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iplus Advance 1.0	77	0.52	1.35
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President's Update

Peter Moeller – President

With much pride, we recently celebrated the appointment of our 50th Master Glazier program participant, Gareth Henderson from Walsh's Glass in WA. He's in good company, and we're delighted to confirm many more glaziers Australia-wide have plans to follow in his footsteps. If you're interested in learning more, log onto the AGGA website.

The AGGA strategic focus is now very much on the roll-out of the Accredited Company Program, and I encourage you all to consider participating. To thrive and succeed in today's increasingly competitive and challenging market, each and every glass business needs to be optimising their performance. AGGA Accredited Company status proves without

question – a company's technical proficiencies – providing assurance that they operate with a good safety management system, that their work meets Australian Standards, and – most importantly – that their workforce is made up of skilled professionals. I urge you all to consider how the program can assist your business in providing a competitive edge.

And lastly, a reminder on the AGGA National Conference to be hosted in Adelaide, 17–19 August 2017. Save the date.

On behalf of the AGGA, I extend best wishes to all for the year ahead. May it be a prosperous one for our glazing industry.



CEO Update

Warren Overton – CEO

Welcome to our first issue of Glass Australia in 2017. I hope you have all had a chance to relax and unwind over the holidays, and perhaps had a bit of time to contemplate what you would like to achieve this year.

Our year at AGGA is certainly shaping up to be very busy. Our first major deadline for the Accredited Company Program is the middle of the year – by which time all Accredited Companies must have met their Master Glazier and Technical (AS/NZ 1288) requirements. This means that AGGA and the state associations will be working hard to support members by providing workshops, training and direct assistance where required. Patrick Gavaghan, AGGA Training Manager, will be leading these activities and is always happy to take enquiries.

Safety will also continue to be a priority. Our safety coordinator, Will Walker, will continue to provide advice and assistance to our members so that they can integrate safe work practices into their everyday operations.

And of course we are well into organising our annual conference, GA17, which will be held in beautiful Adelaide this year from 17–19 August. If you are interested in speaking, sponsorship or exhibiting, get in contact with our event organiser, Jane Docherty, as soon as possible as opportunities are limited.

Our safety, technical, marketing and IGMA Sub Committees also have a full schedule of meetings for 2017 and we welcome feedback and input to their important work. General enquiries can be sent to agga@agga.asn.au.

Please feel free to contact myself or one of the AGGA staff members listed below so we can help you make 2017 a success.

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Jane Docherty	03 8669 0174 jane@agga.asn.au

Glass & Glazing

Industry Events Calendar 2017

FEBRUARY 2017

23–25 GLASSPEX 2017
Greater Noida, Delhi, India

MARCH 2017

29 GLASSMAN SOUTH AMERICA
Buenos Aires, Argentina

MAY 2017

24–27 CHINA GLASS 2017
Beijing, China

JUNE 2017

08–11 GLASS SOUTH AMERICA 2017
Sao Paulo, Brazil

29 MIR STEKLA 2017
Expocentre, Moscow, Russia

AUGUST 2017 – GA17 SAVE THE DATE
17–19 **AGGA NATIONAL CONFERENCE**
Adelaide

SEPTEMBER 2017

17–19 FENESTRATION AUSTRALIA (AWA)
Fiji

NOVEMBER 2017

22–24 GLASSTECH ASIA
Singapore

Contributors

Hannah Blackie, Harley Dale, Jill Johnson, Liz Jarvis, Nicole Semmler, Patrick Gavaghan, Paul Harding, Peter Moeller, Tim Roberts & Will Walker.

Photographers: Design Haus, Iain Gillespie, Nicole Semmler & Seppeltsfield, Dragan Radocaj Photography.

This month's cover

This month's cover features Gareth Henderson from Walsh's Glass in WA, our 50th participant in the Master Glazier program. Our interview with Gareth on page 6 details his experience in the glass industry and his career highlight in achieving Master Glazier status.



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Printed by Print Bound Pty Ltd

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AGGA EXECUTIVE BOARD MEMBERS

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Mr Joe Finn, Bent & Curved Glass
Mr Adrian Grocott, Express Glass
Mr Phillip Mauviel, Jim's Glass (Australia)

Multi-State Glass Processors

Mr Greg Hunt, GJames Glass & Aluminium

Local Glass Producer

Mr Peter Moeller, Viridian (AGGA President)

State Association Representatives

Mr Peter den Boer, GWAWA
Mr Harry Pitaro, AGGA Victoria

Editor's Notes

Our first GA for 2017 is once again a bumper edition, packed with news and updates on the latest developments within our Australian glazing industry.

We lead with our industry profile on Gareth Henderson from Walsh's Glass in WA, our 50th glazier to achieve Master Glazier status.

Harley Dale, HIA Chief Economist, has prepared an economic forecast on the year ahead.

In this edition we feature two award-winning case studies – the new Myer Hobart (Hobart Glass), and Seppeltsfield Winery in South Australia (Barossa Glass). Both projects lead with their innovative design and quality of build. And a reminder to you all to take a minute to consider what projects you might submit for the 2017 State Design Awards. Just a little time is required to prepare the submission, but it's well worth the effort – especially if your team is rewarded as a finalist or the winning entry.

AGGA Training have achieved so much in recent months, so loads to report – the US was the first to pick up AGGA training online, South Africa has since followed, with more countries to be confirmed shortly. We are now recognised widely as world-leading with our innovative and flexible training practices.

Please take time to read and share our safety features, prepared by AGGA Safety Coordinator Will Walker. Circulation of these important messages to every team member may very well prevent a serious injury in your workplace.

Wishing you all a fabulous year ahead in 2017 – stay safe!

Jill Johnson

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‘I didn’t know about the Master Glazier program before Troy recommended it – but I’m glad he did, as it’s been an excellent move for my career.’

Focused on Safety – the Importance of Master Glazier Certification

For too long, there has been no nationally recognised system of registration for glaziers in Australia. Fortunately, the AGGA Master Glazier program is changing all that.

> Text by Tim Roberts, Photography by Iain Gillespie

The Master Glazier program is an Australia-wide AGGA initiative, aiming to introduce a recognised status within the glazing industry. Troy Johnson, Commercial Glazing Manager at Walsh's Glass, and Gareth Henderson, newly minted Master Glazier, discuss this important development.

Having commenced with Walsh's Glass in May 2011, Gareth was recently recognised as the fiftieth participant in the AGGA Master Glazier program. 'We encouraged Gareth to participate in the program because we believe that investing in our glaziers is the most effective way to ensure future growth,' Troy explains. 'Being recognised as a Master Glazier will also assist Gareth in managing the glaziers he supervises, so it's a win-win situation.'

Participating in the initiative provides a range of advantages. 'The AGGA Master Glazier program offers our employees previously unavailable career development opportunities, coupled with industry recognition,' Troy continues. 'Given the competitiveness of the West Australian glazing market, we felt that enrolling key employees in the Master Glazier program would provide us with a competitive edge.'

Gareth is keenly appreciative of the possibilities that the Master Glazier program

offers him. 'It's been a long journey up to this point, and I put a great deal of effort into my submission,' he reflects. 'I didn't know about the Master Glazier program before Troy recommended it – but I'm glad he did, as it's been an excellent move for my career.'

In order to become recognised by the AGGA as a Master Glazier, Gareth was asked to provide a comprehensive overview of his career achievements to date. 'To apply, I submitted details of the major jobs and interesting assignments I've completed over the course of my time as a glazier,' he recalls.

It's a long list, as Gareth has worked diligently within the trade since arriving in Australia from the UK over five years ago. 'After becoming a qualified glazier in the UK, it's very fulfilling that I've now been able to make it official here as well,' he says. 'Achieving Master Glazier status provides me with recognition of the skills I've developed and considerable effort I've invested in my career.'

Walsh's Glass currently employs three apprentices within its Commercial Division, on top of the five apprentices currently completing their Certificate III in Glass Processing. 'The Master Glazier program has enabled us to offer our employees a clear career pathway – first to Apprentice, then eventually working toward achieving

Master Glazier status,' Troy explains. 'All Master Glaziers within this program have accumulated 10 years' experience, a requirement which makes the certification a guarantee of expertise.'

Employees also appreciate the initiative. 'By ensuring that our Managers are provided with the necessary training to become Master Glaziers, we are aiding staff retention,' Troy notes. We're encouraging other staff members to sign up to this program as well – for example, another employee with Walsh's Glass, Eric Westwood, is about to become a Certified Glazier.'

The introduction of Master Glazier certification fills a huge gap in the Australian glazing industry. 'The initiative was established relatively recently, with the aim of providing glaziers with the same level of recognition as electricians or plumbers – a situation that urgently needed to be addressed,' Gareth explains. 'You can't hire an unregistered practitioner to do electrical or plumbing work on your house, but many backyard operators will change a pane of glass for \$50 without complying to safety standards. Pushing for a system of registration for glaziers is vital, because glass can be an extremely dangerous – even fatal – product if installed incorrectly.'

→



> Troy Johnson, Gareth Henderson - Walsh Glass

(Gareth Henderson – Walsh's Glass, continued)

'Safety is paramount for us at Walsh's Glass,' Troy agrees. 'Our rigorous safety training and guidelines define us, and our support of the Master Glazier program gels perfectly with this ongoing commitment to health and safety. On the strength of this reputation, we were recently hired for the Shell Petroleum Fitout and the BP Refinery Office Fitout – two of the world's leading oil and gas companies, both with extremely stringent safety policies. As Master Glazier, Gareth managed the Shell project; others now look to him for safety advice, and his example has inspired several apprentices to set a professional goal to also achieve Master Glazier status.'

The AGGA has played a key role in encouraging Walsh's Glass to embrace this program. Patrick Gavaghan was here recently to speak about the Master Glazier program, for example,' Troy says. 'To meet our obligations as WA's largest glazing company, it's important that we're fully on board with OHS safety standards. Getting behind the Master Glazier program is a key part of maintaining this reputation.' **GA**

To find out more about the Master Glazier program, contact Patrick Gavaghan at patrick@agga.asn.au or 0401 555 656.



> Gareth Henderson, officially being presented with his Master Glazier certificate by Peter den Boer GWAWA President

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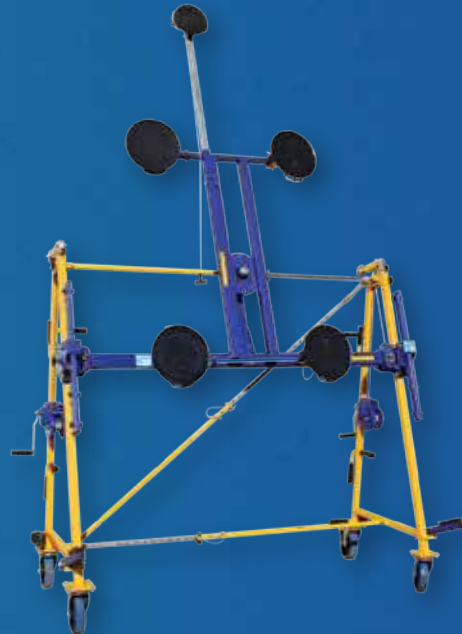


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Accreditation – Why it's Important

Peter Moeller explores how AGGA's Accredited Company Program can help your business stay ahead of the curve in 2017.



> Peter Moeller, President AGGA

The beginning of a New Year presents a timely opportunity for an organisation to take a closer look at its business and make a plan for areas that require improvement.

The glass manufacturing industry is an increasingly competitive marketplace, so companies need to constantly evolve and improve their operations to meet changing customer needs.

Organisations looking to better position themselves for market success in 2017 should consider AGGA's Company Accreditation Program.

The program provides a comprehensive framework to develop and demonstrate the skills, experience and quality of an organisation and its staff. It's built around four key pillars:

1. Master Glazier program – Skilled workers are the driving force behind any team, and AGGA's Master Glazier program offers glaziers a defined career path that allows them to upgrade their skills from Apprentice level right up to Master Glazier level.
2. Compliance – The AGGA accredited program has a number of compliance requirements that must be met by participants. These include:
 - Insurance – all accredited companies are required to have appropriate Public Liability insurance, which typically provides coverage of at least

\$10 million. AGGA has partnered with AB Phillips to provide member companies with a competitively priced insurance product specifically developed for the glazing industry that provides a level of coverage not available elsewhere

- Glass labelling – AGGA provides a range of glass labels for accredited companies to use on projects to show their glass is compliant with AS/NZ 1288 standard
 - Certificates – Accredited companies can provide the AGGA Glazing Certificate to customers to provide assurance that work completed complies with Standard AS/NZ 1288. The certificate also means that customers can mediate with a third party (AGGA) in the event of customer complaints.
3. Safety – AGGA provides a Safety Management System (SMS) free of charge to member companies to help them manage and improve their organisation's Occupational Health and Safety (OHS) performance.
 4. Technical – AGGA requires member companies to have a minimum of one staff member to have passed the AGGA AS/NZ 1288 Advanced Exam. To support this, AGGA provides a number of educational pathways to assist companies in upskilling their glaziers.

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. Some of our own team members have completed parts of the AGGA program, with one of our General Managers, Col Saunders, recently earning his Master Glazier certification.

In addition to the education programs, AGGA can assist organisations in creating their own training goals and strategies, which are crucially important in boosting business growth.

The Viridian Trade Centre and Glazing & Construction Supplies (GCS) have thrown our full support behind AGGA's program through our role as Platinum Sponsors. We have seen how the Australian Glass and Glazing Association's resources can play an important role in strengthening an organisation's development, and we encourage all members of the glazing community to join.

If your company wants to learn more about the Australian Glass and Glazing Association's Accredited Company Program, contact Warren Overton AGGA CEO via warren@agga.asn.au

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17TH – 19TH
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- 100% no touching feature. Brushes can be lifted by means of a pneumatic system, to enable the use of the washer only in spraying mode
- An advanced washing system leaving less water in the glass surface, ensuring a faster drying process
- Separation of the internal washing sections
- Pre-washing solutions for particular processes (double edging, drilling, etc).



Automatic Horizontal washer for Flat Glass - HWMB*

Highlights:

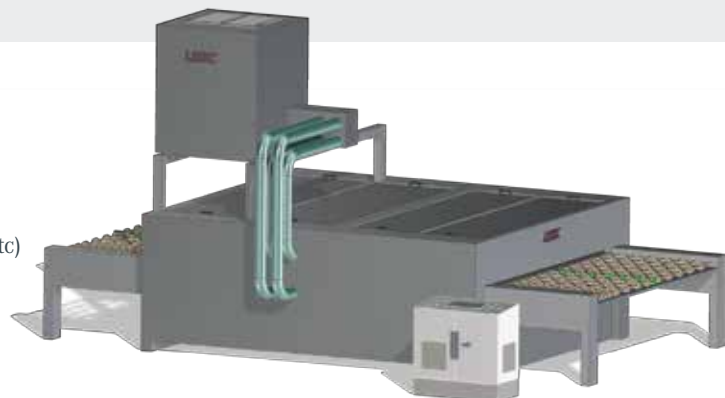
- Inlet conveyor included
- Outlet conveyor according to the maximum glass size
- Software liftable top brushes, for high sensitive glass coatings processing
- Heated water tanks
- Pre-washing solutions for particular processes (double edging, drilling, etc).



Horizontal washer "Base series" - HWF

Highlights:

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What can we look Forward to in 2017

HIA Economic Forecast?

This year will be a challenging one, but the headlines you read are likely to be exaggerated. Gosh, who would have picked that!

The HIA Housing Scorecard and the ACI (our economic consultancy arm) Construction Monitor both highlight the strength in the economies and construction markets of New South Wales and Victoria. NSW is the Number 1 economy and housing market, while Victoria comes in at Number 2 on both these counts, as well as claiming top spot for non-residential construction.

Nothing lasts forever, but the strength of these two economies should carry through 2017, so continue to look for opportunities in Australia's two largest markets.

I'm an economist, though, and we (rightfully!) have a bad name because we often get it wrong!

I read an article recently that noted at the start of last year (2016), the common view among economists was that house prices would stabilise in Sydney and Melbourne by the end of 2016. Some even predicted prices would suffer a significant correction, falling by up to 7% in Melbourne.

What happened in reality – the opposite!

The median price of a home in Australia increased by 10.9% in 2016 – that's not quite a fall!

"Home prices re-accelerated..." read one subsequent headline. That was an avoidable generalisation. Sydney and Melbourne went

gangbusters; Perth fell backwards; Hobart and Canberra started their recovery; growth in 'Regional Australia' (with its own huge diversity) barely covered inflation ... It all depends where you are.

I think that representation of diversity in Australia will persist in 2017. Beyond housing prices, it will be the same for new home building and renovating activity; and broader economic conditions.

I've hardly come up with a new invention here. Diversity has always been the name of the game in Australia, but it's been starker in recent years than is normally the case.

For the record, we did say that residential property prices would rise significantly in 2016 in the boom markets (which means we actually under-represented the pace of growth), but that the diversity of conditions across Australia makes any generalisation irrelevant. That's not difficult analysis, but it's accurate. That situation also applies to new home building and renovating activity.

Given Australia is currently building the largest number of medium/high density units on record, there will be renewed downside risk. That's a no-brainer. Opportunity always beckons, though, especially in a time of challenging markets such as those we face in 2017.

The semi-detached/townhouse market is one to watch. It's a strong 'affordability' play for new home buyers, and we think it has some construction legs in 2017.



> Harley Dale, Chief Economist – HIA

Overall, we are of the view that new dwelling commencements will drop by 13 per cent this year, following four consecutive years of growth. The apartment market, concentrated as it is on the eastern seaboard, will drive the decline. However, all going according to plan – famous words for an economist, as well as for Maxwell Smart – the decline this year will be modest given the dizzy heights of construction we are coming from.

For the record, we have total new dwelling commencements falling in every market except Tasmania this year. Once again, though, the diversity of conditions comes through – the historical level of new housing implied by commencements varies greatly from one state/territory to the next. A decline isn't bad news for NSW or Victoria, although admittedly the outlook is weaker elsewhere.

Renovations activity should increase this year in NSW, Victoria, Queensland and the Australian Capital Territory, while that semi-detached market needs to be eyed off everywhere. Also, don't forget the knock-down rebuild market on the eastern seaboard – especially NSW – that's well worth a look.

Thanks for your time. Feel free to harass me at: h.dale@hia.com.au; Harley Dale on LinkedIn; or @HarleyDale_HIA on Twitter.

Introducing MUTO Comfort – dormakaba's New Manual Sliding Door System

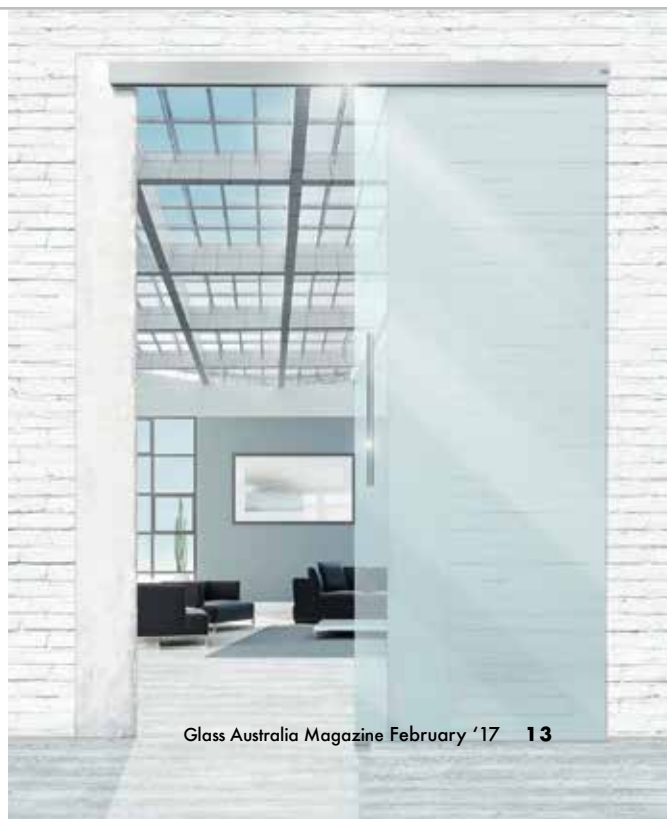
MUTO Comfort, dormakaba's new sliding door system, features both an elegant and compact design for demanding customised system solutions.

The fully integrated sliding door is ideally suited to glass applications, as the diverse range of functions it provides remain completely hidden from view. Features include a self-closing function without external power supply, independent concealed mechanical locking (battery operated),

status indicator for monitoring/building management system and DORMOTION – dampening mechanism without glass preparation.

MUTO Comfort is suitable for light or heavy doors (50 – 200kg), and the innovative design assures easy and fast installation. MUTO Comfort offers a wide choice of finishes and can be matched to virtually any architectural interior.

For further information visit to www.dormakaba.com.au





> Lewis Saragossi

AGGA Congratulate G.James on Celebrating their First Century

> Text by Liz Jarvis



> George James

Australia's integrated glass and aluminium manufacturer and contractor G.James Group celebrates 100 years of operations in 2017.

Today, the highly dynamic company focuses on providing value for money solutions through a wide diversity of glass and aluminium products. Its products and services are widely used throughout Australia, from the largest scale public and commercial projects to individual residences.

From humble beginnings when new migrant George James started a glass merchant business in 1917 and began seeking orders on Brisbane streets, G.James Group now operates from 35 locations, supported by more than 2000 employees.

With sustained growth over many decades, the business has expanded, diversified and invested in operations around Australia and 100 years later has the same family

ownership with George James' grandson Lewis Saragossi at the helm as Group Managing Director and Chairman of Directors.

Now Lewis is guiding his two daughters Rachel and Sarah to lead G.James Group into its next century, continuing its record of 100 per cent family ownership.

Lewis says G.James Group has built its longevity and strength on the integrity of its business principles.

'Our philosophy has always been to offer our customers value for money and an industry-leading experience. This is underpinned by continual investment to enhance our manufacturing capability and our core values of integrity and honesty.'

The business' rich history of great enterprise, diversification and vision began in 1924 when George James opened a glass factory

in Fortitude Valley. Then when son-in-law Joe Saragossi took over the reins following George's death in 1958, he recognised the strength of the existing business and enormous potential of other 'developing' glass markets.

Under Joe's entrepreneurial stewardship, the company entered an extensive program of expansion and capital investment that continues today. In 1964 the company opened a branch at Toowoomba, and after some four years began manufacturing the Ador Hilite aluminium window and door system at both the Fortitude Valley and Toowoomba factories.

Further Queensland branches followed, and then in 1977 G.James Glass Products commenced operations in Sydney with plants in Brisbane and Melbourne to follow. Rollout of branches continued as the company worked on a business model of offering easy-





> Barry Saragossi



> Joe Saragossi

On behalf of all AGGA members, I extend our hearty congratulations to G.James Glass & Aluminium in achieving this significant milestone. We also recognise their longstanding support of the AGGA and valuable contribution to our Australian glass industry.

Warren Overton, CEO AGGA

to-access glass products and glazing services in addition to locally made windows and doors. In 1981, the company's first extrusion press and surface finishing plant opened in Brisbane and heralded the establishment of G.James Aluminium Products, which has since expanded into Sydney, Melbourne and Perth.

Today the group's four distinct divisions include Glass Products, Aluminium Products, Façade Solutions and Windows & Doors.

The group has manufactured and installed façade solutions for some of Australia's highest profile developments including One Central Park in Sydney; Swanston Square in Melbourne; Q1 on the Gold Coast; and Abian Tower in Brisbane.

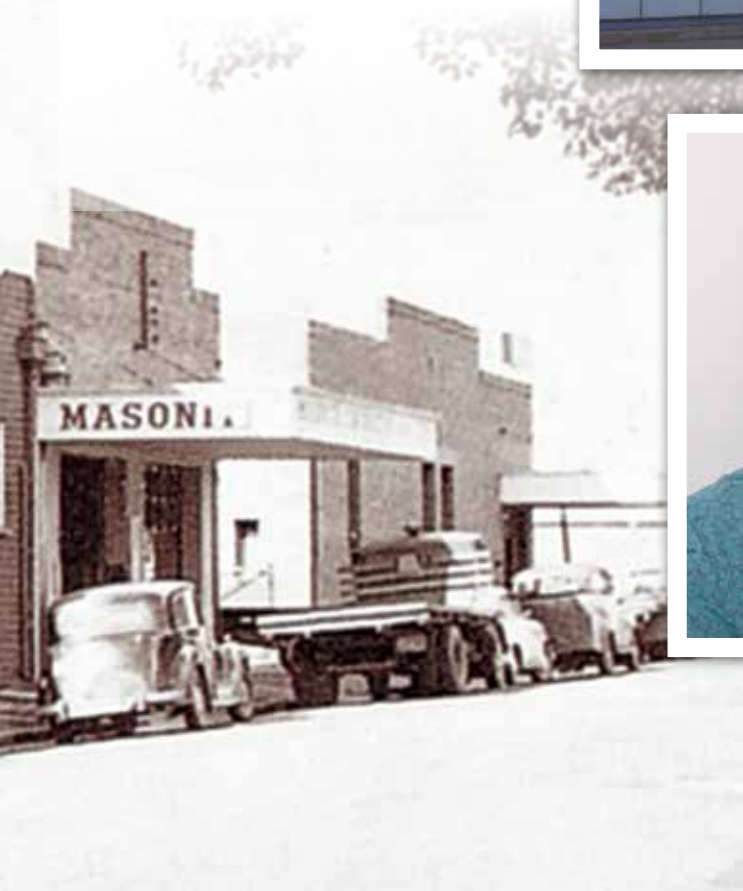
Lewis says the success of the group has only been possible through the contribution, support and loyalty of past and present staff, customers and suppliers.

'Supported by our state-of-the-art manufacturing facilities and strong management with dedicated and capable staff, I look forward to future opportunities

and growth with great optimism. Our business was built on the extraordinary drive, ambition and foresight of my father Joe, and that same passion continues today – our ongoing commitment to local manufacturing, investment in new technologies and to lead with product innovation will see us well-positioned to celebrate many more important milestones.'



> G.James today

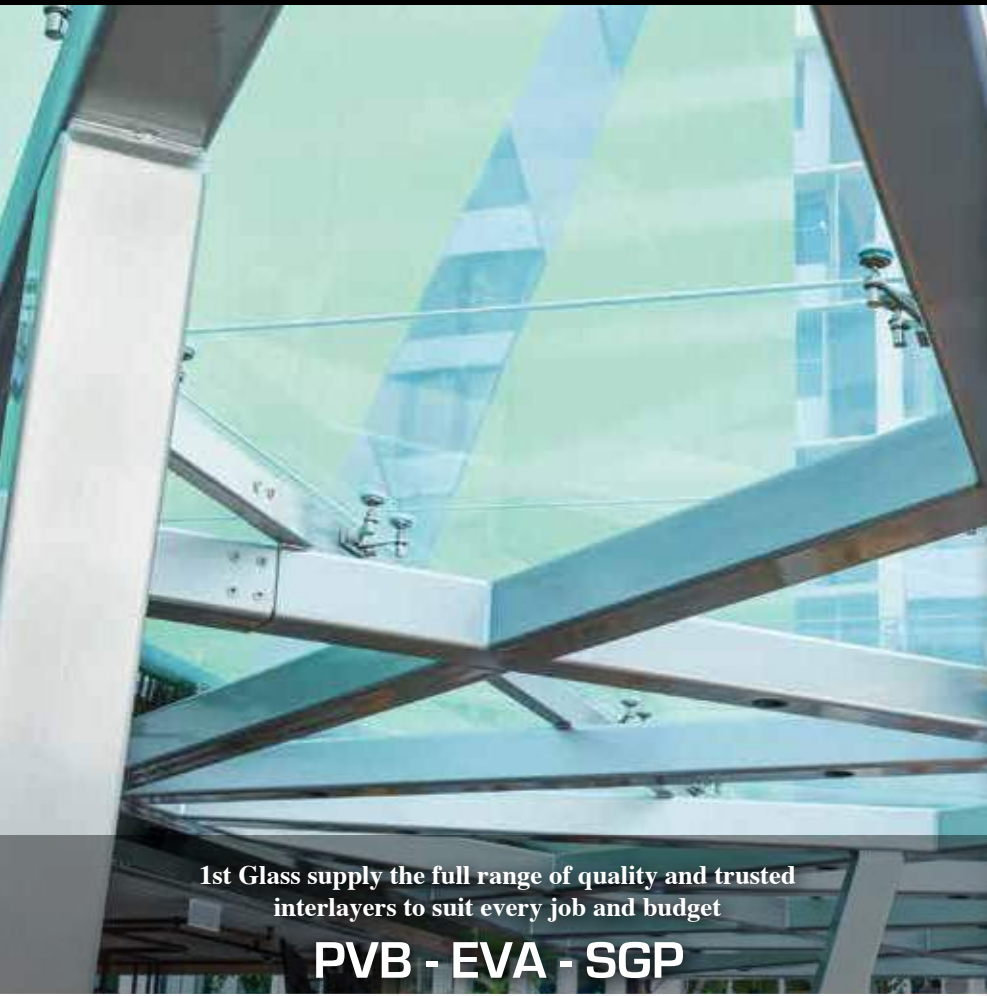


> Sarah Roeloffs



> Rachel Driessen

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AGGA forms new Partnership with

As glass industry apprenticeship recruitment continues to increase, it is important that employers have confidence and trust in the sign-up process for Apprentices. This can be a time-consuming and complex issue for first-time employers, and could lead to frustration with the reams of paperwork.

AGGA has selected MEGT to be our national provider of apprenticeship sign-up and support services. This is a free service for employers and ensures that the sign-up process is a smooth and simple one.

About MEGT

- MEGT (Australia) Ltd was established in 1982 and is a not-for-profit organisation with over 30 years' experience supporting employers, apprentices and trainees.

- MEGT provides a free Australia-wide service.
- As an Apprenticeship Network Provider (ANP), MEGT employs hundreds of staff in over 50 locations throughout Australia.
- MEGT employs local people with local knowledge and has a high standing within their communities.
- MEGT is the only Apprenticeship Network Provider (ANP) with an Australian Apprenticeship Support Network (AASN) contract in all states of Australia and the Australian Capital Territory, and has held this contract since the first contract was awarded back in 1998.

- As an ANP, MEGT guarantees that they will:

- provided accurate and reliable advice
- keep up-to-date with detailed knowledge of federal and state requirements
- be prompt in their response to AGGA member enquiries and needs
- actively support and promote the opportunities provided to apprentices through the Australian Apprenticeship Support Network program.

By using MEGT, you will avoid having to solve any problems arising from an apprenticeship sign-up issue. All you do is call AGGA, and they will work with MEGT to solve the problem for you.

MEGT Contacts				
State	Contact Name	Position	Mobile Number	Email Address
VIC & TAS	Ross Andros	State Manager	0409 110 367	ross_andros@megt.com.au
NSW & ACT	Troy Parkee	State Manager	0401 718 329	troy_parkee@megt.com.au
QLD	John Gray	State Manager	0488 756 680	john_gray@megt.com.au
SA & WA	Ja Turnbull	State Manager	0411 515 398	ja_turnbull@megt.com.au

Adam Roberts First Indigenous Certified Glazier!

Adam Roberts is a member of the Baladung tribal community in Western Australia. He is also the first indigenous Glazier to achieve Certified Glazier status in the AGGA Master Glazier program. When Adam's application was reviewed, his references described him as having an awesome work ethic and great workmanship.

Adam's commitment to the glass industry goes all the way back to his grandfather, Les Dwyer, who passed on his passion for the industry to Adam's father who in turn passed on his commitment to Adam.

Indigenous recruitment into the glazing trade has increased over the last four years, from six in 2012 to 35 in 2015. Adam believes that the glazing trade is very suitable for indigenous people, as

it involves hands-on work, and working outside, as well as changing from day to day.

Presently employed by West Perth Glass and Aluminium, Adam's career started at the age of 18 working with K and R Contracting for over 10 years. He then worked for West Perth Glass for eight years, and also has experience working for other Western Australia glazing companies.

Adam firmly believes that glazing is in his blood, and being recognised by the industry as a Certified Glazier is one of the proudest achievements of his career. His goals are to follow in the footsteps of his family members, promote glazing to his Baladung community, and be the best glazier he can possibly be.



> Adam Roberts, Certified Glazier



Visit to Glasstech Asia 2017

> Patrick Gavaghan, AGGA Training Manager

Singapore Glass Association (SGA) has been in contact with the AGGA for some years. SGA is part of the ASEAN glass group. ASEAN is made up of 10 countries, eight associations and a common conference (Glasstech Asia). SGA invited AGGA to attend the Glasstech Asia 2016 conference held in Ho Chi Min City on 24–26 November 2016.

Glasstech Asia 2017

Held annually, the conference is shared around the ASEAN countries but is predominantly held in either Singapore, Malaysia or Vietnam. Together, these exhibitions are co-organised by the Singapore Glass Association (SGA) and Conference & Exhibition Management Services Pty Ltd (CEMS). They feature 200 exhibitors from 15 countries spread over 10,000 square metres of exhibiting space. Over 5,000 visitors attend the three-day event.

While there, I presented to the Singaporean, Malaysian and Vietnamese Glass associations giving an overview of the vocational education training sectors in Australia, the structure of a qualified glazier program (the Master Glazier program), and an overview of the Accredited Company Program. There is a growing need by the ASEAN glass associations to have properly qualified glaziers working on major projects.

I was also able to present to the Singapore Glass Association and the Vietnamese Glass Association a token of our best wishes in the form of a glass trophy. These were presented at the 12th Vieglass Gala Dinner. Overall, the Glasstech Asia 2016 conference was extremely well-attended by both exhibitors and business alike.



The next Glasstech Asia conference will be held from 22–24 November 2017, at Marina Bay Sands, Singapore. For more information, Email: steven@cems.com.sg Website: www.cems.com.sg

Australia Leads the World in Glazier Training

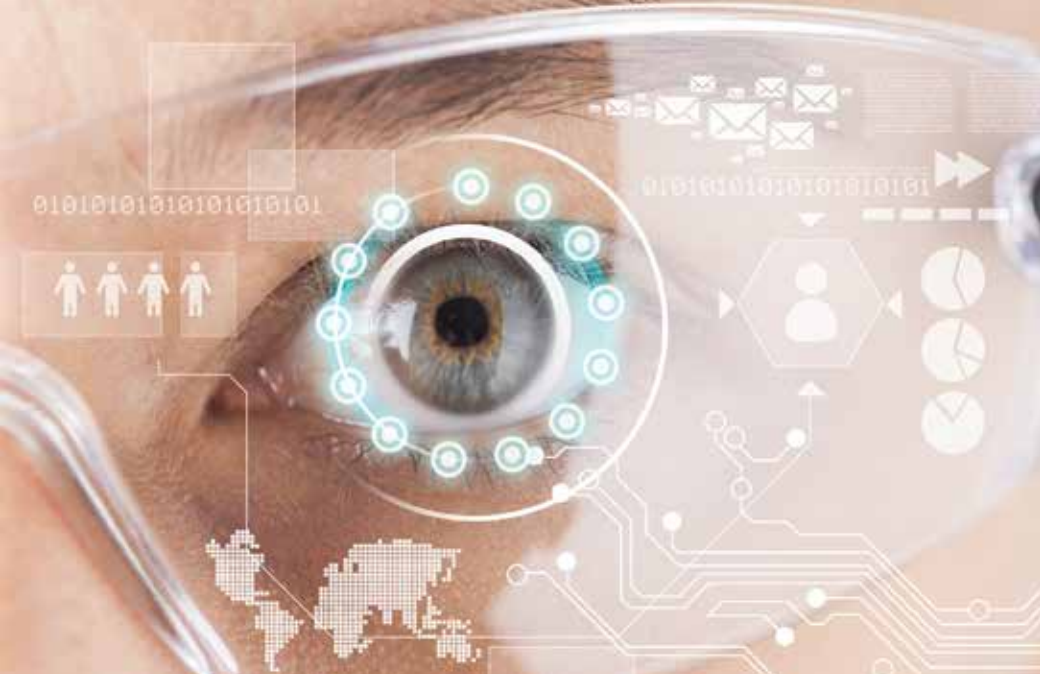
The AGGA continues to promote our glazier qualification and delivery structures across the world.

The National Glass Association of America and the South African Glass and Glazing Association have both adopted the AGGA online programs as the main delivery mechanism training glaziers. Discussions will occur with both Associations in 2017 around

possible customisation and implementation of a Master Glazier program in each country.

AGGA was invited to attend Glasstech Asia 2016 where we were able to promote glazier training, the Master Glazier program and the Accredited Company Program – all of which were well-received by glass associations from Singapore, Malaysia, the Philippines and Vietnam.

We have also received applications from glaziers in Australia who are using overseas qualifications to meet the Master Glazier requirements. A full mapping program is underway for New Zealand flat glass qualification and the United Kingdom glass and glazing qualification, both of which will need to meet the Australian requirements to be eligible for the Master Glazier program.



The future of glass in augmented reality

Most of us are familiar with the two dimensional screen in today's working environment and we've seen virtual reality in design software and gaming. The next big step will be Augmented Reality and Intermac are currently working with the Polytechnic University of Le Marche to bring this exciting concept to their customers. Augmented Reality will simplify human-machine interaction by combining digital images with real objects, and make technology ever more intuitive and usable. This will be the future of industrial glass production, as defined by Industry 4.0.

By combining digital objects with the real world, Augmented Reality will become a powerful way to learn and train both staff and customers. Augmented Reality is defined as "A live direct or indirect view of a physical, real-world environment whose elements are augmented (supplemented) by computer-generated sensory input such as sound, video, graphics or GPS data." Imagine using Augmented Reality to simplify the interaction between humans and machines? Technological solutions will be even more natural and efficient.

Intermac product manager Lorenzo Verdini says "The Augmented Reality headsets alter the view of the real World normally perceived though our senses by overlaying it with artificial and virtual information. The machine operator will be guided through correct suction cup set ups; assembling of diamond tools; maintenance and best practice usage of their Intermac machine. Intermac strives to provide innovative technologies that simplify and accelerate tasks; and close the gap between man and machines with the correct practical knowledge at all times."

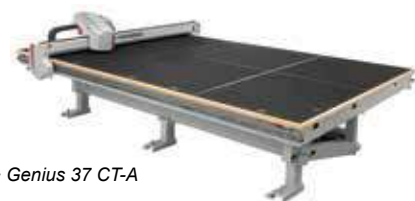
The camera function on a smart phone or tablet will provide a similar but less involving experience.

Intermac conducted the first user-test at Glasstec 2016 where visitors experienced the use of Augmented Reality where they were able to experience first-hand the amazing potential. Although they may never have assembled a component on an Intermac machine before; the headset guided them through every step of the process so they were able to assemble a tool exactly as required for installation on the machine. Innovation is the driving force at Intermac and Augmented Reality will change the way we share business knowledge.

For the present though, Intermac has three exciting new products for 2017 including the Genius CT-Red with a new double guide moving system for cutting float glass sheets and the ability of automatic label application and a superior Low-E Removal system. This innovation targets the most demanding glass processing companies. Intermac's second new release is the new generation Master series 33.3, Master 38.3 and 45.3 glass processing work centres that can be integrated with a robot for loading and unloading of the pieces. The Master series 33.3, Master 38.3 and 45.3 positions the operator at the centre of the machine design, offering increases in comfort and technology. The third new release is the Genius 37 CT-A for straight and shaped cutting of monolithic glass sheets. This machine has superior construction and a dual guide system to increase speed and productivity. The patented 6 position automatic tool change ensures that the correct tool is being used for the glass thickness.



> Genius CT-Red



> Genius 37 CT-A



> Master 33.3



> Master 38.3



> Master 45.3



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AGGA Working Closely with Victorian Government

AGGA National Training Manager Patrick Gavaghan has been appointed to the Manufacturing, Engineering and Automotive Industry Advisory Group (MEAIAG), established by the first Victorian Skills Commissioner (VSC), Mr Neil Coulson.

The VSC will provide advice to the Hon Gayle Tierney MP, Minister for Training and Skills, on the following:

- How the training system can better support the economy and jobs by addressing skills shortages, meeting workforce training needs and boosting productivity for employers.
- How industry input can lead to more strategic and targeted interventions to align the training system with industry needs.
- The training needs of existing and emerging industries.
- Promoting training pathways that lead to jobs and skills development in the workforce.



> Patrick Gavaghan, National Training Manager AGGA

- Addressing the training and workforce development needs of Victoria's regions.

The VSC's initial focus will be to establish and oversee a new industry engagement framework to ensure training aligns with Victoria's labour market requirements. Aligning education and training offered by local institutions with the current and future needs of the state and regional economies will be vital in the years ahead.

Improve Group Apprentice Reallocation Program – Update

In October 2017 a combination of regulatory requirements and a revised business plan resulted in the Improve Group (Glass Skills) deciding to withdraw from delivering the Certificate III in Glass and Glazing to new apprentices in all states and territories excluding New South Wales and Queensland.

AGGA coordinated the reallocation of the apprentices to other AGGA member training organisations, ensuring no loss of apprentices and minimum additional workload to employers.

The transfer of all apprentices has now been completed with no loss to the industry.

There will be an additional review by the Improve Group in New South Wales and Queensland around early March to determine the ongoing delivery of Certificate III in Glass and Glazing in those states.

If you are an apprentice or an employer and have been affected by this program, please call AGGA National Training Manager Patrick Gavaghan on 0401 055 656 if you have any questions.



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Sandra Entermann. Our First Female Certified Glazier!



AGGA is pleased to announce our first female Certified Glazier on the AGGA Master Glazier program. Sandra Entermann.

It was never Sandra's intention to become a glazier. In 1993, after a week of orientation at Griffith University she took a gap year and - after a short period of wondering what to do - commenced work to help her brother Gary in the office of the glass business he had just acquired.

Sandra soon realised that she could be more use in the small business if she learned to cut glass. With a patient brother as a teacher, Sandra learned to respect the glass she worked with and so began a career spanning 23 years of learning, with no stitches!

Always trying to help the business run more efficiently, Sandra finally decided to get

certified when she discovered that prior learning counted, and going to TAFE was not necessary. Sandra fully supports the AGGA Master Glazier program as she believes it will lift the profile of the industry to new entrants. She believes it also shows that glazing is a trade suitable for females and one they can progress in by achieving this higher level status. Sandra will be including it in the next talk she gives to girls who are still at school about the opportunities for females in glazing.

On weekends this 'tradie-lady' swaps 'steels for heels', dresses up and travels wherever she is invited to provide a 'ministry of music', "mending broken windows on weekdays and broken hearts on weekends" is how Sandra puts it. Sandra regularly records in the USA for 3ABN television.

Sandra's glazing duties and responsibilities include onsite quoting of glass repairs, manufacturing glass and acrylic products, processing glass by basic machine, glazing and reglazing residential windows and doors, mirrors, shower screens, picture frames, fish tanks, display cases, etc, assembling shower screens, robe doors, and framed mirrors, drilling holes in glass & acrylic and designing lead lights.

Bill Leavey AGGA Queensland President is not surprised Sandra is the first female to achieve Certified Glazier status in the AGGA program. Greg's Glass & Glazing has been a good Queensland association member for many years and Sandra is well known in the industry as a dedicated glazier from a family business. For more information on Sandra or becoming involved in the Master Glazier program contact AGGA National Training Manager Patrick Gavaghan on 0401 555 656 or email patrick@agga.asn.au



AGGA Appointed to Industry Reference Committee (IRC)

AGGA National Training Manager Patrick Gavaghan has been confirmed as the glass industries representative on the newly formed Industry Reference Committee.

IRCs provide the industry engagement mechanism at the centre of training package development. They provide a conduit for industry feedback to government on industry trends and for promotion of VET (Vocation Educational & Training) to employers.

IRCs are the formal point through which industry requirements for skills are considered and defined in training packages. Key activities for the IRCs members are:

- (a) Gather general intelligence for their industry sectors to inform advice on training package development and review
- (b) Oversee the development and review of

training packages in accordance with the requirements of the AISC (Australian Industry Skills Council)

- (c) Oversee the development of the IRC workplan by the SSO (Service Support Organisation), advising who should be included in the consultation and the type of information to include
- (d) Provide sign off on the workplan, business cases, cases for endorsement and other submissions for consideration by the AISC
- (e) Report to the AISC on progress of its work
- (f) Promote the use of VET in the sectors they represent.

In the course of the development and maintenance of training packages, an IRC may, through its SSO, establish and work

through one or more Technical Advisory Committees (TACs). A TAC may, for example, include technical industry experts, industry associations, regulators and training providers, and can assist the IRC by providing technical input to the review and development of training packages.

The IRC has in place a 4 year plan for the glass industry including the review of the glass industries Certificate III and IV in Glass and Glazing. This may include the formation of a TAC and will include Australia wide consultation. More information will be included in the next edition of Glass Australia. If you have any questions or would like more information about the IRC please contact AGGA National Training Manager Patrick Gavaghan on 0401 555 656 or email Patrick@agga.asn.au

Shane Webcke - Safety Message

> Will Walker, Agga Safety Coordinator

In October, AGGA Queensland held a safety day, which I was very glad to attend. As well as displays there were guest speakers, and one of these was rugby league great Shane Webcke. Now, I confess I'm not really a rugby person, and I was very interested in what this sportsman would say about workplace safety, and how it might relate to our members.

Shane turned out to be one of the most articulate and passionate speakers I've ever heard on workplace safety, and I'd urge anyone who gets the opportunity to attend one of his presentations as a Safety Ambassador to go and listen to him. From the many messages he gave that day, there were a couple of really basic central truths that I thought should be repeated.

1. 'Risk Assessment is not about looking around the corner for the most crazy thing that could possibly happen, it's about realistically looking at the way you're going to do a job and figuring

out what is likely to happen if things go wrong.' He added, 'I've never had to do things more than 1 degree off the way I was going to do things in the first place.'

2. 'People get killed and accidents happen because people get complacent and they think it's not going to happen, and that's when it does happen.'

This is the essence of it; don't make things more complicated than they have to be – identify what realistically might go wrong, and make reasonable changes to avoid that outcome.

Don't be complacent in your workplace – if something needs fixing, fix it; if someone's behaving unsafely, do something to change their behaviour. Otherwise, when the 'accident' happens, you'll be sitting there saying, 'We all knew it was unsafe, but...'

For further information contact AGGA Safety Coordinator Will Walker on 03 8669 0178.



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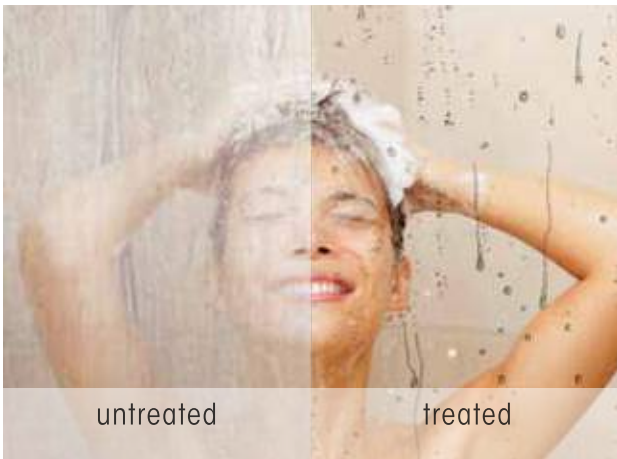


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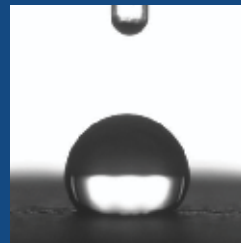
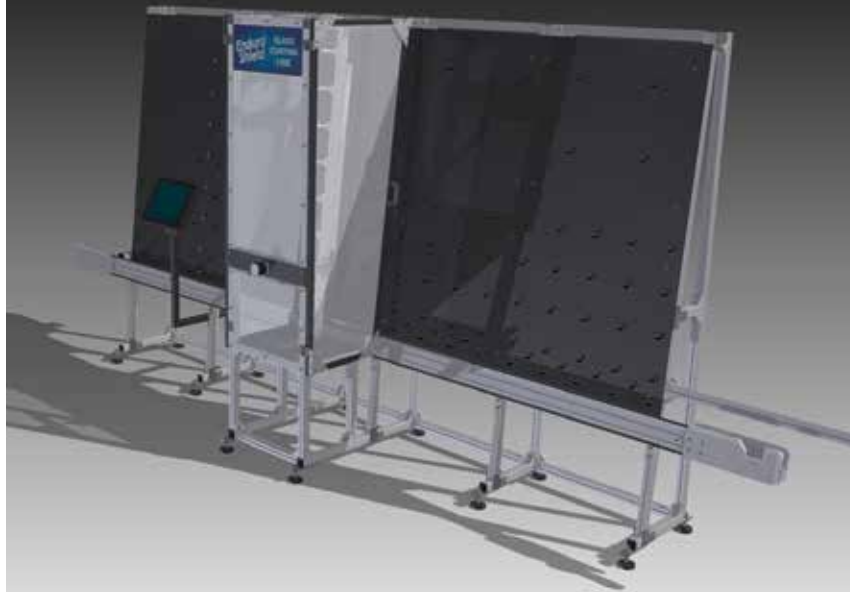


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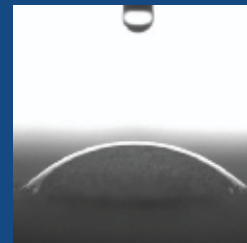
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Intermac's New Revolutionary Campus Opens mid Sep 2017

To further strengthen their position as a market leader in Australia, Intermac have announced their plans to open a revolutionary new educational campus, scheduled for completion in September 2017. Intermac's new purpose built 6000m² premises will be located in Wetherill Park NSW, featuring a 2000m² state-of-art showroom, housing over 100 tonnes of cutting-edge glass, stone, wood and advanced materials processing technology. Their most advanced glass cutting technology, CNC glass processing technology (both vertical and horizontal), and Intermac's revolutionary waterjet cutting solutions will all be on display and fully operational – readily available for customer training and demonstrations.

'We have designed our new campus facility to deliver a total experience for our customers, enabling them to discover the latest glass processing equipment and experience live demonstrations. We also want every visitor to take home the knowledge on how to become an efficient and smart manufacturer. As a result, we have developed a series of educational seminars which will commence shortly, and continue throughout the coming year. We look forward to welcoming all of our customers, old and new, to our new campus,' says Craig Haidley, Intermac Oceania Brand Manager.

'The grand opening of our new campus will provide a great opportunity for our customers

to work closely with our Intermac product specialists and learn from our experienced industry professionals,' says Craig. 'Exchanging ideas, sharing our knowledge and discussing leading industry trends will help all of our customers Think4ward! Intermac is a recognised global leader in glass processing machining centres and innovation is our driving force. Our new campus further demonstrates our commitment to the Oceania region.'

For further information call 02 9609 5355.

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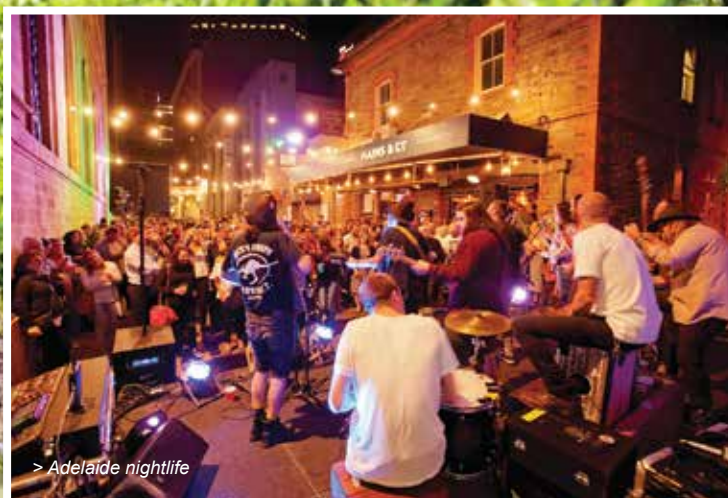
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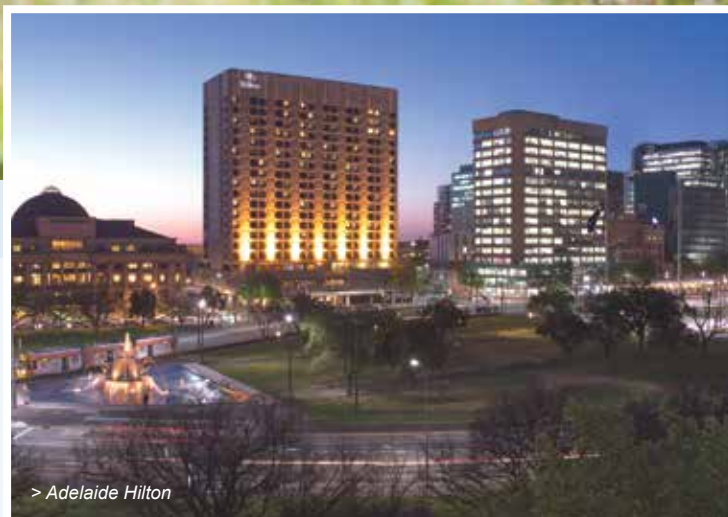
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Remember your Duty of Care



Duty of care is a term that's used often, but what does it mean, and what are the implications in the work that we do?

First, the meaning: 'duty of care' is a term used in the law of negligence. It is an obligation to use reasonable care to protect someone from harm. It is a requirement to act the way a responsible person should act, where a deviation from this could result in negligence. Duty of care applies to actions or failures to act, and is owed by an individual or a business to another entity.

Types of duties of care

There are different types of situations where a duty of care arises.

A manufacturer has a duty of care to make a product safe for use. This includes issuing warnings about a product if there are any hazards present.

Landowners owe a duty of care to individuals who visit their property. This means a landowner must also provide warnings of any dangerous conditions where they exist.

Business owners have a duty of care to provide goods or services that do not present a risk to people, and this applies to employees, customers, and anyone else who may be impacted by the operations of the business (for example, passers-by).

A few examples

In the Glass and Glazing industry, there are many examples where the business operator should be conscious of their duty of care.

If someone is visiting your premises (e.g. showroom or factory), you must ensure there are no hazards which may cause injury, or that those hazards are well-controlled. Examples include: doing floor checks to make sure there are no slip or trip hazards; ensuring no-one is near operating plant; and pedestrian walkways or exclusion zones in factories.

When you sell glass, ask about what it's being used for and ensure you provide a product that conforms to AS 1288 standard. Once you are aware of the application, you have an

obligation to supply the right product, even if the customer insists they want something cheaper.

If you are helping customers load glass, ensure it is loaded in a way that it is not likely to slip or fall and cause injury or damage.

Also, if you're installing glass, you must ensure the product you supply is compliant, the method of fixing is also compliant, and there are no uncontrolled risks presented by the way you do your work.

Speak up...

Always remember that if you see something that is unsafe – a product, situation or action – you have a duty of care to speak up about it. That's what the 'reasonable person' would do, and what our legal system demands.

**For further information contact AGGA
Safety Coordinator Will Walker, on
03 8669 0178.**



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Safety Zones

Over the last couple of months, Will Walker AGGA Safety Coordinator has visited a number of members' workplaces; from very small operations to the very large. One issue that seems to present difficulties in many workplaces is how to delineate areas for reasons of safety, such as walkways or exclusion zones. Commonly, this is done by the use of lines painted on the floor.

On a recent visit to South Australia, he saw a good example of this and thought that it might be something that other members could use.

At the Chevron plant in Royal Park, solid block colours are used to highlight exclusion zones – nothing is permitted within these zones; no rubbish, protruding glass, racks, etc. As well as highlighting the area, the block of colour makes it easier to spot things in prohibited areas. While there he saw workers, both front-line and management, pause to pick up rubbish or reposition something that was intruding on an exclusion zone. This illustrated another point, that the particular safety behaviour was ingrained in the workforce. That only happens when behaviours are driven, demonstrated, and reinforced by management.

It should be pointed out that this isn't the only place this approach used, but as an industry-specific example, it was a good one to feature.

It's important to remember too that, where possible, it's more effective to use physical barriers rather than painted lines. For example, fixed bollards to keep vehicles from a pedestrian area, or a chain across the door to the workshop to keep customers out.

**For any safety enquiries contact
AGGA Safety Coordinator Will Walker
on 03 8669 0178.**



New Italian Subsidiary for Diamut Tooling

European manufacturer Diamut are pleased to announce the opening of their latest Italian subsidiary, further strengthening the strategic stronghold of the leading tooling group. Located in one of Italy's stone districts, Thiene, based in northeast Italy, this new Diamut subsidiary is located at their Uniteam facility.

Diamut's head office and main production facility is located in Lugo, Italy, where for more than 30 years they have been manufacturing a complete range of diamond tools for working glass, stone and synthetic materials.

"Creating custom tooling solutions for our individual clients allows us to offer not only tools, but also total solutions. said Andrea Camilloni, Brand Sales Manager. Diamut's

eight branches across the world (USA and Canada, Brazil, France, Germany, UK, Asia, Australia, New Zealand) fully support our specialist dealer group of 70 and 15 representative agents. We're going from strength to strength."

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"It all comes down to having good equipment and the best people in the business. This is our foundation and we're always going to keep this in the forefront."

From left: Prashneel Prasad, Maika Davis from Glass Team, Kevin from Glaston & David Whitburn

Glaston RC200™ enables responsiveness and flexibility

Glass Team starts operations with top equipment line-up

"When you start up a glass processing facility from scratch, you need to know that you can be comfortable with your choice of equipment. We wanted to have technology that would give us the ability to process high-specification Low-E glass, reliable operation and local engineering support in case we need it," says David Whitburn, Managing Director and Shareholder of Glass Team in Auckland, New Zealand. "So far, we feel that our investment in Glaston RC200™ was absolutely worth it, as our investment in this particular tempering line helps us master those three factors really well."

David Whitburn is no newcomer to the glass industry. With more than 20 years of experience at companies like Pilkington and National Glass in New Zealand, he knows what makes a glass processing business succeed. He also saw an opportunity for a new player in the market that could be responsive and flexible to the booming construction demands in the Auckland area.

In June 2014, Glass Team Ltd was born, and in May 2015, the company began its operations of being a full service provider of glass for windows and doors as well as frameless glass installations, including showers and glass balustrades.

"Our main goal is to satisfy our customers' demands," David states with pride. "My role since I joined has been to put the company together for Glass Team. It's been challenging just as much as it has been rewarding to steer the success of our young startup."

WHAT'S THE BEST EQUIPMENT?

When it came to finding the right equipment for the facility, David explains that he spent a lot of time speaking with others about technology and different machinery options. He wanted to know what would be the best for his new company.

"I knew Glaston quite well from my previous jobs, and I felt especially comfortable with the technology and innovation that is built into each of the furnaces," he explains. "Still, we looked into furnaces from other manufacturers, as well."

In the end, David chose Glaston RC200™ because it was the best fit for the size and scale of his new factory. The order was placed in August 2014, and the new furnace was delivered from Glaston's factory in China at the end of February 2015.

PATIENCE TO SEE THAT WE GOT IT

Since going online, David says he's been very happy with the output. "I'm especially pleased with the productivity of the line, the quality and the fact that the roller wave is well managed. The line has been very good for us when it comes to tempering high-specification glass," he says.

David continues: "We have an in-house engineer that keeps everything working as it should. But we have really not had any major issues with the line at all."

"When the equipment arrived, the local Glaston people and technicians from China did a superior job," he praises.

"The training and handover were very smooth. I was especially impressed with how patient the Glaston training team was to see that we fully understood the furnace. They didn't want to rush anything. Instead, they made sure that we knew exactly what we were doing. Thanks to this, our guys are very comfortable operating the line today."

THE THREE KEY ASPECTS

David admits that the company paid more to go with Glaston, but the investment was worth it. "The technology is key, as it gives us the ability to toughen high-specification Low-E glass that enables us to deliver to our desired market segment. Additionally, the reliability of the machine helps us meet our business goals. And finally, Glaston's local engineering and support was there for us – not that we've needed them much though," he smiles.

Once you have these three key aspects in place, then your glass processing operations will succeed. He goes on to say that the low energy consumption of the line and the high production throughput also help them gain an operational advantage, which is something that David says he would not have gotten from any other tempering furnace manufacturer.

RELATIONSHIPS HELP BUILD BUSINESS

Fortunately for David and his staff of 33, business has started off well and has just kept expanding. The building market, in



"I'm especially pleased with the productivity of the line, the quality and the fact that the roller wave is well managed. The line has been very good for us when it comes to tempering high-specification glass."

- David Whitburn, Managing Director and Shareholder of Glass Team, New Zealand.

particular, is very good at the moment in Auckland, which is helping to fuel the company's growth.

He says that the relationships that were built over many years in previous companies have paid off. Most of their customers joined them right from the beginning of Glass Team.

"For now, we're going to keep doing what we're doing," he says. "Today, we're considered one of the best suppliers in the market with a strong reputation for quality. And customer satisfaction has continued to be one of our key drivers."

"It all comes down to having good equipment and the best people in the business. This is our foundation and we're always going to keep this in the forefront," he states.

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"The training and handover were very smooth. I was especially impressed with how patient the Glaston training team was to see that we fully understood the furnace."



In the end, Glass Team chose Glaston RC200™ because it was the best fit for the size and scale of their new factory. The order was placed in August 2014, and the new furnace was delivered from Glaston's factory in China at the end of February 2015.

A New Beginning – Myer House, Hobart

> Text by Tim Roberts, Photography Design Haus

The new Myer House Building in Liverpool Street, Hobart, was awarded Most Striking Commercial Glazing Project above \$50,000 by the AGGA Tasmania in their 2016 Design Awards. Rising from the ashes of the original building, which was destroyed by a fire in 2007, this project received extensive praise for its light-capturing north-facing design; as well as its inclusion of advanced and innovative components including engineered spider fittings and standoffs.

John Ryan, of Hobart Glass, outlines some of the project's major innovations and challenges. 'We were delighted to initially win the contract – it's such a

landmark site in our city and so professionally rewarding to work with such a talented design team. The façade's four-storey 17.52mm canopy glass is toughened, laminated, and fastened by spider fittings custom-manufactured by Nupress Facades Engineering,' he says. 'These are complemented by a full-height curtain wall with 15mm toughened colour-back fittings, coated finish, and front channel glazing.'

Many other technically innovative features were utilised throughout the Myer House façade. 'All glass was overlaid on CAD prior to steel fabrication, enabling it to be manufactured ahead of the project with impeccable accuracy,'

says John. 'Additional features include 12mm toughened panels with 15mm mechanical fixed stiffening fins, as well as double frameless pivoting doors and floor springs to accommodate large retail displays.'

The project's joinery was also praised by the AGGA Tasmania judging panel, as were the consistently tight clearances between doors, sidelights, and glazing channels, and the minimal deflection evident in the glazed walls. These and other precision characteristics provide strong evidence of Myer House's impeccable build quality. →





(Myer House, continued)

Installing this complex façade on such a challenging site required intricate footwork. 'One of the major issues we faced when installing the glazing onsite was the very limited access, which required extensive skill and patience,' John remembers. 'At one stage, we had four 60-foot knuckle booms and a crane working in a single confined area. A tower crane lifted the stillages onto the first floor, while a Maeda crane lowered the panels for the entrance canopy. It was a major production – we had a team of workers abseiling inside the structure, installing the ceiling and adjusting the panels.'

Further layers of complexity were involved. 'The Myer Building was a marriage between concrete, steel and glass ... but it wasn't always a marriage made in heaven,' John notes wryly. 'For example, the adjacent curtain wall was constructed from 15mm toughened colour-backed glass, designed to tolerate some 20mm of movement from floor to floor – a huge challenge.'

Given such a difficult task, timelines were extremely tight. 'We had about 10 days to complete the entrance canopy, and finished only one day before the opening,' John remembers. 'We were even working under lights for a large part of that time to get everything done.'

These difficulties were overcome through careful planning. 'With custom fittings and sizes calculated precisely prior to steel fabrication, and with the Hobart Glass team's continued commitment, we were able to complete the job on time within a tight schedule and restricted access.'

As the acclaim suggests, the outcome was worth it. 'The final result is a credit to the entire team who worked on the installation,' John confirms. 'Due to its unique conception by Design Haus Architects, Hobart Glass was particularly keen to be part of this project. Throughout, we worked extensively with Director of Design Haus, Richard Crawford, and Associate at Design Haus, Andrew McCreary.'

Richard and Andrew explained the philosophy behind the façade. 'Working with a building type that has been traditionally associated with internalised, artificially lit and disorienting spaces, we carved a four-storey vertical slice from the Liverpool Street concrete façade,' Andrew explains. 'This allowed natural light to infiltrate, providing shoppers with a sense of orientation and a relationship with the city beyond.'

The glazing used is integral to the abundant admission of light. 'The generous wall of

glass on the street front helps dissolve the building's mass, as well as drawing attention to the higher levels with visual displays and glimpses of activity,' Richard continues. 'By night, the glazing transforms the building into a lantern, illuminating the street and inviting observers to participate in the rituals of late-night shopping.'

The façade's physical form enables Myer House to achieve a lightness of touch. 'The early sketches for the façade explored a language of weaving, creasing, folding, pleating and draping – notions linked to the creation, display and modelling of fashion attire,' says Richard. 'The articulated draping of the glass entry canopy, the considered shaping of aluminium blades interspersed with panels of colours and directional lighting, and the silky patterns in the concrete panels, explore these ideas while creating a sense of movement as people move past the building.'

This fruitful collaboration has ensured that the new Myer House makes the most of technically advanced building materials, the combined skills of a highly experienced glazing team, while drawing on the unique site's vivid and rich history in the heart of Hobart city's retail centre. **GA**



'The Myer Building was a marriage between concrete, steel and glass ... but it wasn't always a marriage made in heaven,'

CONGRATULATIONS TO A TASSIE ICON

The Nupress team would like to congratulate Hobart Glass & Aluminium on winning the **Most Striking Commercial Glazing Project above \$50,000** for the new Myer House. It has been an absolute pleasure working with Hobart Glass to deliver such an iconic building to the people of Hobart.

As project partners, Nupress designed, engineered and manufactured the custom components that allowed the designer's vision to become a reality.

Congratulations to John Ryan and the team on your approach and expertise!

To find out more about this project, check out our Facebook page facebook.com/NupressGroup





Barossa Glass – Honouring Heritage

> Text by Tim Roberts, Photography Seppeltsfield, Dragan Radocaj
Photography and Nicole Semmler

The AGGA SA Design Awards for the Best Use of Glass and Glazing Under \$50,000 Commercial was won by Barossa Glass in 2016, for their inventive redevelopment of the historic Seppeltsfield Winery's cellar door and restaurant. Jerome Semmler, General Manager of Barossa Glass, explains how his company handled this seamless union of heritage and innovation.

It all started when Bartsch Homes, the company chosen for the redevelopment, approached Barossa Glass to provide the glass balustrade and internal glass partition dividing the cellar door from the restaurant. 'The balustrade is a standout component of the restaurant's internal glazing and fitout,' says Jerome. 'We worked closely with the engineers to devise a solution that reflected the architect's original concept. As the winery was heritage-listed, we treated the project with great care.'

It was a complex brief. 'The architect envisaged a balustrade constructed from powder-coated 50mm x 12mm flat steel bar, with 10mm toughened clear glass infill supported by a U-channel on its top and bottom edges,' says Jerome. 'When this proved impractical, I proposed altering the design to a narrow 50mm x 20mm hollow steel section. This offered the same slimline effect, while concealing all fixings and providing a much neater, minimalist finish.'

Each steel section was fabricated in the Barossa Glass workshop, constructed from toughened glass to meet Australian Standards and customised to reflect the winery's varying dimensions and changing levels. 'We designed and prefabricated every balustrading panel, before powder-coating and assembling them neatly onsite,' Jerome recalls.



Yet installing the balustrade proved to be a complex process. 'The floor fixings for the balustrade were concealed under the French oak flooring, requiring modification during construction to spread the load over several floor joists,' Jerome explains. 'This allowed the balustrade to sit neatly on the edge of the mezzanine timber floor, with only a thin laser-cut dress ring at floor level.'

To respect the building's dual role as a restaurant and cellar door, Barossa Glass had to work creatively. 'Underneath the restaurant and cellar door sits several wax-lined concrete wine vats, now converted into a rustic underground dining area,' says Jerome. 'These have been divided with frameless floor-to-ceiling toughened glass partitions of very low light reflectance, acoustically isolating the dining area from the cellar door while maintaining a visual connection between the separate spaces. The partitions enclose a frameless hydraulic closing door, making the building's heritage visible while retaining its open interior feel.'

A section of the glazed partition flows on to meet a long feature fireplace, clad in recycled slate vat lids from Seppeltsfield Winery. 'The architect wanted a frameless glass gate to slide into a hidden cavity within the fireplace,' says Jerome. 'Height-adjustable bottom rollers with anti-derail safety features were used, resulting in a streamlined frameless look. All guides, stops and catches required to securely hold the gate in the open or closed position have been fully concealed.'

The timeline for this aspect of the project was extremely tight. 'This final partition section could only be measured after the fireplace cladding was installed, requiring an early morning trip to collect the 12mm toughened glass straight from their furnace and install it immediately prior to the opening lunch,' Jerome recalls. 'The winery management was very thankful for our dedication to realising these plans on schedule.'

→





(Seppeltsfield Winery, continued)



The renovation's visual centrepiece is a striking glass-headed wine barrel with laser-cut logo, placing the vineyard's defining product on full display. 'The cooper approached us to assist with constructing a custom barrel to sit on the restaurant countertop,' explains Jerome. 'This unique barrel houses a sample of the vineyard's renowned fortified wine, showcasing its long tradition of wine tastings dating to 1878.'

Designing the composite barrel presented significant challenges. 'It had to be watertight without the use of sealant, so the timber had to be tightly compressed against the glass,' Jerome explains. 'We worked closely with the cooper during construction to make sure all components fitted together as snugly as possible. We precisely matched the profile of a timber barrelhead, then bevelled two 10mm glass circles to the correct thickness. This created a watertight seal when the hoops were pressed over the oak staves.'

For Jerome and Barossa Glass, receiving the award for this inventive work came as an unexpected surprise. 'One day, one of my suppliers suggested that the work we did on this project was worthy of the nomination,' he remembers. 'I was thrilled to make it into the finals, and even more honoured when our project won on the night.'

Multiple elements of the project have been acclaimed. 'We have received very positive feedback regarding our collaboration with Seppeltsfield Winery, and we're more than happy to show off our work to clients,' Jerome concludes. 'This was a detailed and demanding job, and we're very proud of the results.'

The Seppeltsfield Winery project is a perfect example of a glazing company showing respect for a heritage building while adding an inspiring modern twist. **GA**

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■ Industry News

Building Senate Inquiry Back On



> Nick Xenophon – Senator for South Australia.
Member Senate Inquiry – Non Compliant Building Materials

With the inquiry being placed on hold just prior to last year's federal election, the Senate inquiry into nonconforming building materials is back on the agenda, with the reformed committee given until 25 May 2017 to make its report.

The inquiry was originally proposed following an incident, where incorrect cladding had been installed to the façade of a Melbourne high-rise, contributing to a major fire taking hold of the Docklands residential building. The new inquiry has expanded their terms of reference to now include industry concerns relating to the illegal importation and use of asbestos in buildings.

The committee was originally expected to report by October 2015, but after a series of extensions, the inquiry was eventually put on hold in the lead-up to the election.

The AGGA has actively contributed to this inquiry over the past 12 months. We will continue to report back to members on all developments.

Safety Matters

A reminder to visit the AGGA website and have a look through the new 'Safety Resources' section. Feel free to contact AGGA Safety Coordinator Will Walker with suggestions for other resources you think might be useful to members.

Also, in the 'Safety Management System' section, under 'Measurement & Evaluation', you'll find the SMS Self-Assessment tool. Download the tool and test your own safety processes with it. Any feedback you have on the tool, the process, or how you performed will be much appreciated.

**For further information contact AGGA
Safety Coordinator Will Walker on
03 8669 0178.**



Get Your Nominations In!

It's time to enter your nominations for the State Safety and Design Awards, the winners of which will vie for our national awards in August.

Each state association will host their own awards night and gala dinner on varying dates during 2017 – nomination forms are available through your AGGA state office. The winners will then represent their state in the AGGA Safety and National Design Awards announced at our GA 17 conference to be held in Adelaide 17–19 August 2017.

The national award categories are:

- Best Commercial Project under \$50K
- Best Domestic Project under \$50K
- Best Commercial Project over \$50K
- Best Domestic Project over \$50K
- Safety Award

State Awards Nights include:

Tasmania – 24 March 2017

South Australia – 19 May 2017

New South Wales – 2 June 2017

Western Australia – 24 June 2017

Victoria – 7 July 2017

Queensland – 14 July 2017.

Nominations close at least one month before the awards, so please check with your state office for final dates, get those nomination forms in and support your state's talented designers and glaziers.

Find a Glazier

The new Find a Glazier search function is now available on the AGGA website landing page. The service is as easy as clicking on the 'Find a Glazier' tab then searching by category (double glazing, repair & replacement, commercial etc.), suburb or postcode, and distance radius. This will bring up the nearest results with contact details and a map locator.

Members are reminded to update their company details via their member portal to ensure your listing is accurate. If you don't tick the appropriate box, then the details may not appear in the Find a Glazier search and you'll potentially miss out on business. Find a Glazier has been developed to assist consumers and the building industry to source both residential and commercial glaziers Australia-wide.




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Vitrum 2017

Milan 3–6 October 2017

Plans for Vitrum 2017 are well-advanced and promising to be a great event for glass and glazing professionals worldwide. True Italian hospitality and a warm welcome are guaranteed, and the entirely revamped format promises to increase exhibitor interest and visitor participation in 2017. 'Supplier seminars, conferences for trade professionals and B2B meetings are all scheduled and Vitrum are hoping for a record number of exhibitors,' says President Dino Zandonella Necca. 'Vitrum 2017 is geared to respond more closely than ever to the needs of all visitors and exhibitors.' The signs of improvement in the global socio-economic environment and the mounting speed at which innovations in the glass processing sector are being churned out are two elements that bode extremely well for the Expo.'

The Vitrum organisational machine is gearing up for this new, exciting edition that will shine a spotlight on the multifaceted world of glass.

Innovation will be on show at Vitrum 2017, as will many products of excellence.'

**For further information on Vitrum 2017
log onto www.vitrum-milano.it**



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Energy Saving Glass (UK) Invests in New Forel Vertical Cutting Line

One of the UK's most successful and progressive IGU manufacturers has recently installed Forel's upgraded fully automated Vertical Laminated Glass Cutting Line. This new technology has the capability to process full sheet laminated glass stock, entirely in the vertical axis.

Looking to expand their business from their traditional model to now supply product to an expanding customer base of glass processors, Energy Saving Glass UK now have the ability to substantially increase their overall output whilst dramatically reducing their machinery footprint. Capable of processing sheets up to 6000mm x 3300mm, the new Forel Vertical Cutting Line achieves cut-to-size accuracy to within $\pm 0.2\text{mm/linear metre}$, while the square cut feature is also guaranteed by revolutionary cutting bridges that adjust

to within $\pm 15\text{ mm}$ to accommodate out-of-square glass, a new feature introduced by Forel in 2016. Keeping glass in the vertical throughout the cutting process also reduces tension of the applied load on the glass sheet, and with it, the risk of breakage.

'This is an exciting new development from Forel,' says Neil Searle, Managing Director

of OGA. 'This technology is exclusive to Forel, and positions them firmly as an industry leader in the manufacture of innovative glass processing technology.'

For further information, contact Steve or Neil at OGA on 03 9587 2488.



Cooling Brothers Launch ULTRA COOL-E IGUs

Cooling Brothers has recently launched their new ULTRA COOL-E range of IGUs to the market nationally. Exclusive to Cooling Brothers, this new generation range of quality IGUs, features a soft coat Low-E glass that delivers superior performance. Manufactured locally and available nationally, Ultra Cool-E IGUs feature a double silver coating using twin magnetron sputter technology. Cooling Brothers believe their new system offers the very best in performance, and without any compromise, when considering the important need to maximise VLT (Visual Light Transmittance) and minimise SHGC (Solar Heat Gain Coefficient). Ultra Cool-E offers high neutral visual light with superior insulation and solar control. These three factors are increasingly important as thermal performance and improved energy efficiency

have become critical considerations in building design, while maintaining uncompromising views. In addition to standard clear glass, Ultra Cool-E is available in Green, Grey, Bronze and Dark Grey. These options offer even lower reflectance, reduced glare and improved solar control.

'When it comes to state-of-the-art, high performance glass and the ultimate in thermal insulation, this new addition to our quality range ticks all the boxes,' says Vince Bianchini, Director of Sales & Marketing at Cooling Brothers. 'We welcome trade inquiries from the industry – ULTRA COOL-E IGUs will be available Australia-wide.'

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BGE Looking to the Future

2017 celebrates a new chapter for Australian manufacturer Bremner Glass Equipment (BGE). With their recent move to newly built premises in Dandenong South, BGE's new premises complement the exciting new direction for the company, streamlining production and introducing more efficient and innovative methods of manufacture, expanding services and technologies for BGE glass industry customers nationally.

Manufacturing leading glass transport systems, lifting devices, handling equipment

and consumables. BGE had previously operated at their Braeside factory for nearly 20 years, but their expanding operation and service offering called for new and improved facilities required to deliver on the next generation of BGE services, equipment and machinery.

Relocating to a brand new premises at 29 Edison Road Dandenong South, the new BGE site is conveniently located for customers and closer to their important network of local suppliers.

'With our rich history in servicing the glass industry since 1926, BGE will continue to supply only quality and fully compliant equipment, tools and consumables to the glass industry nationally. Our future is focused on delivering the very best in innovative and highly advanced solutions for the glass industry – assisting our customers to optimise their service offering and operating efficiencies,' says Robert Sword, General Manager of BGE.



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LiSEC welcome Schraml Glastechnik GmbH to the fold

LiSEC have recently confirmed their acquisition of glass processing machinery company and specialist niche supplier, Schraml Glastechnik GmbH. Recognised internationally for their quality and extensive range of drilling and milling machinery for the flat glass industry, the Schraml Glastechnik customer base extends world-wide. Pioneers in the manufacture of vertical glass drilling machinery, Schraml Glastechnik GmbH machinery has installed and serviced over 1,000 machines worldwide.

"With their reputation as a high-quality manufacturer, the acquisition of Schraml Glastechnik GmbH is seen as a perfect match to our LiSEC brand, fully complementing our existing range of quality glass processing machinery," said Sandro Ianni, General Manager LiSEC Australia. "This specialist niche supplier expands our offering, enabling further integration on every glass processing line and delivering improved economies and efficiencies to our customers."



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Not all IGUs are Created Equal: How IGMA is Educating Consumers

The Insulating Glass Manufacturers Affiliation (IGMA) represents the leading Australian manufacturers and suppliers of IGUs. We work with industry and government to develop IGU standards, and provide training and information to our members. To support IGU manufacturers, we developed IGMAP, a quality approval program that compasses product, process and auditing.

One of the benefits of being a IGMA member is providing representation to the wider industry and consumers. Most recently, we have been working to educate homeowners about the potential risks of purchasing poor-quality IGUs. In doing so, we seek to promote our members, who are dedicated to producing premium Australian products.

In collaboration with creative agency One Small Step Collective, we have produced a strategy to increase awareness about the difference between premium and poor-quality IGUs. To do this, we have been looking into how much consumers already know about IGUs, and the way that they are accessing information online.

Google search trends indicate that, while worldwide interest in double-glazing is declining, Australian interest is growing significantly and reached peak levels in 2016. There's a similar spike in conversation across Australian social media, where consumers' conversations are largely focused on fact-



finding missions to understand what a quality IGU is. Interestingly, a significant topic of conversation is the risks of buying poorly made or foreign-made IGUs.

Our research with One Small Step Collective suggests that consumers are already actively involved in educating themselves prior to purchase. The trends confirm the need for accessible information and industry certification to distinguish the premium products from those that are poorly made.

Following the research, we began to develop our first tranche of communication to educate consumers and promote IGMAP Approval. This includes a series of digital display ads that direct viewers to a downloadable IGU resource. The information sheet uses infographics to clearly communicate the difference between IGMAP-Approved IGUs, and cheaply made poor-quality IGUs. These are helpful diagrams that somebody can reference when speaking with their glazier.

For us, it's important that the information is clear, visually understandable and can be easily shared across social media and online forums.

Online research has become an important step for homeowners before deciding on an IGU. Our strategy in developing these online ads and resources is to reach out to consumers during this 'research phase.' By connecting with consumers then, we empower them to form a more meaningful conversation with their glazier. Ultimately, this leads to more energy-efficient homes, satisfied homeowners, and referral business for our members.

To find out more about IGMA and the IGMAP process, go to agga.org.au/igma.



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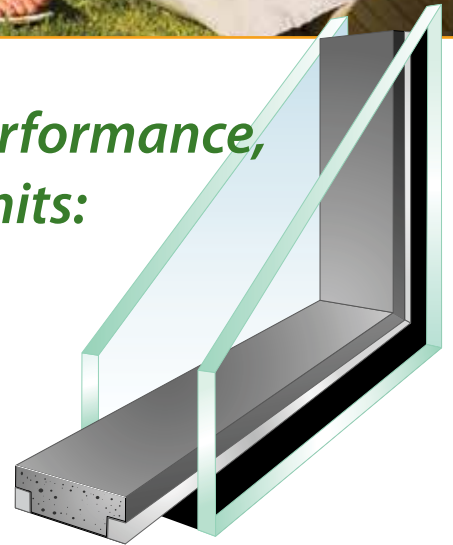
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GA17 National Conference

The annual Glass Australia National Conference GA17, has been confirmed for 17–19 August at the Adelaide Hilton.

GA17 will be the highpoint of the glass industry calendar with themed events and industry speakers forming part of the program, as well as the much anticipated announcement of the National Safety Design Award winners. Plenty of networking opportunities are on offer, along with top-class meeting facilities.

Host venue for GA17 is the five-star Hilton Hotel in the heart of Adelaide. Apart from luxury accommodation and world-class meeting facilities, the Hilton features fine dining restaurants, a luxurious swimming pool, fitness room and jogging track, and easy access to all that Adelaide has to offer.

The weekend will provide opportunities for touring the City of Churches, wandering through the Adelaide Botanic Gardens, adventures on the Glenelg tram, or enjoying

memorable excursions to the various wineries or villages nestled in the Adelaide Hills.

Sponsorship packages and exhibition spaces are now available.

For more information and to book your place, contact Jane Docherty at jane@agga.asn.au or call 03 8669 0174.

Early bird registrations will open soon

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GA17 GALA DINNER



EXCLUSIVE CASUAL DINNER



Queensland Glass & Glazing Safety Spectacular

AGGA Queensland held a Glass and Glazing Workplace Safety Spectacular at Eagle Farm on 29 October as part of Safety Month.

The event was held in conjunction with Workplace, Health & Safety Queensland (WHSQ), which has worked closely with AGGA Queensland over the past 18 months to build members' awareness and understanding across a range of work health and safety matters.

Among the speakers was former Australian swim coach, Laurie Lawrence, a well-known advocate for swim safety through his 'Kids Alive – Do the Five' campaign, and also a business owner who is very conscious of Workplace Health & Safety. Laurie was on

hand to support the launch of the SafetySmart Phone cloud-based application. Safety Smart is a cloud-based solution written specifically for the Glass and Glazing industry to manage all operational safety requirements. The solution provides one company log on with accessibility and capability across mobile, tablet and desktop to access resources within the cloud anywhere at any time. The system can be tailored and branded to meet your unique organisational requirements.

The Safety Sub-Committee of AGGA Queensland, represented by Glass Industry businesses including Queensland Glass, True Blue Glass, O'Brien Glass, National Glass, G.James Glass & Aluminium, Jeld-Wen,

APQ Glass, Viridian and TAFE Queensland SkillsTech (TQST), endorsed the event with chair Peter Collishaw (Queensland Glass) providing logistical coordinating support in conjunction with WHSQ.

Congratulations to AGGA Queensland for taking this industry lead.



AGGA Queensland thank the Queensland Government for their support of this event.

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GA17

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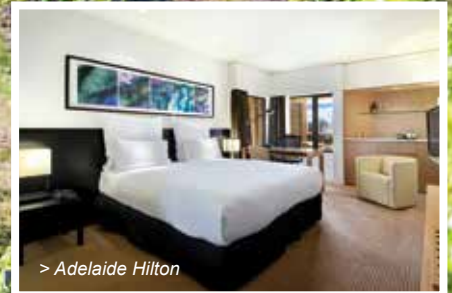
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GA17 GALA DINNER



EXCLUSIVE CASUAL DINNER



KicoGlass is now up and running for quite some time. To check out some of its functionality, download the pdf from the Kico website at www.kico.com. To get you started quickly, we have added a getting started guide as well. Furthermore, if you sign up your site will be initialised with some basic data, a few glass types (don't mind the silly prices) and a test customer, so you can have a play and enter an order immediately.

Using the getting started guide will help you understand the whole system quickly and explains how you enter your basic data so KicoGlass becomes really useful to you. You can set up your company info and upload a logo to appear on your personalised version of KicoGlass and on all your printouts like quotes, invoices and delivery dockets.

Have a look at our explainer videos as well to learn how to use KicoDraw, the design tool that comes with every installation of KicoGlass. You can pick shapes from a catalogue or draw your own and KicoDraw will show you all the measurement entries you might need.

You can sign up for basic production support to produce production labels and progress reports via barcode scanner, or you can use our new advanced production management that in addition helps you plan production. Furthermore you can install KicoOpt to optimise layouts and generate cut code for your glass cutter.

Go to www.kico.com for more information and to sign up for a 2 month free trial.

AGGA Safety Sub-Committee Update

> Joe Finn, Chair

Safety Fact Sheets

Our new Safety Fact Sheet, Manual Handling on Sites, has now been published and is available to download on the AGGA website.

Safe Work Method Statements (SWMS)

Draft SWMS have been submitted to the Safety Sub-Committee for Work at Height and Hacking out. These will be published on the AGGA website shortly.

Safety Coordinator

The AGGA Safety Management System has been completed and is available on the AGGA

web page (member section), along with the SMS Self-assessment tool. The safety self-audit has been developed for members to use as a first step to assess where they need assistance. The SMS can also be used by members with existing systems, to demonstrate that they meet the requirements of the Accredited Company Program.

Increased promotion of the availability of the AGGA Safety Coordinator, Will Walker, has resulted in several requests for assistance. Will has visited South Australia where he presented at the General Meeting and visited

members to provide valuable support.

A safety survey has been sent out to members to establish a benchmark of current performance and to identify common areas requiring support.

The SSC meets regularly to review issues and progress various agenda items.

If you require advice or information on a relevant issue requiring their attention, email the AGGA on agga@agga.asn.au

AGGA Training Sub-Committee Update

> Patrick Gavaghan, Chair

Master Glazier Program

We appointed our 50th Master Glazier program participant in November last year, and are on target to achieve our quota of 200 Master/Certified Glaziers by June 2017. With the roll-out of the Master Glazier application workshops in Tasmania, Queensland, South Australia and New South Wales late last year, it is expected that the application rate will only continue to increase.

The Master Glazier Guide has been well-received and reinforces the quality of the program. With the introduction of the Master Glazier Delivery Team, promotion will be developed centrally for use among the state associations to achieve the KPIs set by the board. There continues to be interest from non-members to get into the Master Glazier program.

AS/NZ 1288 Programs

The new AGGA website for online learning resource has been well-received; the online programs have been upgraded to include CPD points for the Master Glazier program. All AS/NZ 1288 programs and videos can be purchased online at www.aggaonline.com.au

AGGA Training Sub-Committee and RTO member meetings

The AGGA Training Sub-Committee and RTO member meetings continue to grow and are proving to be an excellent consultation process, with a quicker signoff on issues than in the past.

AGGA has been accepted as the representative for the glass industry on the Federal Government's newly-formed Industry Reference Committee (IRC).

Overseas Collaboration

The National Glass Association of America and the South African Glass and Glazing Association have both confirmed their interest to introduce AGGA's online training program. AGGA are currently in negotiations with other countries.

The TSC meets regularly to review issues and progress various agenda items.

If you require advice or information on a relevant issue requiring their attention, email the AGGA on agga@agga.asn.au

AGGA Marketing Sub-Committee Update

> Justin Jays, Chair

Dedicated sessions have been conducted to create and review the communications plan in the following areas:

Accredited Company Program (ACP)

A suite of one-page brochures have been created following the Four Pillars of the Accredited Company Program – Master Glazier, Technical, Compliance and Safety – which form the basis of all communications regarding the ACP. As the platinum sponsor, Viridian are promoting the Accredited Company Program through their materials and external communications.

Information Flip Books and Promotion

These will be used for each state to promote the ACP further, both internally and externally. In addition to the flip books, the ACP will be promoted via our monthly EDMs to state members, direct mail, one-on-one visits with members and non-members, presentations at state events and workshops to assist with the application process.

New brand guidelines have been created to reflect the ACP four pillars, and includes new collateral as well as changes to some of the state logos.

Website and Facebook

Website content is now undergoing a clean-up process and will reflect the four pillars of the ACP. The 'Find A Glazier' locator on the landing page is now available for members to update.

The MSC meets regularly to review issues and progress various agenda items.

If you require advice or information on a relevant issue requiring their attention, email the AGGA on agga@agga.asn.au

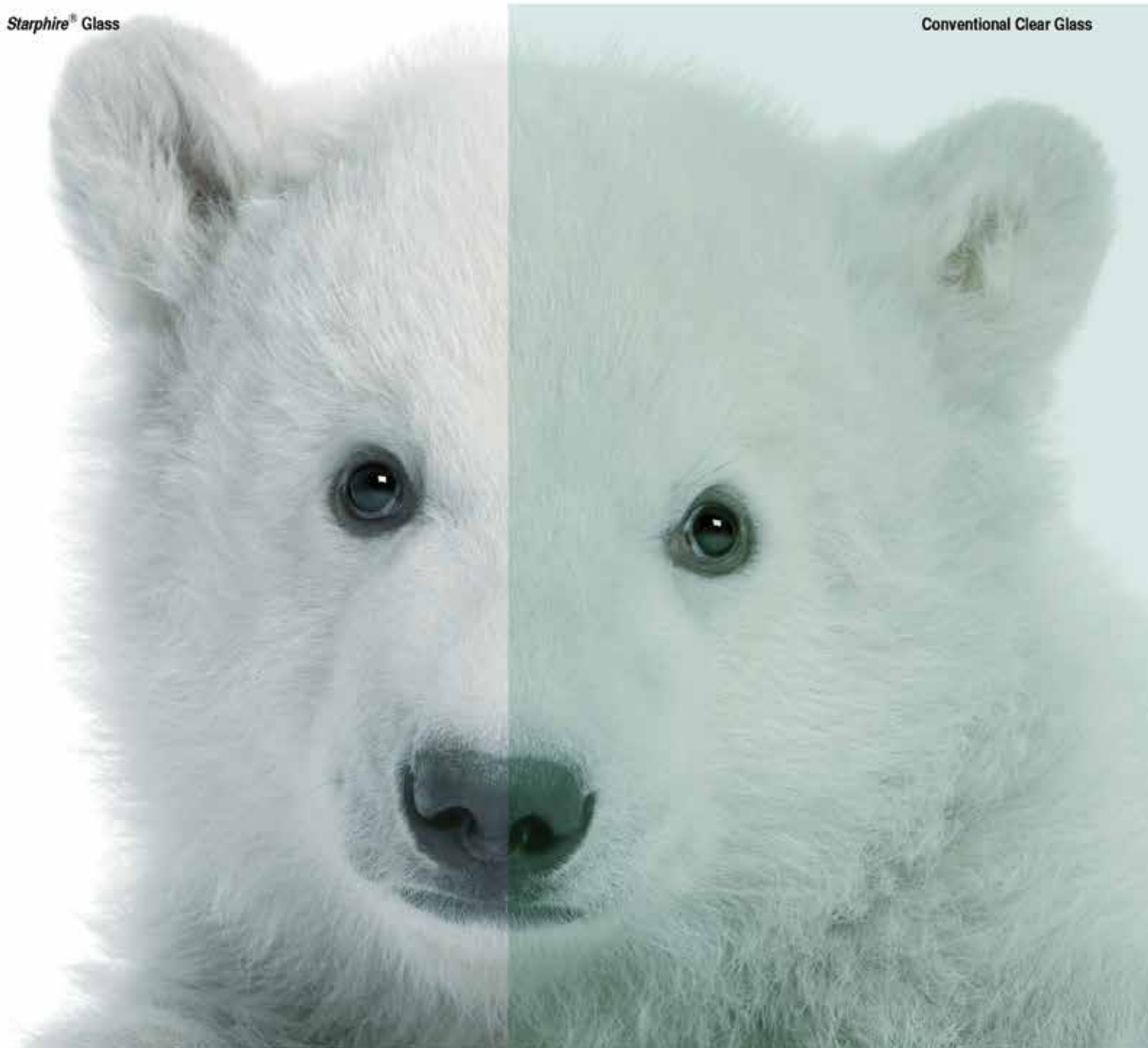
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AGGA Technical Sub-Committee Update

> Jamie Rice – Chair

Glass Industry Handbook

The Technical Sub-Committee has been advised that a manual showing working examples and explanations on how to interpret and apply AS/NZ 1288 will be a more useful tool for industry than a comprehensive guidebook, so the TSC will now look to progress the handbook along these lines.

Standards Committee BD-007

In July 2016, the latest draft of AS/NZS 2208,

which incorporated the recent updates from the committee, was distributed to the members of BD-007. Technical objections were received and due to the length of the project (nine years), it was cancelled by Standards Australia with immediate effect.

As AS/NZS 2208 is now officially categorised as an Aged Standard, the committee was asked to vote on whether the Standard should be reconfirmed without change, withdrawn, made obsolete or revised. To

provide a degree of certainty to the industry, AGGA supported reconfirming AS/NZS 2208 without change. Standards Australia has now confirmed this decision. AGGA will submit a project proposal for the revision of AS/NZS 2208 early in 2017.

The TSC meets regularly to review issues and progress various agenda items.

If you require advice or information on a relevant issue requiring their attention, email the AGGA on agga@agga.asn.au

IGMA Sub-Committee Update

> Jamie Rice – Chair

After many years of hard work by the IGMA committee, IGMAP was launched at AusFenEx16 with a trade stand and a presentation provided by Viridian's Daniel Black.

This modest start was the first stage of ongoing IGMAP promotion. The IGMAP committee is working closely with One Small Step Collective to refine the IGMAP marketing strategy to maximise the promotion of both IGMAP and IGMA. In addition to traditional

marketing activities, social media platforms are also being investigated

The search for a IGMAP Administrator continues. The position will be advertised again early in 2017.

IGMA will be putting even more effort in 2017 to providing IGU Installation Training to its members and their customers. The committee is investigating ways to better assist members in becoming AS/NZS 4666 certified.

IGMA participated in an AGGA/VCA seminar on high-performance windows in October. This included a presentation on IGMAP certification.

IGMA meets regularly to review issues and progress various agenda items.

If you require advice or information on a relevant issue requiring their attention, email the AGGA on agga@agga.asn.au

Diamut Launch SWave – A revolutionary New Cup Grinding Wheel for Double and Straight Line Edgers

SWave is the first cup grinding wheel that uses continuous sinusoidal cutting technology – advancing the grinding operation sensures, improving both quality and performance. This revolutionary technology ensures excellent cooling, better removal, and a notable reduction in chipping. The use of a special alloy, combined with a new diamond, increases the sharpness and the number of metres machined.

The resinoid grinding wheel is also new, featuring a twin diamond grain in a single wheel. Grinding wheels with right and left rotation have also been created, further enhancing machining efficiencies. The SWave is available with 150, 175 or 200mm diameter wheels.

For further information on SWave, please visit www.diamut.com or call Andrea Camilloni on 0433 807 752.



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AGGA to Heighten Awareness at Major Events in 2017

> Jane Docherty – AGGA Membership, Communications Manager

There is a general lack of understanding or awareness of the glazing industry, especially in the domestic market. AGGA has an ultimate aim for glazing to be recognised as a licenced trade on a national basis and the AGGA Accredited Company Program is an important step for our industry to develop and implement such an approach.

AGGA therefore is committed to increasing awareness by having a presence at the following conferences and trade shows through 2017.

Melbourne Home Show – Melbourne Exhibition Centre, 20–23 April 2017

With over 30,000 plus visitors over the four days, the potential reach is enormous, and with 15% of visitor audience from the trade (Architects, Builders, Designers, Specifiers) this will definitely get AGGA in front of the right people and let them know that we are here to assist and advise on all aspects of the glass and glazing industry.

www.melbourneshow.com.au

DesignBUILD – Sydney Convention Centre, 3–5 May 2017

For over three decades, DesignBUILD has supported Australia's architecture, building, construction and design communities, as the leading platform for manufacturers and suppliers to showcase new products and meet key industry buyers and specifiers. DesignBUILD is the only dedicated trade show to bring together architects, building professionals, contractors and designers together with manufacturers, suppliers and service providers who work across the residential and commercial industry sectors for three days of unrivalled networking and inspiration.

www.designbuildexpo.com.au

Australian Institute of Building Surveyors – AIBS QLD, Brisbane Grand Chancellor, Brisbane 1–3 June 2017

AIBS WA, Crown Perth, WA 26–27 October 2017

The Australian Institute of Building Surveyors (AIBS) was founded in Victoria in 1962 and has subsequently grown to incorporate representatives from each state and territory within Australia. AIBS is primarily committed to the professional development of its members through the development of clear educational pathways to ensure constant supply of well-educated building surveyors. Their core functions are: Professional Development, Advocacy and Member Services.

www.aibs.com.au

State Event Calendar 2017

QLD

- **General Meeting** – 17 March
Keperra Golf Club
- **Dorma Golf** – 17 March
Keperra Golf Club
- **National Glass Golf** – 16 June
North Lakes Golf Club
- **Glass & Glazing Industry Awards** –
14 July Hotel Grand Chancellor
- **AGM** – 13 September
G.James Glass & Aluminium
- **Golf** – (Sponsor G.James Glass &
Aluminium) 20 October
TBA Golf Club

NSW

- **NSW AGGA Executive Meeting**
– 9 February
- **Full Committee meetings** – held
bi-monthly on the first Tuesday
- **Awards' Night** – 2 June
Doltone House, Darling Island
on Sydney Harbour foreshore
- **AGM & Golf Day** – 27 October
Bankstown Golf Club
- **Regional AS1288 Training & Members' Information Sessions** February, March, April, May & June (at this stage)
Log onto the NSW AGGA website for training dates
- **Greater Sydney AS1288 Training** as above

TAS

- **General Meeting** – 24 February
Campbelltown Hotel and Bistro
- **AGGA Tasmania One Day Conference and Awards Night** – 24 March
Hobart Function and Conference Centre
Old Woolstore Hotel
- **General Meeting** – 2 June
Launceston
- **AGM/General Meeting** – 25 August
Hobart
- **General Meeting Golf Morning** –
20 October
Riverside Golf Club

VIC

- **Safety Training** – 8 February
Holmesglen
- **GGAV Meeting** – 8 February
Holmesglen
- **AS1288 Training** – 22 February
Albert Park Bowling Club
- **Barefoot Bowls** – 22 February
Albert Park Bowling Club
- **GGAV Meeting** – 8 March
Holmesglen
- **Advanced AS 1288 Course** –
22 March
CSR Clayton
- **GGAV Meeting** – 12 April
Holmesglen
- **GGAV Meeting** – 10 May
Holmesglen
- **GGAV Meeting** – 21 June
Holmesglen
- **AS 4666 Training** – 23 June
Holmesglen

- **GGAV Conference** – 7 July
Location TBA
- **GGAV Awards Night** – 7 July
Location TBA
- **GGAV Meeting** – 12 July
Holmesglen
- **GGAV Meeting** – 9 August
Holmesglen
- **GGAV Meeting** – 13 September
Holmesglen
- **AS4666 Training** 22 September
Training Location TBA

WA

- **AS 1288 Training** – 17 February
- **GWAWA Committee Meeting** – 7 March
- **Industry Night** – 7 March
- **GWAWA Committee Meeting** – 4 April
- **GWAWA Committee Meeting** – 9 May
- **GWAWA State Forum** – 12 May
- **GWAWA Industry Awards Night** – 24 June

SA

- **AS 1288 Advanced Training** –
17 February
- **General Meeting & AGM** – 15 March
North Adelaide Golf Club
- **Awards Night and Gala Dinner** – 19 May
Adelaide Pavilion

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AGGA VIC State Report

> Harry Pitaro, President

Victorian Master Glaziers Grow

Colm Clinton, Phil Menzel, Hayden Erble, James Charge, Terry Thomas.

To join this elite group, ring Patrick Gavaghan on 0401 555 656.

2017 Coming Events

The GGAV have planned a busy year for members with a full program which is outlined below. Additional training sessions will be conducted during the year and members advised by email.

February

Safety Training – 8 Feb – 1pm–3pm, location TBA

GGAV Meeting – 8 Feb – 3pm–6pm, Holmesglen Institute.

AS/NZ 1288 training – 22 Feb – 1pm–3pm, Albert Park Bowling Club.

Barefoot Bowls – 22 Feb – 3pm–6pm, Albert Park Bowling Club.

March

GGAV Meeting – 8 Mar – 3pm–6pm, Holmesglen Institute.

Advanced AS/NZ 1288 Course – 22 Mar – 9am–4.30pm, CSR Clayton.

April

GGAV Meeting – 12 Apr – 3pm–6pm, Holmesglen Institute.

May

GGAV Meeting – 10 May – 3pm–6pm, Holmesglen Institute.

June

GGAV Meeting – 14 Jun – 3pm–6pm, Holmesglen Institute.

AS 4666 Training – 16 Jun – location TBA.

July

GGAV Conference – 7 Jul – 9.30am–4pm, location TBA

GGAV Awards Night – 7 Jul – 7.30pm – 11.30pm, location TBA

GGAV Meeting – 12 Jul – 3pm–9pm, Holmesglen Institute

August

GGAV Meeting – 12 Aug – 3pm–6pm, Holmesglen Institute

AGGA Conference – 17–19 Aug South Australia

September

GGAV Meeting – 13 Sep – 3pm–6pm, Holmesglen Institute.

October

GGAV Meeting – 11 Oct – 3pm–6pm, Holmesglen Institute.

Annual General Meeting

Golf Day – 20 Oct – 11am–10pm, AGM & Golf Day.

November

GGAV Meeting – 15 Nov – 3pm–6pm, Holmesglen Institute.

Free Safety Audits

The association in conjunction with the Business Innovation Group AGGA Victoria have arranged for a free OHS consultation for members funded by WorkSafe VIC. What does this mean?

The member company receive up to five or 10 hours free consultation with an OHS consultant. The consultant will visit the business and produce 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 fewer than 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.

Members are entitled to receive 5 to 10 hours of free advice by a qualified OHS consultant.

How does this help my business?

It helps you to be compliant with WorkSafe requirements for your business.

It helps you to meet the requirements for the safety pillar of the Accredited Company Program.

Safety

Is listed as the number one priority in the GGAV Strategic Plan, and this program will assist members to create a safe workplace.

Sponsorship

Sponsorship opportunities are available for companies to showcase their business to members and support the association, contact Don Blanksby to discuss sponsorship opportunities.

How to get involved

Contact Don Blanksby at don@ggav.org.au

Log on to AGGA Facebook

Don't forget to log on to the AGGA Facebook page for the most up-to-date industry information. The site is AGGA's preferred social media platform and your first online reference for upcoming events, current activities and important industry news.

Members are also encouraged to Follow and Like the page to boost activity and grow the online network. The site is updated daily with regular posts and photographs.

Our site is continuing to generate more interest from members, with increased views and activity reported every month.

The page also offers regular Facebook features such as instant messaging.

Our monthly EDM for members is also a valuable resource. If you're currently not receiving it via email, contact the AGGA to subscribe or to update your contact details.

You can find the site at www.facebook.com/australianglassandglazingassociation, or a simple search for Australian Glass will get you there.



AGGA SA State Report

> Phillip Mauviel, President

2017 is shaping up to be an exciting year for the South Australian Glass Industry, with the continued roll-out of the Master Glazier and Accredited Company Programs, a sensational Gala Dinner and Awards Night planned and Adelaide will be host to the GA17 Conference! It is an exciting combination of business networking, skills development and some enjoyable social experiences!

Over the duration of 2017, the GGASA will be facilitating Master Glazier workshops. These workshops will step you through the application process and fast track your approval. Recently we have put through another three Master Glaziers, congratulations to John Poparogalar, Todd Hart and Brad Hoppo. We have another five applications under review, and as a local industry we are looking forward to seeing this number grow exponentially.

On 17 February the GGASA will be holding our first AS/NZ 1288 Advanced workshop, which will assist members to fulfil the new requirements of the Accredited Company Program and to also ensure that our knowledge of this important standard is always current. More will be scheduled in future months.

Our Gala Dinner and Industry Awards Night will be held on Friday 19 May at the Adelaide Pavillion on South Tce in the Parkview Room. Last year's event was well-attended with over 100 guests and was an exceptional night. This year will be no different! I look forward to seeing our members there and celebrating our industry's achievements.

Nominations are now open for the Glass Awards, so review your projects and get your nominations in now! Closing date is 20 March, and the categories are. Glass Person of the Year, Safety Award, Commercial over \$50,000, Commercial under \$50,000, Domestic over \$20,000 and Domestic under \$20,000.

The first General Meeting for 2017 and AGM is on Wednesday 15 March at 4pm at the North Adelaide Golf Club.

The annual national glass industry conference, GA17 will be held in Adelaide this year from 17-19 August. This is a great opportunity for local businesses to attend and experience what is happening in the broader industry. I encourage GGASA members to make the effort to come and experience this great event.

On a final note, I would like to give you the following food for thought. It's not just individuals who should take time to reflect and make resolutions for the year ahead. New Year's should also be resolution time for businesses.

Here are three resolutions that owners and managers of glazing businesses can initiate that could really make a difference to their bottom line and longevity.

1. Invest in your people

Having a skilled and well-trained workforce is critical to achieving profitability. If you invest in your employees, they will invest in you and deliver the best experience possible to your clients. As a result, your business will grow with loyal committed employees. The AGGA Master Glazier program is an essential tool in developing your people, rewarding skilled employees and creating loyalty and increased productivity.

2. Keep your people safe

Safety is a critical element in our industry. We work at times in dangerous environments with a product that can be dangerous. In light of recent injuries and fatalities in both the glazing and construction industry in general, 2017 should be the year to review your safety systems, procedures and training to ensure your team goes home every night and your business is protected. AGGA members have access to Will Walker, the AGGA Safety Coordinator, and the AGGA Safety System and Audit Tool is available free of charge to members.

3. Inspire your people

Everyone wants to be on a winning team! 2017 is the opportunity to ensure your business is positioned in 2017 to be seen as a quality operator, inspiring your team to do their best to uphold the ideals of your business. This leads to higher margins, increased productivity and customer loyalty. The redesigned AGGA Accredited Company Program perfectly positions your glazing business as an industry-leading operation that strives for high standards and demonstrates a clear commitment to training, safety, standards and service excellence.

So ask yourself, what is the vision for my business for 2017? Have I considered these points above, and are they a part of my plan?

On behalf of the GGASA Executive, we wish you a successful, profitable and safe 2017.

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AGGA WA State Report

> Peter den Boer, President

The market remains tight; competition is assertive in an endeavour to try and obtain a share of the depleting market. The outcome, sadly, is the discounting of our established market prices, the continued emergence of unqualified smaller players and a growing trend towards imported product.

Meetings

The Management Committee continues to work on the states' strategic initiatives, most aligned with AGGA's.

Key priority for the State Committee is the promotion of the Accredited Company and Master Glazier programs.

Social

Our AGM and Golf day was held on 21 October, with 145 registered players, followed by a dinner.

1st Place Winners sponsored by GWAWA –Caine Hayes, Damon Squires, Troy Johnson, John Parker (Walsh's Glass – Team 2).

Following the AGM, we welcome two new committee members –

- Geoff Leatt-Hayter – Aluminium Products
- Nick Guthrie – Alspec

We had a Xmas Sundowner on 25 November, at the Raffles Hotel – a great and well-attended event.

Four of our Life Members attended – L-R: Graham Spindler, Frits Vanirsen, Ian (Thommo) Thomson, Howard Brickhill.

Training – save these dates

- AS/NZ 1288 Advanced training available on 17 Feb 2017
- An Industry Night is planned for 17 March 2017
- An Industry Forum Day is in planning for 17 May 2017.

Accredited Company and Master Glazier programs

There has been interesting member response to the take-up of glaziers registering in the Master Glaziers program with 13 registered and another seven in the process of doing so. Take the opportunity to tap into the GWA sponsoring your registration fee.

Membership – New members

- Alumatrix



> The Golf winners were Walshs Glass Team 2



> Graham Spindler, Frits Vanirsen, Ian (Thommo) Thomson, Howard Brickhill

AGGA Tasmania State Report

> John Gofton, President

In reflecting on 2016, I am proud of the successes achieved by AGGA Tasmania. We have supported our members through the first year of transition to the new nationally consistent Accredited Company Program, providing information and training workshops for the Master Glazier program and the AS/NZ 1288 portfolio. We have moved to align our name and branding with the National Association and some other State Associations who are also taking this step forward; represented our members at the National President's Forums and by responding to Government surveys in regard to skills availability and development; fostered a closer working relationship with the Minister for Building and Construction; and successfully ran the first Tasmanian State Conference to provide members and interested professionals with an insight into the key issues affecting the industry.

I look forward to embracing the challenges of 2017, during which time our members will need to have one person qualified in Advanced AS/NZ 1288 and 10% of glazing staff holding Certified or Master Glazier status. I am proud of the fact that Tasmania is the first state to meet the state Master Glazier target, but will continue to work with members to ensure maximum uptake of these important programs.

We are now finalising arrangements for the 2017 Tasmanian Conference and Awards night, which will be held on 24 March 2017. The Conference will again be held at the Hobart Function and Conference Centre, with the Awards night being held nearby at the Old Woolstore Hotel. Attendance at the conference will accrue CPD points for attendees. I encourage as many people as possible to access this development

opportunity – we have attracted a number of exciting speakers to discuss topics of interest to individuals in the glass and glazing industry as well as other related professionals such as architects and interior designers. We thank those sponsors from 2016 who have again sponsored the event in 2017, and welcome new sponsors who have recognised the opportunity that this type of event provides in Tasmania.

I am excited to see the nominations for the Tasmanian Awards night, which acknowledge and celebrate the achievements of our Industry. I look forward to taking our state winners to the National Awards in 2017, where the quality of work undertaken within our state will be recognised as being as good as any undertaken within Australia.



AGGA TASMANIA CONFERENCE

Hobart, 24 March 2017



The 2017 AGGA Tasmania Conference is again set to provide a stimulating forum for those interested in the glass and glazing industry in Tasmania. Invitations are open to all segments of the industry, including glazing professionals, architects, builders and interior designers. The line-up of thought provoking speakers will talk on topics including:

- The Autonomous House – glazing and energy efficiency
- Safety management in manufacturing and construction industries
- Internet for small business – practical approaches;
- Installation of windows
- Building contracts: what is fair and what is legal?
- Balustrades – Code requirements and best practice installation
- Architectural use of glass for wellbeing.

KEYNOTE SPEAKERS include

Dr Robert Vale – School of Architecture, Victoria University of Wellington. Robert is an internationally acclaimed energy efficiency expert. He will be using the Autonomous House project to discuss the importance of facade treatments, particularly glazing, in buildings that are energy self-sufficient, environmentally friendly, relatively easy to maintain, and have a traditional appearance.

Mark Di Botolo – Associate Director and Lead Facade Architect at BATESSMART. The use of glass in building and architecture celebrates light, reflects the environment and connects the inhabitant to nature – all important aspects for one's wellbeing. Mark will discuss the relationship between the architectural use of glass and wellbeing, and will share his experience on a selection of BATESSMART projects utilising glass, highlighting collaboration with glaziers and facade engineers.

ONE-ON-ONE ADVICE – AGGA SAFETY MANAGEMENT SYSTEM AND MASTER GLAZIER PROGRAM

Members will have an opportunity to book a time to discuss or seek help in applying for Master or Certified Glazier Status or implementing the AGGA Safety Management System within your business. These are both important elements in maintaining your future status as an AGGA Accredited Company. Register your interest on your registration form.

SPONSOR TRADE SHOW

During the breaks in the Conference sessions, attendees will have the opportunity to speak with suppliers who have sponsored the Conference. The Trade Show will again be hosted in the breakout area of the Hobart Function and Conference Centre, where attendees will enjoy quality catering with a breathtaking view of the Harbour.

AWARDS NIGHT

The Conference will conclude with the Annual AGGA Tasmania Awards Night, which will be held at the Old Woolstore Hotel. The evening will open with a Cocktail hour, sponsored by Overseas Glass Agencies, at 6.30pm in the Rose Gardens (weather permitting). Guests will then move to the Merino Room for a three-course dinner and Award presentations, sponsored by Viridian.

ATTENDANCE WILL ATTRACT CPD POINTS

REGISTER NOW

email [www.agga.org.au/states/
agga-tasmania-conference-2017](http://www.agga.org.au/states/agga-tasmania-conference-2017)



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AGGA NSW State Report

> Greg Storie, President

We held our Annual General Meeting on Friday 28 October 2016. The following personnel were elected to the Executive, and will represent our members for the next 12 months.

Deb Deeth – Greater Glass, Vic Moen – Landson Glass, Jason Hedges – Decoglaze, Ted O'Berg – Sydney Glass, Michael Pascoe – G.James, Mark Davis – Viridian, David Burley – Glass 24/7, Mark Nicholls – TAFE, Adrian Grocott – Express Glass, Joe Finn – Bent & Curved Glass, Greg Storie – GSW Solutions.

The first full meeting of the above group was held on Tuesday 22 November 2016, and we conducted our elections for the positions of President and Vice President. I am honoured to be elected President for another term, and Adrian Grocott was again elected Vice President. The Executive also confirmed the continuance of Tony Pearsall as our Secretary. I look forward to working alongside this excellent group of committed people.

I would like to thank the Executive for again offering their vast experience and time to ensure we continue to provide a constant service to our members.

The next scheduled meeting of the Executive is set for February 2017.

Awards Night

With the continued success of this event and the increased growth of patronage and Sponsors' support, the organising

of this event has now reached the stage that we have acquired the services of an Event Management company to assist with our plans for the 2017 event. The night of celebration is confirmed for 2 June 2017 to be held at Doltone House, Darling Island on Sydney Harbour foreshore.

Members Meeting

We held a Members meeting and mini Trade show in conjunction with our AGM/Golf Day which was attended by around 70 people. We had representatives from SafeWork NSW, SWISI TAFE, Nupress Industries, MFGS and Kaizen Executive, who all showed off their various products and services. The following companies supported the day by way of Sponsorship: Sydney Glass, Bent & Curved Glass, Viridian, Landson Glass, G.James, Hogan Wholesalers, Watson's Glass, MFGS and GSW Solutions. I would like to thank all of these companies for their ongoing support.

We are in the process of organising dates for our Regional Tours which will commence in February 2017. Areas that will be visited include: Central West, Hunter, South Coast, and ACT/Riverina. The agenda will include both AS/NZ 1288 Advanced and Intermediate training sessions and presentations on the Master Glazier and Accredited Company programs.

Annual Golf Day

This event again reflected the importance of our members, when we had 80 players register and compete for a range of prizes

and bragging rights. No doubt the ultimate prize was the overall Individual winner; however each team trained hard to try and become the overall winning team.

The results are as follows:

Golf Day Winners

Irish 4 Ball – Penrose Group: Jim Stevens, Clint Rogers, Nigel and Michael Penrose. R/Up – Team Moen: Vic Moen, Greg Storie, Dean Minter and Graham Dummett.

Individual 'A Grade' – Gil Kelly (Hogans) 34 pts. R/Up – Michael Finn 33pts.

Individual 'B Grade' – Clint Rogers (Fethers) 44 pts. R/Up – Brian Thomson (Empire Glass).

NAGA Cup – Steven Togher, Ted O'Berg, David and Zac Esler.

Longest Drive – Scott Bloomer (Viridian).

Nearest the Pins – 3rd Hole – Jim Stevens 2.4m, 7th Hole – Jim Stevens 32cm, 11th Hole – Vic Moen 1.63m, 13th Hole – Dereck Duguid 7m, 15th Hole – Michael Pascoe 3.3m.

Master Glazier Training

We held a Master Glazier 'sign up' training session during the morning of our Golf Day. I would like to thank Patrick Gavaghan for his attendance, and wonderful presentation although feeling a little unwell. We had nine attendees, and all agreed to submit their applications to become Master Glaziers.



AGGA QLD State Report

> Bill Leavey, President

2016 came and went very quickly and our members were generally very busy towards the end of the year. We are all looking forward to a busy and profitable 2017.

Our final committee meeting for the year was a Christmas lunch meeting at the Hamilton Hotel. This was to thank the committee members for giving their time and expertise to the successful running of the AGGA Queensland.

Our safety spectacular was a huge success with 80 people attending and 10 trade shows demonstrating a wide range of safety equipment. We will be holding a similar mini conference again in 2017, hopefully once again with the help of the Queensland Government WH&S department.

Our complaints and disputes committee had a busy year, and was very pleased to receive an excellent letter from a consumer thanking the committee for resolving a difficult complaint. This shows the need to continue with this committee.

Our final golf day, the Viridian Trophy, was held at Victoria Park Golf Club. The winners were Sean Leavey, Peter Kelly, Ian Simeon and Frank Maxwell representing True Blue Glass. Many thanks to our major sponsor Viridian, who have advised that they will not be sponsoring future golf days. Also thanks to our hole sponsors: 1st Glass, G.James Glass, Scratchless Glass, Auto Ingress and Suburban Glass. We have decided to continue with three golf days again in 2017 and

we thank G.James Glass who have taken up the sponsorship from Viridian.

Our major function of the year is our Glass & Glazing Industry Awards, which will be held on 14 July 2017. I am very pleased to announce that G.James Glass will be our Platinum sponsor in 2017 to celebrate 100 years in business. We also have two Gold sponsors, Landson Glass and OGA, and one Silver sponsor, AGC Asia Pacific, so far.

We are working hard to obtain our target of Master Glaziers and Accredited Companies to ensure these excellent AGGA programs succeed.

I do hope you all had a very Merry Christmas, and are enjoying a happy and safe New Year.

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