, and even further from Hobart, so quite a way away,’ says Trent. ‘Organising freight and logistics can be difficult in such an isolated area, as even simple tasks can take a whole day to organise delivery, couriers, etc.’

From the beginning, the couple were flat out. ‘We had our first child, and another came along 12 months after we started St Helen’s Glass,’ Trent remembers. ‘It was hectic with the two kids when we started – we worked 12-hour days, and had to organise family life on top of all the quoting, invoicing and organising associated with a new business.’

Trent can be called out for any one of a wide range of tasks. ‘We’re largely catering for the town’s residential customers, which can include anything from bathroom renovations to broken windows,’ Trent notes. ‘There isn’t really a big commercial presence here, so we have to cover a large area,’ Claire adds.

‘We can travel around an hour each way on a job, servicing around 4000 people in the neighbouring towns of St Helen’s as well as Coles Bay, Bicheno, and Pyengana, right out to Flinders Island.’

It’s the interesting day-to-day jobs that matter most. ‘You never know who’s going to ring, or what could happen on any given day,’ says Trent. ‘You’re there to provide a service for the local community, and we both love creating that social bond with the township. Some jobs only take two minutes, which we don’t charge for, of course – St Helen’s is a really small town, and we just want everyone to know we’re here.’

The couple’s decision to move back to Tasmania and return to St Helen’s was influenced by the lifestyle it offered, Claire reveals. ‘After Trent had completed his qualifications and four years as a qualified glazier in Launceston, we made the decision to start afresh. It was a perfect opportunity at the time, and we just took it from there.’

Before arriving back in Tasmania to set up shop, the couple had a rather adventurous
few years. ‘We travelled around Australia on a working holiday for six years, where Trent was able to use his glazing skills at most of our stops,’ Claire says. ‘It was great while it lasted, and now we’re back living where we grew up.’

Yet, as you might expect, running a business is a challenging exercise. ‘Dealing with customers has been a major learning curve for me,’ Trent confides. ‘When we started, I quickly went from being a regular tradie to learning about all aspects of product, sales and service.’

St Helen’s Glass enjoys a close working relationship with the TGAA. ‘We use the organisation as our learning station,’ says Claire. ‘We have the opportunity to regularly meet new people and gain ideas from participating in TGAA events. They really help our business to stand out, and it’s great to be connected with an Australia-wide industry association.’

The couple have also participated in many workshops run by the Association. ‘People talk a lot about Standards at TGAA meetings, which usually consist of around 20 industry figures,’ says Trent. ‘Each person brings different ideas to the table, and it’s been invaluable listening to such a wide range of topics and gaining an understanding of each member’s perspective.’

Their company’s association with the TGAA has been exceptionally worthwhile. ‘A previous employer of mine was the Association President,’ says Trent. ‘Whenever I was stuck,
he was always available on the phone to give guidance. That’s the good thing about the TGAA – you can connect with a mentor to ensure you’re on the right track. It’s been especially helpful talking with people who know the Standards book inside out!’

Claire discusses some of the other challenges they currently face. ‘As we’re the only glazing company on the East Coast, we’ve had to put in 12-hour days regularly,’ she says. ‘Getting qualified staff is an issue for us, as they’re hard to come by – in Tasmania, they’re now aiming to address the apprentice shortage with training programs. If we can’t find a skilled tradesperson, we’ll have to think about training an apprentice, so there’s someone to help run the business when we’re away once they’re qualified.’

As well as the commerce side of things, there’s the family to consider. ‘I work three days a week, and look after the little ones at other times,’ says Claire. ‘I do most of the admin and invoices, and we’re trying to set up a showroom at the moment. I’m there so Trent can be mobile, and I often travel onsite with him.’

Now, with a few years under their belt, things may be calming down … just a little, at least. ‘It’s been hard balancing everything, with so much to learn, and a long process to get on top of things. Now that the kids are aged seven and five, and a little bit more independent, I can finally see a light at the end of the tunnel,’ Claire concludes.

Kudos to Trent and Claire for their hard work and persistence in bringing quality glazing services to regional Tasmania.
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Powering profit and innovation at Wideline

When Wideline Windows & Doors wanted to take its business to the next level, the company’s management searched for a high-tech solution to secure future success and profit growth.

Wideline founder and Managing Director, Chris Logan has driven the business from a 1971 start-up in an old produce shed on NSW’s Central Coast to become one of Australia’s leading privately owned window and door manufacturer with 10,000 square metres of operations in seven factories on 3.24 hectares.

After using its strong regional customer base to springboard into the greater Sydney market, its windows and doors can now be found in every new display village in the state along with a swathe of high-end architect-designed residences, custom-built and project houses, multi-residential developments and home renovations.

Its diverse and innovative product ranges suit all types of construction and include the classic Horizon™ residential range, the Paragon™ designer architectural range as well as a comprehensive range of Natura™ timber windows and doors. One recently patented innovation is Wideline’s Halo Aquashield®, a unique integrated flashing system used in lightweight construction providing higher resistance to water penetration and dramatically reducing installation time for aluminium windows and doors.

By 2012 it was evident to Chris and the General Manager, Ron Purcell that securing future growth and profits depended on the vertical integration of the business using state-of-the-art technology. So the pair began an international search to find out what technology was available to give Wideline greater control of its destiny.

“We had two main goals for new technology: maximising control of our destiny in manufacturing and workplace health and safety,” Ron says. In November 2012 they visited the Glasstech trade fair in Dusseldorf and discovered Intermac, a Biesse Group company which specialises in glass, stone and metal processing technologies. Intermac Oceania Product Manager Craig Haidley was on the stand and says Chris and Ron wanted glass cutting solutions to give them greater control over supply and quality in their business.

“They also wanted to control costs and improve profit yields from every window and door they fabricated. I was able to demonstrate that our Intermac equipment and technology was an income producing asset and the combination of a carefully planned automated line will reduce wastage and increase production efficiencies.”

Craig was able to present three potential value propositions to Wideline – leading equipment; production capability that exceeded Wideline’s current needs; and Australian-based Intermac resources to provide service and investment security as well as a forecasted return on investment.

ENSURING SUPPLY AND QUALITY

“We cut glass just in time for our manufacturing requirements. Installing Intermac equipment has given us the control we wanted over glass supply and quality for our fabrication divisions,” Ron says.
“Thanks to the new technology we have also been able to dramatically expand the types of glass we can handle and manufacture, this means we have been able to greatly increase our range of products and services, particularly for specialist architectural requirements.”

**WORKPLACE HEALTH AND SAFETY**

“Intermac’s technology has helped us reduce manual handling in the business which in turn has provided a massive improvement in our safe working methods in our glass facility. We have a very strong family culture in our business and employee health and safety is central to every part of our operations.”

**WASTE REDUCTION**

“Our stock selector is able to return unused or partly used sheets of glass into stock, which means significant savings on material costs, particularly with high value glass types.”

**SERVICE**

“Intermac’s after sales service has been excellent. Following the initial teething period of about a month we have only had three small issues and one of these was about the operator rather than the technology. All three issues were resolved quickly and efficiently without impacting operations.”

**IMPACT ON BUSINESS**

“Intermac’s technology and service has had a huge impact on our business - we’ve been able to create a safer workplace for our employees, we’ve lifted the profitability of our glass division, we’ve further improved our on time delivery to customers and we’ve built our capacity to work with a far more diverse range of glass types.”

**More information**

The window fabrication dept has also benefited by having the right glass in the right place at the right time ensuring that our window and door lead times are not only accurate but vastly improved.

Wideline Windows has also been able to refine the quote to order process with the Intermac integrated software that seamlessly communicates with the existing manufacturing software. This system allows the order to be handled just once when transferring cutting lists to the glass factory.

This is seemingly such a small thing but being able to move a glass cutting list wirelessly without paper whilst still having a record of events has improved efficiencies and ensures accountability. A happy manager means that not only upper management is happier but also floor staff are happier.

For more information on Wideline log on to www.wideline.com.au
AusFenEx16 conference and trade exhibition represented the largest combined gathering ever of glass and glazing and associated professionals in the Asia-Pacific region. This year’s event was a dazzling showcase of the many advances in glazing technology, as well as airing the many challenges and opportunities for our glass and glazing industry today, and into the future.

AusFenEx16 provided the forum for glazing professionals to exchange ideas and share insights. Our largest trade exhibition ever provided ample opportunities to display the wealth of technological advances taking place within the industry, exhibiting many new products, services, machinery and software available to the industry.

Over 800 attendees and exhibitors, including many international visitors, attended the conference and trade exhibition, including leading glass manufacturers, window and door manufacturers, glass processors, glaziers, skylight manufacturers, aluminium surface finishers, industry suppliers, local and federal Government departments, and other key industry representative associations.

The Welcome Reception at the Gold Coast Convention & Exhibition Centre set an informal and relaxed tone, establishing a precedent for this much anticipated three-day event. Set in the exhibition hall and hosting over 60 trade displays, delegates wandered the entire exhibition, with a thirst to learn more, reacquainting with many industry colleagues and establishing many valuable industry connections.

The official opening of the AusFenEx16 exhibition was immediately followed by the Trivia night at the Surfers Paradise Hard Rock Café, sponsored by Eastman. The Blockbuster Street Party at Movieworld was packed with live entertainment, a fun party atmosphere and food sampling stations representing tastes from around the globe – a fabulous evening, sponsored by LSEC, Elegant IG and Doric.
Industry news and developments formed the core of the conference, and the selection didn’t disappoint. All those in attendance had the chance to hear from a select speaker lineup of local and international experts, educating and informing on industry advances, economic updates, current trends and future projections. The packed roster featured many representatives from major companies and institutions, including Viridian, Quanex, Glaston, Eastman Chemical, HIA, and Lawrence Berkeley National Laboratory.

Proceedings concluded with the presentations of the 2016 Design Awards and our inaugural National Safety and Apprentice Awards sponsored by SafeWork Australia and MAS National, honouring excellence in our glass and glazing industry Australia-wide. The ceremony wrapped up in fitting style with a Gala Dinner at the Gold Coast Convention & Exhibition Centre, generously sponsored by G.James Glass & Aluminium.

Sincere thanks go to all attendees, exhibitors and sponsors who helped make AusFenEx16 the most successful conference and trade exhibition yet.
AusFenEx16 was marked by an enviously comprehensive range of conference speakers, with experts covering every aspect of glazing technology and emerging developments in the field.

Proceedings kicked off with the Hosts’ Welcome, followed by our Platinum Sponsors Forel and OGA Address. Warren Overton and Tracey Gramlick delivered the keynote address for AGGA and AWA respectively, both providing valuable insights into recent activities and future goals, market conditions and regulatory updates. This was followed by Dr Andrew Harris of Engineering Excellence Group’s thought-provoking talk on Disruptive Building Technology – a vital issue in this period of rapid technological advancement.

Smaller breakout sessions each afternoon, provided audiences with a broad range of topics to choose from, including lean manufacturing, importance of trust in the corporate culture, global trends, safety, advancing glazing technology (incorporating High Performance IGUs) and ISO standards; and business (with a focus on achieving excellence in customer service).

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Day 2 of the conference sessions included a detailed economic review of the building industry from HIA Chief Economist, Dr Harley Dale and a valuable insight into local market trends from informative industry Manager Viridian. The latest technological developments were covered in Dr Stephen Selkowitz’s ‘Windows: A vision for the 21st century’, while the Women in Windows Lunch celebrated the growing and much-needed participation of women in our industry, welcoming Gabriella Horak as their speaker. This eclectic and informative slate of topics concluded speaker sessions with Adam Ferrier’s thought-provoking address on the psychology of advertising and how it influences our industry.

Thank you to all those who delivered addresses at AusFenEx16, giving our appreciative audience much to think about while keeping them fully informed.

A number of speaker presentations are available to download on the AusFenEx16 website log onto ausfenex.com.au

Soccer Day

LiSEC and Elegant IG sponsored our industry’s first friendly soccer tournament in the lead up to AusFenEx16, hosted at the Croatian Sports Centre, Carrara. Surprisingly, we have a number of talented soccer players across our industry but despite fierce competition from the international challengers, the Australian team won on the day with a score of 3 - 2.

(Speakers continued)
Christopher O’Brien -
Inaugural National Apprentice Award Winner 2016

As a mature-age apprentice at Cooling Brothers in WA, Chris has built a rewarding career in the glass industry, with skills including glass processing and more recently the fabrication and installation of commercial glazing systems.

As recipient of the AGGA’s inaugural National Apprentice Award, Chris is to be commended for both his exceptional work ethic and commitment to his career in the glass industry. This award should also recognise the quality training provided by Glass Skills Australia, Chris’s RTO, the support and collation of the content included in the award application prepared by the GWAWA, and also the professional guidance and support of the Cooling Brothers management team and work colleagues.

Golf at AusFenEx16

The much anticipated AusFenEx16 Golf Tournament once again offered the perfect opening event for the conference. The RACV Royal Pines Resort provided an idyllic backdrop to 18 holes of challenge, friendship and fun.

Congratulations to the G.James team for their convincing win on the day

Golf winners score 54.87 net  Ben Driessen  Jim Zieglar  Gary Aspden  Greg Hunt
NAGA score 67.12  Wayne Brookes  Ted Oberg  Dave Lee  Peter Laing
Straightest drive: Nick Ogilvie  Longest drive: Ashley Storie
Nearest the pin: Marshall Bell  Nearest the pin: Steve Cameron

Thanks to AusFenEx16 organisers for their superb planning, and special gratitude to Brio & Glaston for their generosity in sponsoring the event.

Those who made the most of the opportunity to tee off had a rare chance to show off their skills in a unique space while making new friendships, renewing old ones, and anticipating a well-deserved beverage after that elusive 18th Hole.

As golf aficionados will know, this isn’t any old course. The RACV Royal Pines Resort is famed for its picturesque landscapes and intimidating level of difficulty, with the Championship Course playing host to the Australian PGA Championship. Sunday’s tournament (now a venerable conference tradition) offered a valuable opportunity for those in our industry to experience one of Australia’s premier sporting attractions. The day proved to be a perfect beginning to the conference, with a full slate of players against the lush backdrop of Queensland’s Gold Coast. Idyllic conditions were on order for the day, with temperatures reaching a very pleasant 26 degrees. Golfers had the perfect opportunity to sample the sweeping fairways, sculpted greens, and devious bunkers of this world-renowned course.

Thank you to MAS National for sponsoring our inaugural National Apprentice Award
AusFenEx16 Exhibition

AusFenEx16 featured the largest trade exhibition ever staged by our industry in Australia. Centred on the glazing, window, skylight and surface finishing industries, exhibitors represented a broad cross-section of our collective industry groups, hosting 62 exhibitors, spread across 2,618 square metres of exhibition area. The prominent displays included an impressive selection of Australian and international companies, showcasing a vast range of products, inspiring ideas, IT interfaces, and management solutions.

The trade exhibition at AusFenEx16 boasted a comprehensive collection of industry highlights. Many stands presented unique insights into the latest technologies available, in every area imaginable – from new glass products, lifting equipment and systems, window hardware, advanced door security to engineered interactive displays. The innovative range on show served as a comprehensive survey of the latest glazing technology and glass processing machinery.

Many exhibitors displayed their support networks, including sales masterclasses, business planning services, management consulting, and apprenticeship information. The exhibitors featured products across every sphere, including residential, commercial, industrial, and automotive. The scope of the displays extended far beyond technology and construction to encompass a comprehensive suite of glazing industry solutions. In excess of 16 tons of fully operating machinery was on display, while many exhibitors chose AusFenEx16 to launch new products and incorporate ingenious interactive systems to engage with delegates.

In this extremely strong field of exhibitors, the judging panel awarded the Best Stand to LiSEC, a leading glass processing machinery supplier. LiSEC took out the award for their visually striking display, professional appearance, quality of information available, and expert knowledge and engagement of those LiSEC representatives manning the display. Congratulations to LiSEC, and to all the other national and international exhibitors who showcased their strengths at AusFenEx16.

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Lunch Day 1
MORNING TEA DAY 1

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Xose Hermida - Tecglass S.L., Joshua & Simon Ianni - Argunit IG
> Thomas Lenze - LISEC and Peter Rowsthorn - Comedian
Accepting the award for the Best Exhibition Stand at AusFenEx16

> Michael Edwards - G.James, Ben Driessen - G.James, Rachel Driessen - G.James, Gary Smith - AWA

> John Camovale - AGGA, Rod Betts - Commercial Windows and Doors
All LiSEC customers have very carefully considered quality of manufacture, innovation and reliability when making the final decision to invest in new glass processing machinery. And as with every quality brand, LiSEC Australia aim to surpass our customers’ expectations with the quality of our after-sales support services.

I am exceptionally proud of the skill and combined talents of our technical support team in Australia - as LiSEC take the global lead in innovation and in delivering the very best in glass processing technology, so too do our technical support team.

LiSEC customers globally are assured of the largest possible support network world-wide and Australia is no exception. Our region has such vast distances to cover, we now have technical support teams based across the country.

Regular routine maintenance and servicing guarantees minimal down time, as does our rapid response support policy and stocking the largest parts inventory in Australian of any machinery supplier.

Our LiSEC company philosophy is our ‘beginning to end’ service offering – and at every touch point on the journey, we aim to offer our customers only the very best.

Sandro Ianni, General Manager - LiSEC Australia

Jeff Moulds, National Service Coordinator - LiSEC

Jeff is a dedicated manager and team leader with an unrivalled depth and breadth of experience. Recently marking 30 years in various engineering roles and overseeing plant and equipment maintenance and repairs, Jeff’s experience has included overseeing the relocation and installation of entire manufacturing plants to off-shore locations.

His extensive industry involvement has made him a passionate advocate in promoting safe workplace practices, sharing his comprehensive knowledge and experience with others, and successfully building strong team environments.

Beginning his career as a toolmaker, Jeff now commands significant expertise in the design, manufacture and maintenance of product and machinery, and has been heavily involved in plant commissioning, repair, refurbishment and preventative maintenance.

Jeff’s role within the LiSEC Australia team is to ensure customer expectations are not only met but exceeded, that regular service and maintenance programs are scheduled to best accommodate busy production schedules, and most importantly, the most qualified and skilled LiSEC technical support team are working on the job.

Jeff Moulds, National Service Coordinator - LiSEC

John Foster, Service Manager - LiSEC

Recognised widely for his exceptionally broad skill base, John has close to 30 years experience in engineering, including 17 years with the LiSEC group, in Australia, the UK and Ireland. Training initially as a Royal Air Force Technician in electrical and mechanical engineering, John now specialises in installation, maintenance and fault diagnosis across a range of glass processing machinery. He is recognised widely for his attention to detail, a passion for learning, and a keen interest in new technology.

John has a wide range of current responsibilities with LiSEC Australia, including installation, maintenance, fault diagnosis, troubleshooting, commissioning, and personnel training. He has expertise in electrical, mechanical, PLC and servo control, pneumatics, hydraulics and machine control software. Working as lead engineer on multiple installations, John is responsible for customer liaison and overall schedule control.

John’s impressive employment record, including Lead Service Engineer for Lisec UK and Ireland has provided invaluable experience, and working with some of the UK’s largest and highly automated glass processing facilities has positioned him well for his role at LiSEC Australia.

John Foster, Service Manager - LiSEC

Dieter Krause, Technician - LiSEC

With his career spanning some 50 years in manufacturing, Dieter is widely respected for his depth of knowledge and technical abilities. He has held management roles with a number of international manufacturing groups, and was directly responsible for the installation and commissioning of Australia’s very first fully automated IGU line.

Since joining LiSEC Australia in 2010, Dieter has installed, commissioned and maintained LiSEC machinery throughout the region. With ongoing development in machinery technologies, Dieter has regularly undertaken training, both locally and at LiSEC facilities in Austria and Italy, to ensure his knowledge remains current.

Dieter has been instrumental with the introduction of staff training, in both production systems and maintenance procedures, and is recognised as a highly effective communicator to ensure that all manufacturing teams operating LiSEC machinery are able to maximise their production capacities. Dieter offers technical support and advice on all LiSEC machinery. Very few can match his knowledge of glass processing machinery and equipment, and even fewer can match his experience.
Best technical support team, Australia-wide

Andrew Donnelly, Technician - LiSEC

Andrew is an experienced Victorian-based A Grade Electrician with over six years’ experience working in large manufacturing and consumer goods industries. He also holds a certificate in mechanical engineering, specialising in instrumentation and electrical mechanics.

Andrew is recognised within the LiSEC technical support team for his accuracy, speed and efficiency. He strives to ensure that timeframes are not only met, but exceeded.

As a meticulous craftsman consistently producing high-quality workmanship, Andrew possesses widely acknowledged expertise across multiple fields of electrical installation, maintenance and repairs.

Andrew’s extensive skill set and problem-solving abilities also encompass troubleshooting, hazard identification, and preventative maintenance to ensure minimal downtime. He is a highly effective, skilled and collaborative worker, producing an unrivalled quality of workmanship, ably backed up with excellent communication skills.

James (Jim) Benn, Technician - LiSEC

Jim is a multi-skilled Electro/Mechanical Engineer with over 20 years’ international manufacturing and production experience. He has an unbeatable breadth of knowledge in the commissioning, installation, maintenance and repair of plant and mechanical handling equipment.

Jim also has an exemplary aptitude for electrical and mechanical fault diagnosis, coupled with an unrivalled ability to resolve inefficient operational processes and create highly effective energy-saving strategies.

Information Technology is another of Jim’s major strengths. Possessing a highly detailed technical skill set, Jim has accumulated valuable experience in code programming and front-end user interface design. Jim is defined by his dedication to optimising production capacities while maintaining a safe work culture. His many roles over the course of his extensive engineering career have contributed to his ability to achieve impressive efficiency gains and cost savings for clients by dramatically slashing equipment downtime.

With continuous improvement being his personal and professional goal, Jim has built up a well-deserved reputation within the LiSEC Australia team for his quick thinking and problem-solving abilities.

Rick McNeice, Technician - LiSEC

As an automation machinery specialist and highly qualified Electrician, Rick has worked in a diverse range of challenging positions throughout his career, including Project Electrician and Leading Hand Electrician. Rick is recognised for his depth of knowledge and diagnostic skills but even more so for his focus on safety. He is deeply committed to quality workmanship and has honed his expertise over many years spent working on a range of large-scale, high-value mining and industrial projects across a broad range of industry groups.

Rick has an impressive and extensive roster of qualifications; his extensive experience extends across multiple areas, encompassing underground HV, above-ground LV and all ELV cabling installation, power and control installations, terminations, instrumentation device installation, and multiple transmitter types. Rick’s detailed practical experience extends to pipe work, panel replacement and equipment safety testing. His breadth of knowledge and experience firmly positions him as an integral member of the LiSEC Technical support team.

Lukáš Bareš - Technician - LiSEC

With close to 10 years in the industry, Lukáš is a Mechanical and Electrical Engineering graduate whose practical experience extends across many areas. In his first role at Czech-based company Isotherm SRO, Lukáš was responsible for technical support services including the maintenance and repair of all LiSEC glass processing machinery.

Lukáš is recognised as a strong team player within the LiSEC Australia group and his many capacities include calibrating machines for optimal production capacity and conducting operator education and training. His IT experience encompasses a suite of industry-based computer programs, including AutoFab, Lineserver, GPS_Prod, GPS_Order, Remakepool and Dynopt.

Within his technical support service role, Lukáš is responsible for the maintenance and repair of LiSEC processing lines, cutting, automatic storage systems and IZO lines. His experience also extends to the repair and maintenance of PBS, ATH, ATL, ESL, KSR, VHW, RTVN, ASM, ABF, RTVN-MZ, FPS-U, VFL, ARL-F, LBH and BSV machinery.
LoE³-340 produces an unprecedented Solar Heat Gain Coefficient (SHGC) of 0.18. What sets it apart from the rest is that it doesn’t compromise visibility; achieving a Visible Light Transmission (VLT) of 38%, well within the desired range for commercial buildings. It also comes standard with Neat® easy-clean technology, a special coating which harnesses the sun’s rays to lift dirt so the rain can wash it away.

LoE³-340 must be incorporated into an IGU. Stated performance numbers are based on 4mm LoE³-340 | 12mm Air | 6mm Clear.
LoE³-340 produces an unprecedented Solar Heat Gain Coefficient (SHGC) of 0.18. What sets it apart from the rest is that it doesn’t compromise visibility; achieving a Visible Light Transmission (VLT) of 38%, well within the desired range for commercial buildings.

It also comes standard with Neat® easy-clean technology, a special coating which harnesses the sun’s rays to lift dirt so the rain can wash it away.

LoE³-340 must be incorporated into an IGU. Stated performance numbers are based on 6mm LoE 3-340 | 12mm Air | 6mm Clear.

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When we make a promise of performance and reliability, we see it through.
The West End Brewery project was amply rewarded during the AusFenex16 conference, with its many virtues celebrated by the judges. Against tough competition in this category, Construction Glazing’s West End Brewery Façade upgrade was chosen for its technical expertise, heritage sensitivity and visual impact.

The project called for a combination of speciality skills and expertise in both the design and construction to ensure maximum impact was achieved in the renovation of this Adelaide icon. High light-transmittance glazing systems were incorporated throughout the façade and were highly commended by the judging panel – a perfect choice to show off the 77-year-old brewing kettle, which now forms the focus of this much-loved building.

The West End Brewery project also won accolades for its use of toughened and laminated internal barrier glazing, which complements the overall design by enhancing the visitor experience during the increasingly popular factory tours. The overall crisp lines of the façade glazing drew significant praise from the judges, who commended Construction Glazing on this expertly executed and beautifully finished project.

Tim O’Sullivan, Customer Sales Manager with Construction Glazing, explains the challenges and rewards of being part of the process of rejuvenating and transforming this historic structure.

‘When we began work on the West End Brewery Façade, we were delighted to be working with local South Australian builder, McMahon Services, who have a long history and extensive experience with local projects,’ says Tim.

‘We also had the pleasure of seeing McMahon Services pick up the MBA Award for their work on the same building. Receiving these awards and industry recognition makes us all extremely proud – it’s a real honour to be involved in such a high-profile restoration.’

As you might expect, there were many challenges involved with such a complex undertaking. The largest of these by far on this project was the restricted onsite access. ‘We had to work with a full-height hoarding for the entire project, which concealed the project from the public eye but also gave us limited room to move,’ Tim explains.

‘The exterior façade was printed with a two-storey-high artist’s impression of the building. We had to painstakingly manoeuvre every one of those glass panels over the hoarding, then carefully position them in behind the scaffolding on the other side.’

The many challenges were only overcome with careful planning and a lot of painstaking effort. ‘One of the project’s major aspects was the antique (but still operational) copper brewing vat, which forms the centrepiece of this new renovation,’ says Tim.

Detailed collaboration was the key to the project’s success. ‘From the beginning, Construction Glazing worked closely with McMahon Services and their team of structural engineers to design a glass façade that showed off the brewery’s impressive heritage, as well as serving as a focal point for the area.’

> Photography Lyndon Stacy, Text by Tim Roberts
AGGA DESIGN AWARD WINNER – COMMERCIAL OVER $50K

CASE STUDY (CONSTRUCTION GLAZING)
The visually impressive and technically demanding façade incorporates 3000mm x 1500mm glass panels coupled with recycled red bricks and Alucobond cladding, reflecting this West End site’s industrial heritage as a major Australian brewer with an important place in the state’s history.

‘With the help of Inhabit Group, our Façade Engineers, we were able to create a visually pleasing design that allowed for both high visual light transmission and thermal performance, during daylight hours and while illuminated at night,’ Tim explains.

‘Fortunately, we were able to meet the project’s performance criteria by using a Cardinal Low-E i89 glass in a toughened laminate, produced by local company Chevron Glass. Construction Glazing also supplied and installed the internal glass balustrades to the new walkways accessed daily by the public and tourist groups. The balustrades feature a toughened laminated clear glass, also manufactured locally by Chevron Glass.’

More challenges were to come. ‘Due to the minimal tolerances available for this method of glazing, we had to be meticulous with our surveying, set-out, and installation of the spider fittings and perimeter framing,’ Tim recalls. ‘Each fitting had to be individually drilled, tapped, packed and fixed by Construction Glazing on site; the methodical accuracy made installing the glass panels a surprisingly quick process, with minimal crane time required. Construction Glazing’s senior site supervisor Daryl McClory had a pivotal role in this area, using his years or experience to ensure install and sequencing met the project time frames and constraints.

To ensure the project’s success, the Construction Glazing installation team worked tirelessly to overcome the challenges of a confined workspace in a busy and fully operational brewery and tourist facility. Their work was in close proximity to the busy main entry, and frequent vehicle access delivering supplies to the brewery site was a constant during the lengthy construction stage.

Forming the centrepiece of its surroundings, the West End Brewery now fulfils a vital dual purpose as a working brewery and a major tourist draw-card. Congratulations to Construction Glazing for their dedication to bringing this dream to fruition.
Vertmax is the vertical solution for the production of shower doors, balustrading and structural glass. The fully integrated and automated process includes all internal and external machining and polishing. From cut sizes, the Vertmax will automatically produce finished glass products for the furniture and building industries; double drilling and routing, polishing and extreme high speed arrising, squareness and integrating grinding to size. All types of glass including float, laminated and multi-laminated glasses are finished to the highest quality and precision, using proven Intermac CNC expertise.
CASE STUDY (WELLFIX)
Bends and Curves
at the Old Clare Hotel

AGGA DESIGN AWARD WINNER
- COMMERCIAL UNDER $50K

The Old Clare Hotel is one of the crown jewels of the redeveloped Kensington St precinct in Chippendale, a vibrant heritage suburb in inner-urban Sydney. It combines the 1939 Art Deco pub with the Victorian-era 1915 Carlton United Brewery Headquarters in a contemporary, imaginative and respectful transformation.

The illuminated glass-clad oval bar forms the centrepiece of the Old Clare Hotel’s reincarnated original bar space, with the malty glazed colours selected to satisfy the designers’ requirements of referencing the history of the former Tooth & Co. Brewery site next door. The golden tones glazed throughout the interior echo those of beers formerly brewed by Tooth & Co. – KB Lager, Kent Old Brown, and Resch’s.

In the bar’s beautifully warm interior, Wellfix face-glazed 112 pieces of curved and flat glass into the recesses of the bar and reception counter’s industrial-style steel structure. The Wellfix winning submission was chosen for its technical complexity, as well as its satisfying resolution of a design proposal.

The expertise and use of technology to deliver a unique solution to a complex design issue is well showcased in this project, which has received extensive critical acclaim – both for the designers, and for the glass and glazing contractors.

Steven Wellfare of Wellfix Glass & Aluminium, who worked on this award-winning renovation, explains the challenges and rewards of the process of transforming this historic site for a modern audience.

Like many projects of this type, the initial stages were full of negotiations and a lot of back-and-forth. ‘The architects we worked with, Tonkin Zulaikha Greer, weren’t keen on the colour palette in the initial design,’ Steven remembers. ‘They were very particular, and there was a detailed brief and discussion process to ensure that the tones worked in tandem.

‘There were also challenges with the aesthetics along the way, because of the subtlety of the glazed colour scheme and the lighting behind it. The oranges and reds had to be identical throughout, so there was a lot of toing and froing with the architects to make sure everything worked out perfectly in the end, which it did!’

For Steven and his company, the experience of this project was dominated by positive aspects. ‘Doing the Old Clare Hotel with my team was a lot of fun, highly creative, and very fulfilling,’ he says. ‘My leading hand, Jared, was indispensable on this job – he loved the whole process, and was even more hands-on than I was.’

Working with the complex interior of this much-loved Sydney landmark was a challenge even for such a seasoned team, but there were certain advantages. ‘There was a laser-cut bar already installed in the hotel’s interior, and we were able to make templates on the radius for each corner,’ Steven remembers. ‘Fortunately, because of the precise cutting, the dimensions of the bottom of the bar almost exactly mirrored the top. There were only very minor variations, so we were very impressed!’

Wellfix Pty Ltd worked very closely with Stephen Togher and his team at Bent & Curved Glass to ensure the project’s success. ‘All glazed pieces for the interior went to Bent & Curved Glass, who shaped them and inserted the interlayers,’ Steven says. ‘Everything had to be absolutely spot-on when it came back ... and it was. There were over 100 pieces of glass to be installed in the hotel’s interior, and only a couple of panels had to be redone.’

As with all projects of this size, there were challenges to be overcome. ‘There were a few bumps in the road with the delivery and storage of the glass,
but we sorted them out,’ says Steven. ‘It looks lovely in the photos now, so it’s easy to forget that it was an intensive building site at the time of construction. The complex nature of the interior meant that precision was essential, even amid all that intensive work being conducted. Each panel was numbered, and if only a single one of them was installed in the wrong order, everything had to be thrown out and started again.’

Many aspects of the project proved satisfying to Wellfix Pty Ltd. ‘The curved glass and the interlayers were the real standouts for us,’ Steve notes. ‘There were many different colours within the glazing, along with a multitude of different-coloured lights behind it. We installed everything onto fixing tape, and silicon wet-sealed it externally.’

While the interior’s subtle colour scheme might seem to point to a difficult installation process, the reality was anything but. ‘Apart from the logistics of getting the colours and curves of the glass perfect, the installation was surprisingly straightforward,’ says Steve. ‘It was also unforgiving, though – when you work with curves, being out by a single millimetre at the bottom would have thrown the whole trajectory out. Yet it was easier than it could have been – because it was a bar rather than a staircase, we had an existing foundation to build on.’

Many remaining features at the Old Clare Hotel provide a strong link to the industrial past. ‘There was even an old brewery behind the building,’ says Steven. ‘The owners have honoured the building’s rich heritage by keeping the existing tiles on the walls, which has retained the character of the original bar alongside the modern additions to the Art Deco style.’

For Steven, working in this fascinating area of Sydney was a real joy. ‘The bar has a very interesting history, and we were very happy to be involved in it,’ he says. ‘That area was a real working-class zone back in the day; though that was some time ago now, the surrounding area still retains much of that character.’

The area has personal resonance for Steven. ‘Growing up, I spent a lot of time in this area, so it’s got a lot of meaning for me,’ he says. ‘I really feel the connection whenever I have a drink at the Old Clare Hotel, which is a really rewarding space to be.’ We couldn’t agree more, and congratulate Wellfix Pty Ltd on their much-deserved award for this beautiful heritage project.
EXPOSED 90
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Cowdroy Exposed 90 Sliding Door Set adds a special look to ordinary doors and doorways in the home, office or place of business by incorporating a stylish industrial look to doors and functionality.

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AGGA DESIGN AWARD WINNER – DOMESTIC OVER $20K

Designer: Mark Gacesa of Ultraspace  Builder: Stewart Homes Pty Ltd
G.James was recently awarded the Best Residential Project Over $20,000 for their Mt Mee residence, an extensively glazed rural home in an unforgettable setting.

Situated in the stunning, rugged area of Campbells Pocket an hour north of Brisbane, this exquisite home provides the ideal focal point for the dramatic natural backdrop of Queensland’s Glasshouse Mountains. The vista extends still further by night, with viewable highlights including Moreton Bay and the Sunshine Coast.

The clients were eager to take full advantage of their natural panorama and stipulated three key criteria: first, the view is paramount; second, the home is to be visually appealing – both inside and out; and third, there is to be as much uninterrupted glass as possible.

To ensure these conditions were fully met, a variety of innovative glazing solutions were introduced. Throughout the residence, the glazing achieves a level of technological expertise that enhances the sheer pleasure and liveability of the house’s interior spaces.

All building materials, including the glazing systems were selected with the greatest care – Clear Sunergy was chosen for its all-round performance, including visible light transmittance, neutral appearance, low reflection, thermal insulation and solar control.

Ventilation is extensive - the house utilises innovative measures such as bi-fold doors, Aneeta windows and louvered windows, along with a full-width concealed sliding door at the western end. Louvres were selected for their ‘total area’ opening, and these characteristics combine to achieve optimum airflow from three directions.

Most impressively, specification of the right glazing system throughout has enabled natural daylight to flood the home while providing superior thermal performance. The residence’s total glazed area of 234m2, or an incredible 30% of the total wall area, is highly notable in its own right – but the fact that a house with such extensive glazing levels also went on to collect a 6-star Energy Efficiency Assessment is even more impressive.

To get to this point, every path to energy conservation has been pursued in great detail, all glazing required superior thermal insulation, low reflection, solar control and clear visibility. This was carefully considered throughout the home in every application, including the bi-fold doors, Aneeta windows and louvres, frameless glass corners, and high-level glazing. This was also ensured by the skill of the installation team and master builder, working in tandem to achieve an extremely high level of precision and workmanship. Their eye was always focused on the detail and to achieving an exceptional finish.

The full-width opening concealed sliding doors, combining energy-efficiency and home security. The expanse of glazing again maximised natural light, allowing the panorama of the outdoors in.

‘The entire design and build process is a testament to effective collaboration,’ says Mr Greg Lewis of G.James. ‘Ultraspace designed the project, and Stewart Homes the builder.’

‘The original window schedule for the whole house was shelved during construction and completely redesigned. Multiple windows were replaced with single sheets of glass,’ Greg notes. ‘In the main living area we collectively came up with a solution to install the...’
The largest panel of Australian manufactured toughened laminate possible - that wasn’t an easy ask – we couldn’t have created it any bigger in Australia, or it would have had to come from overseas. This window was complimented by silicone butt corners and an innovative support bracket”.

“We all share the accolades - a combination of talents including the Ultraspace’s innovative design, Stewart Homes’ experience and skill to incorporate that massive glazed panel into the project, and G.James’s ability to supply and install the customised, oversized glazed panel” Greg continues. “It’s a superb result, of which we’re all extremely proud.”

The project’s success hinged on all three of us having good communication, clearly identifying our aims and pursuing every possibility. As the designer, builder and supplier, we said: “here’s what we want to achieve,” “here’s what I can build”, and “here’s what we can supply.” This collaboration has resulted in a unique and stand-out residence, built to exceptional standards.

Although the glazing is the most prominent feature, distinctive touches occur throughout. “There’s plenty more detail in the house that isn’t revealed at a glance, extending well beyond the glazing,” says Greg. “You can’t see any door handles, or a screw or rivet anywhere inside the house - the attention to detail is of such a high standard.”

An emphasis on innovation has greatly enhanced the owners’ experience on this site, the interior is awash with natural light and open to inspiring panoramic views. The Mt Mee residence is destined to become a classic of residential design – both in terms of its ambitious environmental footprint and its daring use of materials.
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Overseas Glass Agencies is the proud representative for Neptun glass processing machinery

Neptun’s ‘Edge To Shape’ breakthrough

The patented ‘ETS’ system allows the ROCK edging machines to edge glass sheets with guaranteed finished size and squareness tolerances, or even controlled out of square edging, also to tight finished tolerances.
Adelaide Glass Guys supplied and installed balustrading to this award-winning residential property using a standoff pins system to a mezzanine floor. The project is defined by the handrails flowing all the way down the stairs to ground level, coupled with a glass balustrade installed in the stairs area.

Rod Griffiths from Adelaide Glass Guys discusses the artful and striking Trinity Gardens renovation project.

‘We worked with building group Adelaide Prestige Homes,’ says Rod. The project required a significant degree of ingenuity to achieve a professional, safe, compliant and visually attractive result. ‘To ensure the brief was fulfilled, we had to flow handrails through with the balustrade all the way down the stairs, right to ground level,’ Rod says.

‘Safety is paramount, and depending on the glass product specified, a handrail is now essential for every balustrade with a drop of over one metre. As the mezzanine floor was over 2.7 metres above ground level, it was essential to extend that handrail the whole distance.’

Aligning the glass balustrade with the rest of the stairs and ensuring the project was fully compliant wasn’t easy. ‘It was definitely a challenging job – anything but straightforward,’ Rod notes. ‘However, we did everything possible to deliver what the architect required.’

When the Adelaide Glass Guys reviewed the final plans, they realised that further challenges were ahead. ‘Because the handrail originally specified wasn’t physically possible, we had to think laterally,’ Rod remembers.

During a series of redesigns, the Adelaide Glass Guys assisted with a revised plan that was workable. ‘We settled on the idea of introducing another stainless steel element to flow with the metal handrail. To make everything work, we had to install a handrail on the opposite wall to the one that was originally intended.’

The glazed panels had to be custom-designed to meet the project brief. ‘The stairs area also needed templates to be taken, so that we could get the right glass panel shapes to flow seamlessly down the stairs,’ says Rod. ‘We could have used fixed 25mm pins – but as the frontage varied by 5 to 6mm, we decided to use ones that could be wound in and out,’ Rod reveals.

The standoff pins were perfect for the specialised job, as Rod points out. ‘The stainless steel pins enable the balustrade to stand right off the wall,’ he says. ‘By using this method, we could make the balustrade flush with the wall in a concealed manner.’

It was a fortunate decision. ‘When we went to put the glazed panels in position, we had to precisely manipulate the pins to make sure everything was perfectly straight. Many times during the installation, we put the glass on, said: “No, that’s not right, take it off!”’, then reapplied it again until it was all dead straight.’ The results of this attention to detail speak for themselves.

Once the decision had been made to use adjustable standoff pins, the team encountered another challenge. ‘The wall was originally specified as timber – but when we did the installation, we discovered a C-Channel iron beam that nobody told us about,’ Rod recalls. ‘To remedy this, the 10mm steel beam had to be tapped so that a threaded bolt could be installed.’

> Photography courtesy of Adelaide Glass Guys, Text by Tim Roberts

AGGA DESIGN AWARD WINNER
- DOMESTIC UNDER $20K
Given all these trials, the timeframe was challenging, taking only four days from start to finish. Yet the Adelaide Glass Guys team met the schedule, forging ahead without sacrificing quality.

And in yet another drama, the original dimensions of one of the glazed sheets had to be adjusted to accommodate the dimensions of the roof cavity. ‘We had to put a piece of glass in the eaves where the roof rakes down, which was fine – but there was a 15mm corner in the roof,’ Rod says. ‘We had to get a custom piece cut and toughened quickly, as the original wouldn’t fit; the corner on the replacement piece also had to be raked to flow smoothly with the roofline dimensions.’

This award comes on the heels of another richly deserved gong for the Adelaide Glass Guys. ‘We also won last year’s award for Domestic Project Under $20K in South Australia, for a pool fencing project,’ he says. ‘Our company predominantly does pool fencing, and we’ve only recently begun installing balustrades.’

Twice honoured by the committee, Rod strongly advocates entering work for awards. ‘Some people are reluctant to submit their work in competitions, as they’re worried that it’s not going to be good enough ... but I say, go for it! As a business owner, it’s been hugely beneficial for me to have won two years in a row, which really makes a strong impression to prospective clients. For that reason, I’d really love to see more firms making the decision to enter their work for awards.’

It’s an inspirational message from this double-award-winning company.
ABOUT THE COMPANY

MASCHINENBAU RADOVANOVIC GmbH, an Austrian based company, was established in January 2016. We specialise in the area of building machinery for the glass industry. Sole proprietor Dragan Radovanovic has more than 30 years experience in the glass industry and has strong links to Australia. During his career he was manager of a large company, taking care and advising countless customers all over the world. MASCHINENBAU RADOVANOVIC GmbH currently employs 15 people, all with years of experience in the glass industry. Subsidies in Europe are already established and a partnership in Australia is under construction.

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Our float cutting line with a double loading station will be installed in September of this year in Sydney. We use linear drives as a standard. The suction cups are positioned by spindle, can handle any stock size and properly position the sheets for transport onto the cutting table. Optimisation will be implemented with the Australian software company, Inmatic.

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A prominent feature of KicoGlass is KicoDraw, it is an easy to use tool that requires no prior CAD design knowledge. You can simply draw a shape or pick it from a catalogue. Once the outline is defined it will show you all measurement entries you could possibly need. Just enter those you know and it will calculate the other ones and draw to proportions. Next you can specify edging and place cut-outs you pick from another catalogue, and you can specify a lot of other processing as well. You can design your own catalogue of predefined shapes and cut outs too, or you simply use and extend the ones we provide.

There are several additional options available for KicoGlass as well. KicoProd is a simple production support tool that allows you to print a production sheet per order and labels for every piece, with a barcode on it to report progress. You can integrate KicoGlass with your accounting software, for example MYOB or Xero. Furthermore you can integrate KicoOpt, our layout optimisation tool, to calculate layouts on stock sheets and generate cut code for your glass cutter. You can prioritise pieces so they come early in the layout and you can specify frequently used small pieces so they are used as fillers only. KicoPlan is planned to be released later, a more advanced production planning tool for larger companies for scheduling their jobs. You can prioritise jobs and there is a function to slot in new jobs as they arrive, giving you a quick delivery date. Like KicoOpt, KicoPlan has to be installed on a local computer, but production plans are stored and managed on the server in the cloud.

We have recently teamed up with Maschinenbau Radovanovic GmbH, (see previous page) an Austrian based company that will be installing their first glass cutter in Australia in Sydney this September and our software KicoOpt will be implemented in this project.

To sign up for a free trial visit www.kico.com where you can also find details of pricing and subscription levels and view tutorials on how KicoGlass works.

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WA Awards

Glass Person of the Year – Vince Bianchini
Vince began his career in the glass industry in 1992 at Pilkington’s, and has worked for many renowned companies including Walsh’s Glass and Glazewell. He became Sales Manager of Cooling Bros. in 2001, and is now Company Director.
After joining the GWA committee in 2000, Vince served as its President from 2010–13. His boundless dedication and sheer hard work is renowned throughout the industry, as are his efforts to address industry compliance and adherence to Australian Standards.
Vince constantly endeavours to think outside the square, and he seeks a positive outcome in every scenario. He is an enthusiastic fisherman and sailor in his spare time, but all who know Vince know that his family is number one.

Apprentice of the Year – Chris O’Brien, Cooling Bros.
Chris began at Cooling Bros. as a mature-age apprentice, and is now involved in fabrication and commercial installation. Recognised for his superb work ethic and meticulous work sites, Chris constantly strives to improve his rapidly growing skill set and industry knowledge.
Now entering his 10th year with Cooling Bros., Chris is widely respected for his energy, commitment, attention to detail and his ability to build on sound customer relations.
Chris was also the recipient of the inaugural National Apprentice Award 2016.

Domestic Under 20K – Jason Windows, Archipelago Home
This superb renovation featuring exceptional glazing makes the alfresco space a central feature of the home. The servery bifold and stacking doors enabled the indoor and outdoor areas to flow freely and allowed for no visual obstructions or obstacles. Jason Windows expertly modified their bifold suite to meet this demanding brief, creating a functional and highly versatile space.

Domestic Over 20K – WA Special Projects, Hillary’s Residence
This visually stunning home features a unique combination of multi-faceted glazed elements. WA Special Projects installed multiple intricately shaped double-glazed units throughout the building. Another notable feature is the bespoke frameless glass stair balustrade, spanning two levels. The company’s peerless workmanship is also evident in the custom-shaped bifold panels with switchable glass.

Commercial Under 50K – Jason Windows, Ford & Doonan Warehouse
The judges were deeply impressed with this simple yet effective aesthetic finish to the building’s front elevation. The deciding factor for the judging panel was the complex fabrication and installation of the glazing. This intricate construction was required in order to align the blind mullions and silicone joints of the first-floor windows, with façade joints both above and below.

Commercial Over 50K – West Perth Glass, Corpus Christi Gym
This striking building was constructed to an incredibly high finish, with the judges particularly impressed with the combination of various glazing elements throughout. Standout features included the contrast between the burgundy glass cladding and the silver bifold frames, segmented windows (with curvature artfully complementing the internal staircase), frameless pivot doors, and electrical louvered walls.
NSW Awards

Glass Person of the Year – Jim Stevens
Jim Stevens’ career has been defined by his love of travel and variety. He began his glazing career at Robb and Brown Glass in Brisbane, then moved on to Yenken Sandy. After an interlude in North Queensland, he moved to Wollongong and joined T&K Glass (subsequently Pilkington’s), where he worked for several years. Jim then moved on to Sassall Glass, staying with the company for two decades. He subsequently worked for G.James in Brisbane, then headed back to Sassall. Finally, Jim began work with Sydney Glass in 2009, where he has remained since. A true ‘character’ who has greatly enlivened our industry in many and varied ways.

Apprentice of the Year – Patrick Rodwell, Express Glass
Patrick joined the Express Glass team as a third year apprentice and was immediately recognised for his hunger to learn and strong work ethic. He takes exceptional pride in his work, and during his time at Express Glass, has covered the full complement of installation work, and excelled at every opportunity put to him. Patrick loves the job and the challenges, and attempts every task with a ‘can do’ and professional attitude. He shows leadership attributes and excellent communication skills, and is exceptionally proud of his trade and qualifications.

Safety Award – G.James Glass & Aluminium, NSW
To directly impact on workplace safety, G.James has installed numerous Armatech and Fermatech lifters, which have benefited those in their workplace considerably. Reducing the potential risk for bodily stress and injury during manual handling and glass processing, the glass vacuum lifters are easily operable by employees, with manual handling now virtually eliminated. This technological advancement has key benefits for the company, especially given the average age of the workforce and vastly expanded worksite. The installation of these lifters has ensured increased safety for employees.

Domestic Under $20K – Palmers Glass, Paddington Sub-Station
This 1916 electricity substation has received a highly sensitive renovation, with an original electrical trench forming the redesign’s centrepiece. This has been converted by Chris Fox Studio, encasing the original feature within an installation of intricate glazed panels; the building’s main light source also doubles as a grand entrance. A seamless blend of modern and classic, this renovation respectfully updates the building’s industrial past.

Domestic Over $20K – DecoGlaze, Tama House
With a three-storey lift foyer and stairwell, fully lined with DecoGlaze coloured and toughened glass, this extension required cut-outs to all stair treads and finely mitred joints necessitating precise measurement, template manufacture and installation. The tread cut-outs combine the highest inspection standards with maximum visual impact. The building is easily accessible from street level, with a stunning level of artisanship on display throughout.

Commercial Under $50K – Wellfix Pty Ltd, The Old Clare Hotel National Winner
The Old Clare Hotel project masterfully renews the original 1915 Carlton United Brewery Headquarters. The renovation’s centrepiece is the illuminated glass-clad oval bar, with colours reflecting the former Tooth & Co. Brewery site. The project was selected for its technical complexity, with highlights including the 112 pieces of curved and flat glass in the recesses of the bar and reception.
SA Awards

Glass Person of the Year – Adrian Guerin
Adrian began as General Manager of Central Glass before taking over as Managing Director. During his time at Central Glass, Adrian took the company from predominately a glass processor supplying the furniture market to a major force in commercial and domestic glazing. Adrian spent three years as GGASA President, as well as 11 years as Vice President. He has taught on the Executive Committee for nearly 30 years, and has been an integral player in all aspects of the South Australian Glass Industry. A fanatical Crows fan, and devoted to his wife, daughters and grandchildren, Adrian’s three decades’ dedicated service to the industry is greatly appreciated.

Apprentice of the Year – Ashley Adams, Unley Glass
Ashley Adams is a fourth-year apprentice, and has been a valuable part of the family business of Unley Glass for five years. With a peerless work ethic, impeccable attention to detail and a desire to know more, Ashley has the passion, work ethic and drive to succeed.
Ashley is a key part of the company’s workforce, doing whatever he can to help his employers. Earlier this year, Ashley was awarded the Certificate III in Glass and Glazing Award as well as SA Apprentice of the Year.

Safety Award – The Adelaide Glass Guys
This award was given to the Adelaide Glass Guys for addressing the problems of lifting and carrying glass for the installation of pool fencing and balustrading. Carrying pieces of glass up to 80kg caused significant strain on workers’ backs, knees and arms, with some jobs requiring up to 15 pieces of glass to be moved up to 60 metres. The solution was an A-Frame trolley which could access narrow spaces, and sourcing appropriate back braces to reduce strain when lifting sheets on and off the trolley.

Domestic Under $20K – Adelaide Glass Guys, Trinity Gardens National Winner
Adelaide Glass Guys supplied and installed balustrading to this impressive residential property with a mezzanine floor and custom glazed handrails. The latter was engineered in consultation with the builder, and the glazed panels in the stair area were also required to meet precisely designed templates. Despite these challenges, this complex job was completed in just three days.

Domestic Over $20K – Federation Glass, Stephens Terrace, Gilberton
This first-class domestic project uses high-performance Low-E glazing extensively. Its many distinctive features include Lacobel Deep Black toughened glass, lining the internal gallery walls. The many other notable glazed features include a toughened glass splashback surrounding the alfresco BBQ terrace, custom sandblasted shower screens, a striking LED-lit jewellery cabinet, and a 90-piece glass roof linking the gallery, conservatory and courtyard.

Commercial Under $50K – Barossa Glass, Seppeltsfield Winery
Barossa Glass installed the glazing at Seppeltsfield Winery, a challenging project, involving the fabrication of a complex handrail and balustrade. The project’s notable features include a dining area with frameless glass partitions, a frameless hydraulic glazed door, and a fireplace feature with concealed lock and magnetic catch. This well considered design featured extensive glazing.

Commercial Over $50K – Construction Glazing, West End Brewery National Winner
The West End Brewery façade upgrade was a project undertaken by Construction Glazing, who joined forces with McMahon Services to create a memorable, heritage-sensitive façade. Co-designed with engineering firm, Façade Group, the design features superb light transmission for day and night performance, using toughened laminate Cardinal Chevron glass. Construction Glazing also supplied and installed the glass balustrades throughout the brewery, with all work completed on budget.
Digital Ceramic Printing
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The highest quality at a highest speed.
Domestic Under $20K – Saward Glass, Wynyard Home

The Saward Glass brief was to obscure vision into a walk-in pantry from the dining room. The extensive use of slumped glass exceeded the client’s high expectations, and the unique design and techniques used in the manufacture yielded stunning results. Greg of Saward Glass added a personal touch by incorporating the client’s son’s cake recipe into the glazing.

Domestic Over $20K – Commercial Windows & Doors, Yarnell Residence

The renovation of this period home converted a solid door to a seamless glazed pivot door with full-height overhead highlight, leading to the impressive meals, living and kitchen area with custom splashbacks. This new installation features a partially sandblasted mirror, back lit with LEDs and a double-glazed unit with electronic internal blinds. The light and spacious extension includes electronic awnings and stacking sliding doors, featuring over 65% glazed wall area.

Commercial Over $50K – Hobart Glass & Aluminium, Myer Icon Building

The unique design for this iconic Hobart project was provided by Design Haus Architects. Combining concrete, steel and glass, Hobart Glass and Aluminium met every challenge largely due to highly restricted access. 17.52mm toughened laminated glass and customised spider fittings manufactured by Nupress were used for the canopy, with glazing supplied by Southern Glass, requiring impeccable accuracy. All custom fittings and sizes were calculated prior to steel fabrication.

Tas Awards

Glass Person of the Year – Scott Luttrell

On completing his apprenticeship with Silverwood and Beck in the early 1980s, Scott ventured to South East Queensland to work with G.James. He returned to Tasmania with experience in high-rise curtain walling and a myriad of other commercial glazing skills. After spending many years at Landsell Glass, Scott completed a stint with Fast Glass before commencing his role at TAFE glazing college.

Scott’s most impressive qualities are his eye for detail and his appreciation of great workmanship. He is extremely passionate about the industry and a valuable member of the Association.

Apprentice of the Year – Jayden Wylie of AG&A

Jayden has been employed with Ausflet Glass and Aluminium for over four years, completing his Glass and Glazing apprenticeship during that period. Throughout his time at AusFlet, Jayden has displayed fantastic leadership, organisation, communication, customer service and management skills. He has also shown exceptional talent across many business areas, including aluminium fabrication, glass handling and glazing, and residential and commercial window fabrication. His stellar performance has led him to a position of great responsibility at Ausflet Glass and Aluminium.

Women in Glass – Maralyn Hibberd of Southern Glass

Maralyn’s career in glazing spans over three decades, starting with Giffard’s/K&D Glass. She then moved to Boral Windows for some 15 years, before beginning at Southern Glass 12 years ago. Defined by her peerless customer skills, Maralyn’s broad industry knowledge covers residential and commercial, glass processing, office management, accounts, ordering, sales, human resources and much more.

Maralyn’s hobbies include gardening, gymnastics, and spending time with her grandchildren and great-grandchildren. Maralyn is a most worthy recipient of this Inaugural award to recognise women in glass.

Safety Award – Viridian Devonport

Viridian Devonport is the recipient for the 2016 Best Safety award, received for its outstanding lost time recordable injury performance. Viridian Devonport has been LTRI-free for 6,400 days – 17.5 years without a lost shift. Many measures were introduced to achieve this, including written work instructions for all tasks performed. This has resulted in a peerless process of training new employees, along with an admirable safety culture based on three cardinal rules – ‘I keep myself safe’; ‘I keep my workplace safe’; and ‘I keep others in my workplace safe’.
**Glass Person of the Year** – David Watson

Dave began his career at Clearview, Geebung, as a cadet window fabricator. Subsequently moving to G.James’ Fortitude Valley factory, Dave developed his expertise in making and installing windows. Later working for O’Brien Glass and National Glass, he was also instrumental in the establishment of North Queensland Glass Merchants.

Dave held the position of General Manager of National Glass, and Group CEO of National Glass and Bradnam’s Windows and Doors. He also created the company’s state training program, which has trained over 300 employees to date. Dave has been a great contributor to AGGA Queensland, having previously held the Presidency role for several years.

**Apprentice of the Year** – Jarrod Smith, True Blue Glass

After commencing his apprenticeship in McKay, Jarrod continued his apprenticeship with True Blue Glass, where he excelled in all aspects of the role. A diverse and resourceful worker with a keen interest in all aspects of glazing, Jarrod has the ability to progress rapidly in the industry. He already commands extensive respect within the industry at this early stage of his career for his skill, passion, hard work and dedication, and his trainers and employer couldn’t recommend him highly enough for this award.

**Safety Awards** – Queensland Glass Pty Ltd

Queensland Glass developed a highly successful safety program, in response to the high rate of musculoskeletal injuries, particularly the lifting of heavy glass panels into elevators and awkward locations and positions. The new manual handling program included the development of an application for smart devices that synchronises safety information worldwide, and an online manual handling training for all staff. This comprehensive approach was effective in achieving the highly impressive reduction of the injury rate to zero from July 2015 to June 2016.

Queensland Glass is also the recipient of the inaugural National Safety Award
Vic Awards

Glass Person of the Year – Harry Pitaro

Harry’s early career days were in the corporate world at IBM, joining the glass industry in 1993 when he and his father Michael acquired David Glass, which had been previously owned by a close family member.

Under their reign, the business has evolved from largely supplying the picture framing industry to now supplying and installing a variety of speciality glazing in both residential and commercial applications, also including high-end performance glazing systems. These include major refurbishments and new builds.

Known as 100mm Harry, he is hands on in the business, often the first point of contact for customers and the main measurer and designer at David Glass.

Harry is extremely passionate about the business and the industry, having been active on the GGAV committee for the past 15 years and served as GGAV President in recent years.

Apprentice of the Year – Corey Boulton

Corey Boulton is a fourth year apprentice currently employed at Nicks and Cuts in the South Eastern suburb of Hallam.

Holmesglen TAFE has continued to rate Corey’s efforts and abilities as excellent, recently awarding him with a perfect assessment score.

His employer Nick Salopek also acknowledges Corey’s commitment to the trade and exceptional work ethic.

Corey enjoys several sporting pursuits, including Australian Rules football, basketball and netball.

Commercial Under $50K – David Glass, Lune Croissanterie Fitzroy

Glazing was a critical element in the design and installation of the food preparation enclosure at Lune Croissanterie. Creating surface reflections of the ceiling lights, the mood creates an appearance of infinite lunar lights. The grey mirror feature wall adds a contemporary design feature, contrasting perfectly with the aged red-brick warehouse space. Grey glass was also installed in the shop front to minimise glare.

Commercial Over 50K – Menzel Glass, House of Mirrors

House of Mirrors is a walk-through installation, featuring oblique corridors of large full-length high mirrors, producing multiple reflections, tricking the perception of those in front of them. The art installation was presented at 2016 Dark MOFO Festival in Hobart and generated strong public interest. The mirror maze created a sense of intrigue and disorientation and demanded absolute precision in both the manufacture and installation.

GLASSTEC 2016 - DÜSSELDORF

20-23 SEPTEMBER 2016
AUSSIE HAPPY HOUR

The pilgrimage to Düsseldorf and the Aussie Happy Hour continues. This Iconic Happy Hour is planned for the evening of Tuesday 20th of September 2016 and once again will be held at the LALUNA CAFÉ, RATHAUSUFER 11, ALSTADT.

Please join us for an eventful experience with plenty of local sausage and refreshments.
Synergy: the cooperation of two or more organizations to produce a combined effect greater than the sum of their separate effects.

Synergy defines the recent incorporation of FGI into the MH Group. Our brand difference is to lead with excellence in the design, manufacture and supply of quality glass products and solutions, delivering superior value for customers.

Lofty ambitions? Absolutely, but it’s what drives our team every single day.

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In 2016, Habitat for Humanity was selected by AusFenEx16 to be their nominated charity and was invited to have a major presence at the national conference. Forming this successful association with AusFenEx16 has aided this important charity in achieving a range of key objectives.

Habitat for Humanity Australia believes that a decent home provides much more than bricks and mortar. A home is the foundation for the future, giving families the opportunity to be healthier, happier and more secure. Habitat for Humanity is working to alleviate the affordable housing crisis in our community by building affordable housing to support low-income families living in housing stress. Every year, they work with tens of thousands of families to build new homes or repair existing ones, as well as providing families with access to financial and technical assistance.

In the Asia-Pacific region, Habitat for Humanity designs simple and durable houses, constructed according to local building standards, weather conditions and family needs. The charity has responded to natural and man-made disasters worldwide, providing homes to those in need of support. Home partner families provide Habitat for Humanity with an important source of funding. Through Save & Build and other effective housing microfinance schemes, Habitat partners build homes and assets of their own.

All those who weren’t able to attend AusFenEx16 or didn’t have an opportunity to donate at the event, please consider making a donation now. We encourage you to learn more about the great work Habitat for Humanity is doing for those in need of housing assistance – both in Australia and around the world.

For further information log onto habitat.org.au

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Habitat for Humanity Supports AusFenEx

Habitat for Humanity Queensland

The Future of Glass Tempering

C = Capability
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For your next leap

For over twenty years, “Officine Mistrello” have specialized in the design and manufacture of advanced flat glass storage and loading systems. Working closely with our client, “Officine Mistrello” and “Overseas Glass Agencies” can design and manufacture complete glass storage and/or handling systems to satisfy any requirement. All “Officine Mistrello” systems are of the highest European quality and are certified to conform to all applicable “CE” design and safety directives.

The dramatic increases in available glass types, together with increased floor space costs, makes a Concertina Racking system an outstanding solution for extremely efficient and safe glass storage, whilst allowing fast access to all stock holdings.

The Mistrello storage and loading systems are designed and built to guarantee the highest production efficiency with maximum operator safety. Please contact OGA for further information.
AGGA Online Training Portal

AGGA AS1288 online program
The AS1288 online programs for Intermediate and Advanced have both been updated to include:

- Master Glazier continuous professional development points allocation
  - The AGGA AS1288 Intermediate program will now attract 3 CPD points
  - The AGGA AS1288 Advanced program will now attract 5 CPD points
- Both of these programs now require a 90% pass mark
  - You will be allowed three attempts to achieve a pass mark. If after three attempts and not achieving a pass you will need to reapply and go through the program again
- You can now print your completion certificate directly from the program which will include your name, your pass mark and your CPD points
- An online help button is now included to give you instant access to help if you have any difficulty with accessing the program
- A users help guide is also available and can be downloaded from the site or email AGGA for a copy.

AGGA Splashback and Shower Screens Installation videos
We are pleased to release the Splashback Installation video updated to include:

- A test questionnaire requiring a 90% pass
- You can now print your completion certificate directly from the program which will include your name, your pass mark and your CPD points
- A users help guide is also available and can be downloaded from the site or email AGGA for a copy
- You can purchase single or multiple views to meet your business needs
- Updated to include recent Australian Standards changes.

For more information contact Patrick Gavaghan on mobile 0401 555 656 or email patrick@agga.asn.au or log onto aggaonline.com.au

Intercam Glass VIP Tech Tour
26-28 September 2016

Visit Glasstec 20-23 September, the leading International glass trade fair, then join the Intermac VIP Tech Tour.

Consider taking part in the INTERMAC VIP Tech Tour and visit some of the most efficient glass processing factories in Europe.

The tour will include some of the latest technological innovations used in the glass industry, whilst enjoying beautiful Italian hospitality. The itinerary includes a visit to the Intermac “Kaisan Production Line”, HSD Mechatronics facility, Cosmec Engineering Factory and the Intermac tech centre.

The INTERMAC factory tour will showcase a range of cutting edge technological solutions from CNC work centres both horizontal and vertical, high production cutting plant systems, machinery and systems for double edging, and water jet cutting solutions. The Test and Research lab is also included, an authentic laboratory dedicated to technological testing. The latest software solutions will be demonstrated and consultations with Intermac’s highly skilled product managers will also be available.

The INTERMAC Tech Tour will enable participants to get a close-up and personal and to learn more on how efficiencies and productivity will grow your business.

For further information call Craig Haidley on +61 419 006 221
“Our company imports glass and window film products from overseas into NZ. We have four divisions within our company and service an extremely diverse clientele base throughout NZ. This distance, diversity and intricacy makes the processing accuracy, lead times, logistics and production visibility a major factor in our daily operations. To date we had tried no less than three software solutions and only now we are satisfied we have found what we are looking for in Gtrak by Jotika UK. Since purchasing and installing Gtrak we have realised more capacity, improved throughput, decreased work in progress and allowed for ‘just in time’ production, and most importantly we can see what is concurrently happening inside our business from profit margins to laminate cutting wastage figures. Brian and his team have been great to work with, the install process was well planned and made as easy as possible and they overcome the time zone issue very well.

Now we have a robust software solution making it easy to orchestrate and manage growth for a complex business model.”

Jed Malcolm
General Manager of Glasslines
As modern design trends emphasize liberal use of glazing, it’s good to know you can design to mitigate sound transmission—even through large expanses of glass. Saflex® Q acoustic PVB interlayers provide superior noise reduction for architectural glazing, enabling architects and builders to create inviting spaces with greater acoustic comfort.

For proven sound-dampening performance, Saflex uses a three-layer construction designed to decouple and disseminate sound waves. This patented system can result in noise reduction up to 10 decibels, reducing perceived noise by up to 50%.

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Windows Will One Day Power Buildings

California-based NEXT Energy Technologies’ cutting edge technology cost-effectively transforms windows into energy producing assets.

Windows will play an integral part in powering a building’s electricity according to NEXT Energy Technologies, a solar technology startup spun out of the University of California Santa Barbara’s Material Science Department. NEXT have developed a coating that transforms windows into electricity producing assets with excellent aesthetics and performance. “Our coating has all the functionality of a high-performance low-e window, with the added benefit of renewable energy generation,” said Dr. Corey Hoven, co-founder/CTO, “You could think of us at low-e 2.0”.

The company plans on licensing their technology to IGU fabricators and operate as a dog-leg on existing IGU fabrication lines. “Our decentralised production model allows us to to quickly build scale and leverage the sunk cost of the IGU as our encapsulant,” said Danny Seigle, Vice President of Business Development.

NEXT plans to offer a portfolio of colors (blues, neutrals, and greens ) in VLTs of 20-50% to meet customer demands for customisation. Based on coloring and VLT, efficiency will range from 7-10%. A unique attribute of NEXT’s material is the ability to produce electricity at high-angle & low-light conditions, making it a perfect photovoltaic material for windows. Their first windows will be available in two years to the commercial market, with plans to pursue residential applications shortly thereafter.

For further information email danny@nextenergytech.com
A Smarter Approach to Education to Propel Future Industry Growth

Peter Moeller explores how AGGA can help your business keep pace with the glass education revolution.

Smart organisations made education and training top priorities on their 2016 agenda. For companies who are yet to finalise this year’s training strategies, there is still time to address this important area of your organisation’s growth plan.

Across Australia we’ve seen a greater emphasis on professional development as companies look to strengthen and diversify their product offerings to meet changing industry needs.

As the end user is the single most significant factor in determining the glazing industry’s future, companies must ensure their programs to upskill team members are adapting to meet evolving customer demands.

This is where the Australian Glass and Glazing Association’s resources can play a significant role in an organisation’s development.

At AGGA, we’ve made education a priority and are committed to helping members achieve their goals via industry-recognised training resources that prepare them to meet customers’ ever-changing needs.

So when it comes to mapping out your organisation’s education initiatives, be sure to keep an eye on how your AGGA membership can assist!

For example, this month AGGA jointly hosted AusFenEx16, the largest gathering of fenestration, glass and glazing professionals in the Asia Pacific region. This event provided AGGA members with the opportunity to connect with other industry leaders and associations to discuss the latest industry projects, regulations, research and trends.

In addition, AGGA’s Accredited Company Master Glazier program offers glaziers a defined career path that allows them to upgrade their skills from Apprentice level right up to Master Glazier.

AGGA can also assist organisations in creating their own training goals and strategies, which are crucially important in boosting business growth as well as staff morale.

Our industry is constantly evolving and skilled workers are at the heart of this change. AGGA membership will help ensure your organisation stays on the front foot of professional development and does not get left behind your peers and competitors.

Having been a long-established member of the Australian Glass and Glazing Association, Viridian has first-hand experience of the many benefits this affiliation provides.

Viridian is proud to be a long-standing member of AGGA and we encourage all members of the glazing community to join.

For further details on AGGA Training Initiatives email patrick@agga.asn.au

ScreenLine® Internal Blind Systems Now Manufactured in Australia by AIG

Utilising advanced glass processing technology and rigorous quality control systems, the experienced team at AIG now manufacture ScreenLine® Internal glazing systems in Australia.

Recognised internationally as one of the most advanced integrated blind systems available, the ScreenLine® system offers the most extensive range of products, designed to meet every need related to shading, colour selection, screening and advanced operating systems.

In an AIG ScreenLine® system, the blind (venetian, pleated or roller system) is fully contained and sealed within the glass panels of an IGU – triple glazing is also an option. Movement of the blind for manual or motorised systems does not compromise the thermal properties of the IGU – the system is performing in a totally sealed environment.

Units are customised and manufactured to meet individual project specifications with Toughened Safety Glass and Argon as standard in every AIG ScreenLine® system manufactured in Australia. Glass specifications can be customised to meet individual design or thermal performance criteria.

For further information email phil@australianig.com.au
Efficient. Your start-up solution.

The I.G. line B’COMFORT from Bystronic glass offers high quality manufacturing of up to 800 gas filled I.G. units per shift with an excellent cost/performance ratio. Rectangular, shaped and 1- up to 3-sided stepped, gas filled I.G. units can be manufactured efficiently on one line. Get more information and your personal consultant under www.bystronic-glass.com/bcomfort
Master Glazier Update

Master Glazier is one of the 4 pillars of the Accredited Company program. It provides an opportunity for individuals to be recognised and provides a pathway for ongoing professional development and career progression.

**Master Glazier promotion**
The Master and Certified Glazier status is achieved by the individual. Anyone achieving the status can promote themselves on their business cards and in any method that is obviously referring to themselves as being the Master or Certified Glazier.

**Master Glazier Handbook**
The Master Glazier Handbook is now available in PDF or printed format. The handbook covers the Master Glazier program in detail, mentoring support availability, how to achieve CPD points, a matrix guide and a sample Recognition of Prior Learning program plus much much more! For your copy of the Master Glazier Handbook go to the website and download the PDF version at agga.org.au

**Information workshops**
AGGA in conjunction with our state associations will be conducting information and enrolment workshops across Australia in the next six months.

Check your emails, e-news and letters from both AGGA and your state Association for the time and date in your state. If you wish you can pre-book by emailing; patrick@agga.asn.au on the next workshop near to you.

**Achievement presentations**
A number of presentations have been held to present to Certified and Master Glazier recipients. These events are important to recognise our industry leaders and we will continue them as the program grows.

**Master Glazier Main Platinum sponsor**
AGGA is pleased to announce that the Master Glazier program is proudly sponsored by the Viridian Trade Centre and Glazing & Construction Supplies (GCS). Master and Certified Glazier’s receive a 10% discount at the Viridian Trade Centre and GCS, see more details online or in the Master Glazier Handbook.

Support the sponsors that support this major industry initiative.

For more information contact Patrick Gavaghan on mobile 0401 555 656 or email patrick@agga.asn.au

We are pleased to welcome our new Master and Certified Glazier’s from across Australia

**Master Glazier status**
- Justin Pereria
- Barry Wilson
- David Burley
- Adam Uttley
- Philip Deeth
- Greg Storie
- David Jenner
- Tony Hodder
- Shane Sweet
- Richard Sarre
- Nathan Kirkpatrick

**Certified Glazier status**
- Reece van Vliet
- Bill Leavey
- Tony Pearsall
- Colin Saunders
- Marcus Jacobson
- Philip Menzal
- Hayden Erble
- Celm Clinton
- Dale Quinn
- John Gofston
- Johnny Chambers

**Master Glazier status**
- Campbell Pudney
- Alex Haines
- Patrick Bergin
- Sean Bergin
- Patrick Bryne
- Leigh Mitchell

**Certified Glazier status**
- Michael Neilson
- Benjamin Hirst
- James Hardwick
- Billy Kojic
- Brodie Richardson

> Johnny Chambers, John Gofston, Warren Overton AGGA CEO, Rod Betts, Marcus Jacobson

Master & Certified Glaziers receiving their certificates at AusFenEx16
Careers in Glass Website

Your site Use it

The glass industry's own careers website offers more than just information to potential employees. You, as an employer, can advertise your Apprenticeships or any job offers online as well. A unique element in the Careers in Glass recruiting system is the matching of job offers to prospective employees by matching postcodes and distance from the job offer site to the applicant’s home location. This is crucial to aid the successful retention of Apprentices or mature employees. If you are not already registered, follow the steps as shown below. This recruitment help is FREE for AGGA members.

**Step 1** Go to careersinglass.com.au

**Step 2** Click on the “Job matching” link

**Step 3** Sign up as an employer

**Step 4** Complete your company details and save

**Step 5** Complete the job offer details

It is as simple as that.
For more information contact Patrick Gavaghan on 0401 555 656 or email patrick@agga.asn.au

PPG Glass Business to be Acquired by Vitro

Vitro S.A.B., a 107 year old company publicly traded on the Mexican stock market and the largest flat glass manufacturer in Mexico have reached an agreement with PPG industries to acquire PPG’s entire flat glass manufacturing and glass coatings operations, including the production sites in the US, distribution/fabrication facilities across Canada and a research-and-development center located in Harmar, Pa. PPG’s flat glass business includes approximately 1,200 employees. Local industry sources believe the acquisition is a positive move forward for the group; the business will now operate under a company exclusively focused on the manufacture and development of glass, as opposed to PPG where the focus was primarily on automotive, industrial and retail paints and coatings. Eventually, all trademarks and PPG product lines will move to Vitro.

Australian representative, George Fethers and Co, a fourth-generation family business owned by the Perkins family, will this year celebrate 100 years, since Bernam Perkins first travelled to Pittsburgh and established the exclusive sales distribution agreement with the Pittsburgh Plate Glass Company, subsequently PPG Industries.

“George Fethers and Co are very excited to be associated with a revitalised and forward looking PPG glass business as it transitions to VITRO ownership. We will be able to maintain supply of our existing range of PPG products and importantly deliver to our customers additional advanced technology, coated and primary glass products in the future,” said Tom Perkins, Sales Manager, George Fethers.

For further information email TomPerkins@gfethers.com.au or bperkins@gfethers.com.au

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For further information email TomPerkins@gfethers.com.au or bperkins@gfethers.com.au
The benchmark for Australian automatic door operators.

Using next generation technology, the EL 301 delivers infinite control, smoother function and sleeker lines, providing design possibilities that are limited only by the imagination.

dorma+kaba’s tradition of reliability, longevity, performance and safety continues to influence their product development.

The EL 301 is an Australian-made product developed specifically for our extreme climatic conditions – from winter frost, through to dry arid summers.

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LiSEC Manufacture the Largest IGU Line in the World

With the demand for larger sized IGU’s on the rise globally, LiSEC have recently installed the largest fully automated IGU line in the world at the sedak GmbH & Co.KG, factory in Germany.

At 145 metres in length, the IGU line is designed for the production of oversized units, with a capacity to manufacture units up to 3.2m x 15m.

sedak GmbH & Co.KG, based in Southern Germany, is recognised as one of the world’s leading and innovative glass processors. They fill a niche, supplying oversized glazing systems for specialised custom projects, exporting globally.

The line is able to apply flexible spacers with absolute precision, with the maximum thickness of each unit 102mm. The spacer is applied with an accuracy of 0.5 mm.

To assist with safe handling of the IGUs, LiSEC also developed a fully automated removal station for larger-format units, allowing for no manual handling until the final application of the secondary sealing.

The oversized units can each weigh up to 6,750kg with a running metre weight of up to 450kg.

With contemporary design calling for larger expanses of glass, visionary buildings can now meet every challenge, in achieving maximum performance with absolutely no compromise.

For further information log onto www.lisec.com

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For further information log onto www.lisec.com
AGGA Launches Facebook Page

The new AGGA Facebook gives our member organisation a significant online presence for the first time. As a centre of training and networking for those in the industry, the creation of a Facebook presence will enable the AGGA to cement its position as an industry-leading association with a prominent national profile.

The Facebook site will function as a major portal for those seeking information about upcoming industry conferences and events, and provide readers with updates about training courses and other forthcoming initiatives. By signing up to the AGGA Facebook page, you will be notified about important member information.

The AGGA promotes and encourages the trade and business interests of members, as well as providing information and advocacy services on all aspects of glass and access to high-quality training resources and programs. To ensure you stay on top of all AGGA-related news, like the AGGA Facebook page – and spread the word to those in the industry who would also benefit from being part of the AGGA community.

For further information contact jane@agga.asn.au or log onto www.facebook.com/australianglassandglazingassociation.

180 Ann Street - Clean and Green

Masterfully designed to integrate leading smart technology with maximum environmental credentials, this aesthetically dynamic high-rise building, located in a prominent CBD location, was Brisbane’s first building to achieve both 6-Star, Green Star Design Rating and 6-Star Green Star As-built Rating from the Green Building Council of Australia.

Committed to environmentally sustainable design, (ESD) specialists worked with the design team to ensure the building performs very highly across all ESD measures.

The building’s performance will provide commercial tenants with significant operating cost efficiencies as well as providing a more comfortable and positive work environment, proven to maximise productivity.

The building’s facade features a dramatic motif of the Brisbane River which is highly recognisable from a number of vantage points throughout the city and becomes a theme throughout the development.

Enduroshield was specified to protect and maintain the 950-square-metres in two glass awnings of the building, recognised for its sustainable maintenance and cleaning properties.

The fabricator and designers of the curtain wall system were trained and certified to pre-apply Enduroshield to the glass surface during manufacture, to assist in maintaining a clean appearance, significantly reducing cleaning costs and ongoing maintenance.

Matt Lewis, International Marketing Director, Enduroshield, said “Enduroshield is increasingly specified for exterior glass surfaces on commercial buildings around the globe. Providing a permanent, ultra-thin, transparent coating that completely adheres to the glass surface, this specialist coating guarantees a reduction in both the frequency and time spent cleaning. Enduroshield is saving dollars for the building owner on the maintenance and impacting positively on the environment. It's a win all round.”

Developed in Australia with nanotechnology, the coating is now applied by many of the world’s leading glass companies, and is an official partner to LiSEC Corporation, one of the world’s largest manufacturers of high-tech production lines for the glass industry. Independently tested and certified for durability to simulate a lifetime of 10 years on interior and exterior use by TÜV Rheinland, Germany.

For further information log onto www.enduroshield.com
G.James Toughlam – the Jewel in the Crown at Hardy Brothers

G.J ToughLam takes centre stage, with this impressive ground floor awning for Melbourne jeweller Hardy Brothers on the historic Collins Street Melbourne retail precinct.

Featuring pin fixed 17.52mm Double Grey G.J ToughLam, this transparent glass awning incorporates a sleek, contemporary stainless steel structure, allowing for both natural daylight to enter the storefront and protection from inclement weather. The use of glass and steel provides clear sight lines to this impressive Victorian facade and surrounding treescape for passing pedestrians, and is the perfect marriage of contemporary materials and heritage architecture.

“Our range also includes G.J ToughLam GRAPHIC, incorporating the latest low-volume ceramic print technology. This process efficiently combines images or abstract graphics for use in screens, canopies and overhead glazing to meet any design requirements,” said Jamie Rice Assistant General Manager, G.James Melbourne.

“G.James now provides a package of support services exclusive to G.J ToughLam. This includes full project specifications, structural glass engineering specific to individual project requirements and certification needed to deliver the highest quality, guaranteed glazing solutions for our customers,” says Jamie.

Ideal for fabricators, shopfitters and builders, G.James Engineering Support Package (ESP), provides certified solutions to suit a wide range of safety, and structural glazing requirements.

For more information on the new G.J ToughLam range, visit gjamesglass.com
Congratulations to Wellfix Glass and Aluminium for their win at the National AGGA Glass Project Awards. The Old Clare Hotel was a challenging project - Bent and Curved Glass are proud to have been part of the team that produced a stellar outcome.

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AGGA Welcome New National Member AGC Products

AGGA are delighted to welcome new national member, Architectural Glass & Cladding Pty Ltd. A Tweed Heads, NSW based facade group, AGC Products is a supplier of high quality bespoke architectural high performance glass and metal cladding products. Supplying the building and construction industry both nationally and throughout South East Asia, AGC Products are widely recognised for their unique glass solutions and superior daylighting and sunshade products.

Paul Nipperess, AGC Product’s Sales & Marketing Manager says, “Throughout our large network of partnerships offering world leading technology and production capabilities: to provide façade solutions to many unique projects, we often find we are a rich source of knowledge for consultants and architects working on projects that require superior façade performance. We are proud of our long-standing reputation for being a valuable partner on many landmark projects, and we are also excited to be working more closely with the AGGA at a national level and also to extend our support where necessary to guide and influence a sustainable and vibrant glass and glazing industry going forward.”

AGGA CEO Warren Overton is looking forward to working with AGC Products in the future. “Their contribution at a national level will be invaluable, especially given our initiatives and programs currently being rolled out. The AGGA extend a warm welcome to AGC Products and their team.”

For further information log onto www.agcproducts.com.au

The AGGA Extends a Warm Welcome to All New State Members

Victoria DONLEE, CSF Façade, Express Glass, Eltham Glass, AW Clark
South Australia Willsden Joinery Glass & Glazing in Port Augusta (SA)
Western Australia Greenstyle Windows, AMH Quick-fix Glass & Aluminium, Wellard Glass, All Things Glass
Queensland CRUA Group, The Trade Place

NEW

PX 380 WATER JET

380 MPa Direct Drive Pump
Up to 50% power saving only 22kw
Cool running - no cooling tower needed
Quiet operation
Low maintenance

INTRODUCTORY OFFER

4000 x 2000 complete system

$78,000 + GST

incl Installation and Training
SA Awards Night

> Phillip Mauviel, President AGGA SA

The 2016 AGGA SA Industry Awards Gala Dinner was held early July with record numbers in attendance.

The glass industry is a remarkable industry and despite challenging economic conditions, our industry continues to thrive, demonstrated by the quality of the projects that were showcased at our prestigious event.

Events like this do not happen without the support of sponsors and I wish to thank all of our sponsors for your generous support, especially Viridian our Platinum Sponsor.

Congratulations to our winners of the Glass Awards, Construction Glazing, Barossa Glass, Federation Glass and Adelaide Glass Guys.

We were also pleased to have our inaugural Safety Award, with sponsorship and judging from SafeWork SA. Congratulations to Adelaide Glass Guys on their award and for their contribution to improving safety in our industry.

Adrian Guerin was a well-deserved winner of our Glass Person of the Year, with over 30 years on the GGASA committee, and significant terms as President and Vice President. Thank you Adrian for your contribution and years of service to the GGASA. Congratulations also extended to Ashley Adams from Unley Glass who was awarded Apprentice of the Year.

A highlight of the evening was the presentation of eight Master Glazier and Certified Glazier certificates to members. This important initiative, developed by industry for industry, provides recognition for our members who have demonstrated a high level of trade skill and technical expertise. We are proud to announce that South Australia has more Master and Certified Glaziers than any other state.

Congratulations to our Certified Glaziers Alex Haines, Patrick Bergin, Sean Bergin, Darian Byrne, and our Master Glaziers – David Jenner, Shane Sweet, Richard Sarre, Tony Hodder.

Well done to all our Award Winners and to our Master and Certified Glaziers.

Thank you again to our generous sponsors:
- Platinum Sponsor – Viridian
- Gold Industry Award Sponsors – Australian Independent Glass, Chevron, DORMA and Overseas Glass Agencies, Safe Work SA (Safety Award Sponsor),

The SuccessWare.

Make your company more efficient – with software for the glass and window industry from A+W.

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Bremner Glass Equipment, offering custom engineered solutions, based on decades of industry experience.

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Multi-configuration vacuum lifting equipment, featuring Dual Vacuum and Working Load limits beyond 1000kg. Scheduled maintenance and Training offered for Lifting equipment.

Upgrade, Development and Service offered for outdated pre-existing equipment.
The NSWGGA had their Annual Presentation Dinner on 27 May. Over 160 people from the local glass and glazing industry descended on The Rydges in Rose Hill for a night of camaraderie, fun and recognition for award winners.

Vic Moen (Landson Glass) hosted the event and managed to weave in plenty of history, showcasing the careers of many identities and their journey through this great industry.

Congratulations to Apprentice of the Year winner Patrick Rodwell from Express Glass and all nominees.

Best Use of Glass Award winners were Palmers Glass, DecoGlaze & Wellfix. Well done on finding innovative and beautiful ways to use the product we love.

Safety Award winner G.James were recognised for their investment in lifting equipment throughout their Smithfield plant.

The audience warmly received Tom McKernan (Viridian) as the inaugural winner of the new ‘Service to the glass industry award’, created to recognise exceptional contribution of front line staff and their positive impact to customers and colleagues.

When Jim Stevens (Sydney Glass) was announced as ‘Glass Person of the Year’ for 2016, the crowd erupted and stood in recognition of this wonderful contributor to the local NSW industry.

Jean Kitson entertained the crowd in between a lot of mingling and genuine camaraderie between attendees.

Thank you to all our generous sponsors (Safework NSW, Viridian, G. James, Decoglaze, Sydney Glass, Bent & Curved, Landson Glass, Australian Glass Group & Overseas Glass Agencies) and the committee, headed by our president Greg Storie, for their tireless work throughout the year.

Plans are already underway for a bigger event next year, including a new venue and evolving format.
New President AGGA Queensland

AGGA Queensland is pleased to announce the appointment of Bill Leavey of True Blue Glass as Queensland State President. Bill has been a long-standing and active Queensland member, participating on various AGGA State and National committees for many years and is delighted to be taking up the reins.

True Blue Glass is a second generation family glass business located on the Gold Coast. True Blue Glass is a Foundation Accredited Company and Bill Leavey is a Master Glazier.

"Along with all AGGA Queensland members, I would like to personally thank Gary Aspden for his huge effort over the past year and recognise his valuable contribution to our State body. Gary guided the AGGA Queensland through the development of our new corporate identity and rebranding, and his knowledge and expertise on the Australian Standards is unrivalled within the industry," said Bill.

"Gary’s position on various industry committees has been invaluable, he bought the AGGA Queensland into the new age, introducing our social media presence. Gary will also remain an active member on the state committee, and continue to shape and guide our future direction," said Bill.

"I'm looking forward to the challenges ahead," Bill added.

Cooling Brothers Appoint New National Business Development Manager

Cooling Brothers Glass Company are pleased to announce the recent appointment of Ms Quyen Do as National Business Development Manager.

Growing up in New Zealand, Quyen first discovered her passion for design as a young child. She went on to study Environmental Design/Architecture before then launching a successful career in the digital textiles and surface pattern industry.

Cooling Brothers new DipTech technology and decorative glazing systems inspired her artistic passions again, enabling her creative talents to expand even further. Quyen’s career highlights and professional experience include a wide range of high profile building and construction projects in Perth.

"The Cooling Brothers Glass Company are a talented and professional team, often taking the lead with innovation and product development. They invest in new technology and their personnel. The energy in the business is contagious! I am looking forward to challenges ahead," said Quyen.

Dorma and Kaba Join Forces

The recent merger of these two international companies has led to the formation of dorma+kaba.

With Kaba recognised internationally as a global leader in high-security access control solutions, locks, master key systems and physical access barriers and Dorma, equally recognised for their premium access solutions, product range and services in door automation plus door hardware, the merger certainly strengthens both companies.

"The complementary ranges of both companies allows us to offer a more comprehensive portfolio of products, solutions and services around doors and secure access to buildings and rooms from a single source," said Nick Penny, Marketing Lead Pacific dorma+kaba. We look forward to continuing to service the industry nationally with innovative solutions, and expanded product range."

For further information log onto www.dormakaba.com.au
CRL WEDGE-LOCK™ 'ALL-GLASS' DOOR RAILS

FASTER • CLEANER • STRONGER
THE MOST VERSATILE RAIL SYSTEM ON THE MARKET

- COMPLETELY DRY GLAZED
- FULLY ADJUSTABLE
- EASY GLASS REPLACEMENT
- IN STOCK AND READY TO SHIP
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Take Advantage of Shorter Lead Times with CRL Rapid Customisation for Custom-Sized Door Rails

CRL is continually expanding its manufacturing capabilities to better serve our customers. In order to significantly reduce lead times, we are pleased to announce our Rapid Customisation Program for custom-sized Door Rails. The program is available for the following Door Rail Systems:

- Standard 100mm Door Rails
  in Brushed and Polished Stainless Steel
- Low-Profile 60mm Door Rails
  in Brushed and Polished Stainless Steel

Our custom-sized Door Rails come completely fabricated and ready to install. Take advantage of this value-adding program and save time on your next project.

WEDGE-LOCK™ GLASS SECURING SYSTEM
The patented Wedge-Lock™ System works by applying tremendous pressure evenly along both sides of the glass, holding it securely in place.

Door Rails are equipped with the Kwik-Adjust™ Pivot Alignment System

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AB Phillips Expand Services to the Glass and Glazing Industry

AGGA’s preferred provider of Insurance and Risk products, AB Phillips, have established a Property and Liability facility that is exclusive to the Glass and Glazing Industry.

The facility is specifically tailored to cover the unique needs of glaziers, processors and manufacturers, and each policy is crafted by AB Phillips’ experienced Insurance Advisors to accommodate the requirements of individual businesses.

AB Phillips combined Property and Liability insurance facility has the following automatic inclusions at no additional cost:

- Financial Loss Extension (Errors and Omissions) covering specialist professional advice or service including the requirements of Australian Standard, AS1288:2006 Glass in Building.
- Automatic Transit cover for stock including glass up to $25,000.
- Tools and Equipment cover in transit or on-site covered up to $25,000.
- AB Phillips Workers Compensation Adviceline at no cost to AGGA members.

AB Phillips can also assist with Business Interruption, Management Liability, Motor Vehicles/Trucks and all other business insurance.

Give AB Phillips the opportunity to quote on your business insurance, and you could uncover considerable cost savings on your premium while enjoying significantly improved cover.

Contact Alan Limpyer on (03) 8586 9368 or Joel Treadwell on (03) 8586 9327 for an obligation free discussion.

Attention, NSW Glass Association Members (& friends)

Your state association is proud to launch its Facebook page.

It can be found by typing Facebook nswgga in your internet browser.

Go on and ‘like’ the page to ensure you get all updates relevant to you in this convenient format.

Please encourage all staff in your businesses to ‘like’ the page so we can engage deeply in the industry and strengthen our community in glass.

For further information email office@nswagga.org.au

Menzel Glass Geelong Build House of Mirrors

Recognised as one of Australia’s biggest drawcards, and now one of the world’s leading galleries, Mona in Hobart recently hosted their fourth annual Dark Mofo – Mona’s winter arts festival.

The House of Mirrors Installation at Dark Park on Hobart’s waterfront supplied by Menzel Glass in Victoria enticed close to 12,000 visitors in the first seven nights of the exhibition in June. Phil Menzel and his team worked day and night to meet the exceptionally tight deadline and interstate installation.

Menzel Glass worked with Landson Glass to supply the 80 mirrored panels. “Nothing seems to phase Landson, they didn’t hesitate,” said Phil. “Both their attention to detail and capability influenced our decision – Landson’s laminated mirror is exceptionally good quality and their ‘can do’ attitude also speaks volumes. This was a once in a lifetime opportunity; we’re not often supplying glass for an art installation! This brought new challenges and our team certainly embraced each one,” Phil added.

Inspiring artists Christian Wagstaff and Keith Courtney from Creative Production Services in North Melbourne contracted Menzel Glass to engineer and manufacture their mirrored art installation, which is described by the art world as a joyously discombobulating fairground attraction. The sheets of custom lam silver each stand 3.6 metres in height and weigh 180 kg but the magnitude of the job is not truly realised until experiencing the art installation first-hand. Discussions are presently underway for House of Mirrors to be exhibited in other major capital cities.

For further information email jo@menzelglass.com.au
MHG Acquires Flat Glass Industries

MH Group (MHG) have recently finalised their successful acquisition of Flat Glass Industries Limited (FGI). The FGI Board welcomes Steve and Dean Haritos, as Chairman and Managing Director of MHG respectively.

MHG is a privately owned and diverse group of companies, founded in 1970 by Chairman Steve Haritos. They are recognised widely as a leading tier one supplier to the automotive industry, including automotive glass.

MHG have a rich and successful history of over 40 years in manufacturing and their recent acquisition of FGI provides them with the ideal platform to transition from the automotive to the construction sector.

The company’s Australian manufacturing base is centred on a sizeable 8000m² facility in Melton, along with the 20,000m² former Pilkington/CSR Viridian automotive glass facility in Geelong. Future investment in the Geelong facility is forecast, complementing the company’s business development plans for the Melbourne and Sydney manufacturing plants.

MHG was also recently the proud recipient of the prestigious 2016 Victorian Manufacturing Hall of Fame award (Transport, Defence & Construction).

MHG has operations in Australia and Thailand, employing close to 420 people in the region.

For further information log onto mhgasiapacific.com

AGGA Take Further Steps to Improve Workplace Safety

The AGGA are pleased to announce the appointment of Will Walker to the team, in the new position of Safety Co-ordinator.

Will’s extensive career in WHS has spanned some 20 years, and was initiated following his first hand experience in observing a major workplace incident.

During his tenure, Will has undertaken extensive training across many aspects of WHS, and worked in various government and private sector roles, in senior management and consultant positions, largely in the construction industry.

Will’s training and experience has had a particular emphasis on high-risk work, he has also spent significant time with emergency services, and the Department of Justice and Regulation.

Will has a strong background in training, including delivering WorkSafe-accredited programs in Victoria, and Comcare courses nationally, and has acted as SME on focus groups reviewing OHS regulations in Victoria.

“Safety Management Systems have been central to my work for the last 10 years, and my initial focus will be to refine the AGGA SMS and associated safety material,” said Will.

“At AGGA I hope to raise the profile of WHS within the glass and glazing industry, and to help members improve OHS performance by producing simpler, more effective, compliant resources, and also offer specialist personal support when needed. The AGGA are keen to ensure the industry nationally is a safer one to work within,” says Will.

AGGA members are encouraged to make full use of the specialist advice and services now on offer.

For further information, or to make contact with Will, email will@agga.asn.au or call him directly on 038669 0170 (available Monday to Wednesday).
After the success of the first version, the Bottero Pratica CNC workcentres evolve with their new PLUS version.

The machine is available in **3300** and **4000** sizes and also the Platform version, with a **3300 mm** front opening and a work table depth of up to **18 metres**.

Both **3 and 4 axes** versions are equipped with the new high performance pressurised spindle. This particular feature prevents the ingress of contaminants resulting from the glass processing operation, thus ensuring performance and reliability.

The **10,000 rpm** and the coaxial tool lubrication guarantee a superior finishing quality, even at maximum speed.

The easy to use **CAD/CAM and new machine software interface** help the operator during the production set-up, which is carried out in a few simple steps.
AGGA Safety Sub-Committee Update

Joe Finn, Chair

The AGGA Safety Sub-Committee met in July, tabling several important new developments. Work health safety initiatives are on the rise at the AGGA with the appointment of Will Walker, AGGA’s new Safety Coordinator. Will’s role will be to heighten WHS issues within the glass and glazing industry and to offer advice and support to members. AGGA members are encouraged to make full use of the specialist advice and services now on offer.

A number of new safety fact sheets are now available from the AGGA. These include Storage of Glass – On Sites, End Caps – Design and Manufacture, Reuse and Modification and Storage of Glass – General Principals (update). We encourage all members and employees to review the material. All fact sheets are easily accessed and downloadable from the AGGA website.

The increasing awareness and importance of workplace safety in our industry was recognised at recent state events, with the introduction of safety awards. The inaugural national safety award was also announced at AusFenEx16. All winners and indeed applicants are to be congratulated on their initiatives – many showing smart and cost effective solutions to everyday issues, each providing safer and healthier work place environments.

For further information on AGGA Safety Sub-Committee activities contact Will Walker on will@agga.asn.au or 03 8669 0170.

AGGA Technical Sub-Committee Update

Jamie Rice, Chair

The AGGA Technical Sub-Committee met in June to again confer on a wide range of items currently underway or in planning. Since our last update, the TSC have made representation of behalf of the AGGA at a meeting of BD-007 to progress AS/NZS 2208, at which the committee agreed that a final working draft could be achieved within three months.

The committee agreed that the industry requirement for publication HB 125-2007 was limited and voted to make obsolete. The Committee also agreed to reconfirm AS/NZS 4668-2000 and AS/NZS 4667-2000 without changes.

The TSC are frequently releasing new Technical Fact Sheets and urge members to access this valuable resource via the AGGA website. New Technical Fact Sheets in progress or near completion include Glass in Balustrades – Industry Review, Frameless Glass Doors, Identifying Safety Glass and Grouting of laminates using non shrink grouts. All are easily downloadable for reference.

Log onto www.agga.org.au/technical/technical-fact-sheets

IGMA Report

Jamie Rice, Chair

IGMA met in July to progress a number of important projects for the Australian IGU industry.

After a great deal of work by the committee the Insulating Glass Manufacturers Approval Program, IGMAP, was launched at AusFenEx16. IGMA created IGMAP to work alongside AS/NZS 4666. Recognising the opportunity for aspects of the Standard to be expanded and improved upon, IGMA established the IGMAP Technical Requirements. The requirements, together with the IGMAP Administration Guidelines, outline an approval pathway for the highest standard of IGU.

To achieve IGMAP Approval, product samples must pass independent testing. In addition IGMAP participants must submit regular ISO Type 5 audits conducted by a Certified Assessment Body who are accredited by JAS-ANZ.

IGMAP Approval is a symbol of assurance that offers manufacturers and suppliers many direct benefits.

- Highlights your competence and credibility as an IGU manufacturer
- Informs your customers that you have met the highest level of assessment and professionalism in the industry
- Strengthens your ability to compete and differentiate in the market place
- Confirms you are independent and impartial
- Enables you to benchmark ongoing performance against relevant standards.

The three inaugural members of IGMAP are G.James, Viridian and Australian Glass Group. IGMA aims to have more members participate in the program as quickly as possible.

The importance of training to the industry was discussed at length with the provision of IGU Installation Training highlighted as an immediate priority. It was agreed to develop a training strategy for advanced installation and AS4666 certification. This is to include a national timeline to promote training heavily, allocate professional development points and investigate funding options.

The meeting agreed to the goal of having all manufacturing members certified to AS/NZS4666 by the end of 2017. It was noted that more would need to be done to assist members in meeting this ambitious target. To assist members, the need to provide Quality Plan Summary (QPS) and Quality Management System (QMS) Training was identified as great starting point. Training options are being investigated.

For further information contact the AGGA on (03) 8669 0170
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# State Event Calendar 2016

**TAS**
- Conference late March 2017

**VIC**
- Golf Day
  - Friday 21 October 2016
  - Churchill Park Golf Club
- Awards Night & Conference
  - July 14 2017

**NSW**
- Golf Day & AGM
  - 28 October 2016
  - Bankstown Golf Course

**WA**
- Annual Golf Day and AGM
  - 21 October
- Christmas Sundowner
  - 25 November

**QLD**
- AGM 14 September
  - 4.30pm G James
- Committee meeting
  - 21 October 8.30am
  - Pacific Golf Club
- General meeting 21 October
  - 10.00am Pacific Golf Club
- Committee Meeting
  - 7 December 12 noon
  - (Xmas meeting, venue to be confirmed)
- Golf Dates 2016
  - Viridian - Pacific Golf Club
  - Friday 21 October

**SA**
- General Meeting
  - Wednesday 21 September
- GGASA Social Function
  - November (Date to be confirmed)

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**AGGA to Meet in SA**

AGGA are delighted to announce Adelaide as the destination for the 2017 AGGA national conference. South Australia is a popular conference destination hosting many thousands of conference delegates annually. The world-class meeting facilities on offer are only surpassed by Adelaide’s reputation for exceptional food and wine together with many memorable experiences.

Adelaide city promises many discoveries – shopping, superb architecture and historic tours, exquisite dining and day trips into the hills to visit world-class wine regions, all just minutes from the city. South Australia’s magnificent coastline should also be on the itinerary – Kangaroo Island and the Flinders Ranges are also rich ecotourism destinations, so extending your stay should definitely be considered.

**Save the date:** 17-19 August  Venue: Adelaide Hilton
For further information contact jane@agga.asn.au

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*Your success is our business*
Demand has remained steady over the last few months within the Tasmanian market and we look to this continuing for some time. However, skills shortage remains an issue for members, with a number of members finding it difficult to find qualified glaziers. The work being undertaken by the national and state associations to improve career structures within the industry and the future media campaign to promote Accredited Companies will hopefully encourage more young people to look to Glass and Glazing Apprenticeships in the future.

I would like to congratulate Leigh Mitchell from Commercial Doors and Windows for being the first Tasmanian to attain Certified Glazier status. At the TGAA general meeting, held in the August 2016 at Campbelltown, there was a workshop to provide advice on applying for Certified and Master Glazier status. There was an opportunity on the day to complete and lodge forms with the assistance of Rods Betts, the local Master Glazier reviewer and Patrick Gavaghan, the National Training Manager responsible for the program.

The TGAA held a golf morning for members on 3 June 2016, in conjunction with its general meeting. It has been many years since the Association has held a golf day and, although only a small number of members participated, those who did enjoyed the sunny winter morning at the Riverside Golf Club. The Association plans to hold the event again next year and hopes that more members will take the opportunity to enjoy a morning interacting with peers within the industry.

Finally, the TGAA has updated its website in line with the new logo and image of the national and state associations. Leveraging the AGGA website, Tasmanian members will have access to event and technical information and consumers will be able to find local members. The importance of the web for consumers was highlighted over the few days when the TGAA website was not accessible as a result of the upgrade, with a number of consumers phoning for assistance. I encourage all Tasmanian members to set up their login details on the AGGA website and update their company profile so that they can receive the full benefit from this new and powerful resource.

CALL FOR SPEAKERS IN 2017

The TGAA is seeking speaker nominations for the State Conference in March 2017. Presentations should explore issues that impact the profession of the glazing industry, offering new perspectives and identifying best practices. Topics of interest include: customer service, improving profitability for small business, social media trends and opportunities for small business, glass design and application trends and technical innovation. Please submit your proposal on these or other relevant topics to Kathy on tgaa@agga.asn.au by 29 October 2016.
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GLASSTEC 2016, 20th-23rd September
Messe Düsseldorf
Hall 16 - Booth A51/A59
AGGA SA State Report

> Phillip Mauviel, President

I am pleased to announce that the CITB (Construction Industry Training Board) have approved funding for glass specific training programs. This means that subsided training is now available through TAFE SA for training such as AS1288 Intermediate and Advanced, shower screen installation and splashback installation. Thank you to Patrick Gavaghan and Justin Pierra for your assistance in helping to make this happen.

On July 4 we celebrated our industry achievements, the people and the projects, when we held our annual Industry Awards Gala Dinner at Adelaide Oval. We had record attendance and a range of high quality projects were showcased. I was proud to present Master and Certified Glazier Awards to eight of our members. Recognising and celebrating the skills and technical expertise of our people who make our industry thrive is the key to delivering quality projects and building a long term sustainable industry. Congratulations to our New Master and Certified Glaziers and congratulations to the finalists and winners of the glass awards.

The GGASA is continually working to provide members with areas of opportunity to further grow and enhance their business. The training, safety and technical sub committees are continuously working on developing new tools and resources to assist the industry. New initiatives have been developed, such as a revised and more robust Accreditation program for glazing business and the introduction of the Certified and Master Glazier program to recognise the people in our industry, employees and business owners that demonstrate a high level of trade skill and technical expertise.

These initiatives provide you as members with the ability to promote your glazing business and yourselves as industry leaders, to set yourselves apart from the mediocre, to recognise the experience and technical competencies within your business and to raise the profile of our great industry. Furthermore, these initiatives are laying the foundation for the future of our industry by creating a framework that will over time move our industry towards formal licencing and see an industry that is investing back into its people. The future for our industry is an exciting place.

AGGA WA State Report

> Peter den Boer, President

Members acknowledge that the market is tight; competition is aggressive with discounting to try and obtain a share of a depleting market, down 30% on the prior year. For a somewhat past stable marketplace, the outcome sadly is the discounting of our established market prices, the emergence of unqualified smaller players and a trend of increases in imported product.

Meetings

The management committee continue to work on the State’s strategic initiatives, some in line with National.

In principle, five key initiatives – membership, compliance and accreditation, training, and Association alignment.

Key priority is the promotion of the Accredited Company and Master Glaziers programs.

Social

An Industry dinner in May included an overview of both the Accredited Company and Master Glaziers programs. A well-attended event with over 70 attendees, encouraging comments in regards to both programs, yet to obtain commitments.

Our Awards Night held in June, a success with 240 participants and encouraged by the number of submissions for all of the award categories, seven project award winners, four Apprentice awards, four Service awards and Alum / Glass Person of the Year.

Awards Night for 2017 has already been booked for Saturday June 24, at the Rendezvous.

AGGA Apprenticeship Mentoring

The mentoring program is still available and accessible for members. Although funding had ceased in June, we will continue to promote these activities within the State. Apprenticeship uptake remains a concern for the State Association to focus on.

Training

AS1288 Advanced training available in Sept. Both Nancy Kirby and Alistair Black are our State Reps on the AGGA National Training committee and reviewers on the Master Glazier program.

Accredited Company and Master Glaziers programs

There has been interesting member response to telesurveys and enquiry. Take up is albeit limited. It will be critical for the State to actively promote the benefits of both programs.

Membership – New members

Greenstyle Windows, All Things Glass, Wellard Glass, West Coast Window Installation, WA Special Projects, AMH Quick-fix Glass & Aluminium

WA WINNERS

Apprentice of the Year 2016 - Christopher O’Brien from Cooling Brothers.

High Achiever Apprentice Award - Mitchell Bunney from Mundaring Glass.

Rising Star Award (Glass Processing) - Mauro Rivas from Viridian Glass

Rising Star Award (Glass & Glazing) - Emily Hessel from Jason Windows.

PROJECTS: Winner Bespoke Glass Project over $10,000 Aluminium Products – Gusto Gelato at Elizabeth Quay

Winner Domestic Project under $20,000 Jason Windows – Archipelago Home

Winner Domestic Project over $20,000 WA Special Projects - Hilary’s Residence

Winner Commercial Project under $50,000 Jason Windows – Ford & Doonan Warehouse

Winner Commercial Project over $50,000 West Perth Glass – Corpus Christi Gymnasium

Winner Commercial Project over $750,000 Walshs Glass – Shell House

PERSON AWARDS: Glass Person of the Year - Vince Bianchini from Cooling Bros

SERVICE AWARDS: There were 4 recipients: Alan Connolly from Aluminium Products, Daryl Cook from Glass Processing, David Weatherley from Glass Australia, Brett Dwyer from Jason Windows.
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The widest range of edging and bevelling machines currently on the market
AGGA QLD State Report

> Bill Leavey, President

This is my first report as AGGA Queensland Interim President after the resignation of President Gary Aspden last month. I would like to thank Gary for his contribution to the Association and we are very pleased he will remain on the committee.

Our major event of the year, the Glass & Glazing Industry Awards was held in July with record attendance. Our sponsors have been very generous once again with more this year than ever before.

We sincerely thank our sponsors:

Platinum sponsor – National Glass

Gold sponsors – Dow Corning, Guardian, OGA, APQ Glass, Lisec/Elegant, G James, 1st Glass, Viridian, NFK, CSI, True Blue Glass and TAFE Qld SkillsTech


Safety Award sponsor – Workplace Health & Safety Queensland.

Glazing tool kits – Glaziers Hardware Supplies.

At our recent committee meeting we agreed to send a survey to our members to try to gauge what it is they want as AGGA Queensland members. In past surveys we have found that members are very keen on the Qld Master Builders Membership we had offered as part of their membership. With this in mind we have negotiated an excellent membership fee to continue to offer QMBA membership at a very keen price to our members. We hope this will compensate for the first membership fee increase in 10 years.

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20-23 September 2016

Düsseldorf, Germany

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We also agreed to reduce the number on our committee to 10 to make a more workable format. We are pleased to announce that WH&S Queensland have contributed $4,000 to a function during Safety Month in October and as a result we have selected a working group to ensure a function that will attract a large number of our members to participate.

Our last golf day, hosted by National Glass, was a very successful day. AB Phillips sponsored a $30,000 hole-in-one competition but the closest anyone came was about 20cms.

The winners on the day were:
National Glass team of – Andrew Lock, Dean Reichle, Errol Hoelscher and Lawrie Egan.
North Lakes Resort Golf Club donated two full club memberships and other minor sponsors were Inglass and Dorma.
Business is still looking good in Queensland with many commercial projects underway and in the pipeline. Add to this the 2018 Commonwealth Games on the Gold Coast and we can see busy times ahead. The natural roll-on effect from this means that all our members should remain busy well into the future.

AGGA VIC State Report
> Harry Pitaro, President

GGAV Awards Night
The Annual Awards Night was held in a new format at the White Bar in St Kilda with the best attendance for four years. This more informal event was a great success and reflected the more casual format that members were happy with.

Awards winners were:
• Apprentice of the year – Corey Boulton from Nicks & Cuts Glass Pty Ltd
• Glass Industry person of the year – Harry Pitaro David Glass
• Innovation in Glass, and Commercial Glazing – Menzel Glass
• Commercial Use of Glass under $30K – David Glass

GGAV Conference
This one day Convention was held at the Alex Theatre in St Kilda.
The conference was well attended with over 40 attendees and a range of subjects that catered for both large and small companies.

GGAV Golf Day
Friday 21 October 2016
This industry fun day will be held at the Churchill Park Golf Club.

Free Independent OHS Essentials Consulting Program for GGAV Members (WorkSafe Accredited)
The association has arranged with the Business Innovation Group for members to take advantage of this program. It includes:

The company receive up to 5 or 10 hours FREE consultation with an OHS Consultant with an easy to follow ‘OHS Action Plan’.

Who is eligible for the OHS Improvement Program?
• Victorian small businesses with limited OHS information and knowledge and less that 20 employees or $1 million in remuneration
• Victorian medium sized businesses with less than 200 employees or $20 million in remuneration and an existing knowledge of OHS and return to work.

How to get involved
Contact Don Blanksby email don@ggav.org.au, 0417 377 492

AGGA Queensland
> L-R Luke Watson, Andrew Lock, Dean Reichle, Errol Hoelscher and Lawrie Egan.

> AGGA Victoria members and partners enjoyed the fun party atmosphere and enthusiastically embraced the white night theme.

> Don Blanksby, Will Kirkham and Sue Kirkham

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Membership
Over the past four weeks we have posted information packs to existing and potential new members. This pack has included our new brochure and information on the Accredited Company and Master Glazier programs. We have received quite a few inquiries regarding the pack's contents and from this New Membership applications have been forwarded to many companies.

NSWGGA Executive
The last meeting of the NSWGGA was held on Tuesday 7 June and points of interest include:

- New Web site: Frustrating exercise for all concerned, but at the time of writing we are near completion.
- AS1288: The new platform for testing and where the States can be of assistance.
- Lidcombe TAFE: Expectations are of an increase in midyear enrolments along with two new courses working at heights and first aid.

Awards Night
Our Annual Awards night was held on Friday 27 May at Rydges Hotel Parramatta. We obtained a few new records in that we achieved our highest ever level of attendance, which included a few new members. We also recorded our highest ever level of nominations for the four Project categories, with one category alone receiving 18 nominations.

ALL THE WINNERS ARE LISTED BELOW:
Glass Person of the Year: Jim Stevens
Service to the Industry: Tom McKernan
Safety Award: G. James Glass & Aluminium

Apprentice of the Year: Patrick Rodwell, Express Glass
Commercial Project: Wellfix
The Old Clare Hotel Sydney
Domestic Project <$20,000: Palmers Glass Paddington Sub Station Sydney
Domestic Project >$20,000: Decoglaze Tama House Tamarama Sydney
We also recognised and awarded Certificates to our first three Master Glaziers in NSW. These are:
David Burley Glass 24/7 Taree
Phil Deeth Greater Glass Kirrawee Sydney
Greg Storie GSW Solutions Sydney
We also acknowledge the support of all our Sponsors as listed below:
Safework NSW · Viridian · G.James · Decoglaze · Landson Glass · Bent & Curved · Australian Glass Group · Overseas Glass Agencies.

The feedback we have received from those who attended was positive and we have some new ideas already in the melting pot for 2017.

Annual General Meeting
The 2016 AGM is scheduled for Friday 28 October 2016 and will be held at Bankstown Golf Club.

Annual Golf Day
Our Annual Golf Day is scheduled for Friday 28 October 2016. The event has been booked and will take place at Bankstown Golf Club. We look forward to a good turn out of Members and Guests as the Golf event has, over the past few years, grown in attendance.

VALE

Ken began his long career in the glass industry in January 1939 when he gained an apprenticeship with Glass Products in Rushcutters Bay, Sydney, cycling to and from work from the family home in Leichhardt.

To attend work sites, Ken and his colleagues would load their tools and glass sheets onto the local bus to travel to each job daily.

His army career interrupted his glass career as he was called up in 1939 to serve in New Guinea. He returned to Glass Products in 1946 to complete two more years of his apprenticeship.

Ken’s wife Marj was working for the parent company, Bray & Holliday when they first met. He and Marj started Ken Pike Glass Pty Limited in their backyard in 1956, with Ken building his first workshop from recycled glass cases.

Marj did the bookwork and they soon employed 15 glaziers attending to both residential and commercial installations, moving to their Greencrore factory in 1958.

Ken retired in 1982 at 58 years of age and often remarked that he didn’t know how he ever had time for work with Marj’s “to-do-list”.

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Used in double glazed units, the neutral-looking glass provides high visible light transmission into the building while reducing heat/cold penetration.

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- The U Value and shading coefficient are measured by conditions given by NFRC 100-2010
- Specifications, technical and other data are based on information available at time of preparation of this document and are subject to change without notice.
- For a comprehensive list of iplus products and performance specifications, please contact an AGC representative.

Contact our AGC representative in Australia today

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