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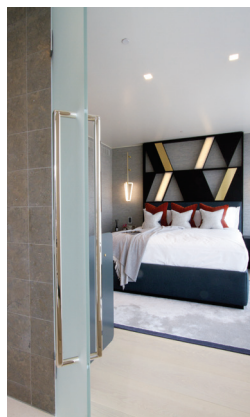
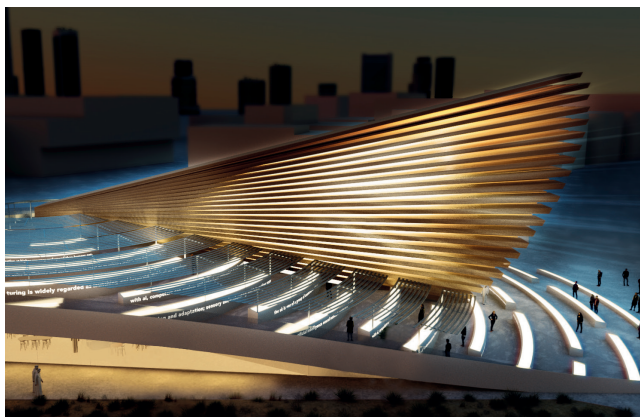
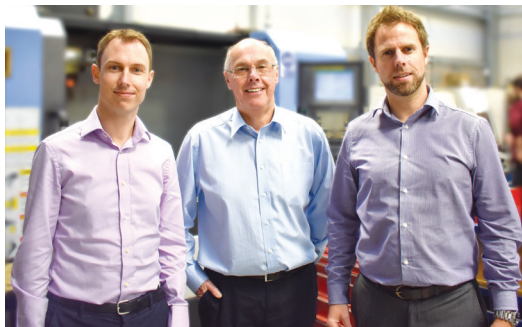
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The Engine Shed which was awarded the top CIAT gong for 2018

The Engine Shed is Scotland's dedicated building conservation centre based in Stirling. The judges were unanimous, citing its excellent conservation practice demonstrated through the use of traditional materials, technology and sustainability to demonstrate the adaption and reuse of an historic building for a new life.

The Alan King Award for Excellence in Architectural Technology (for projects valued £750k or under) was awarded to John Coward Architects Ltd for its work on Old Gale Farm, Ambleside, a 17th Century farmhouse renovated and modernised as a peaceful retreat for a retired couple. Two student awards were also announced.

To view all the awards visit <https://ciat.org.uk/awards.html>. Films can also be found on the CIAT YouTube channel, [youtube.com/ciatechnologist](https://www.youtube.com/ciatechnologist). The 2019 Awards open in the New Year.



CONSERVATION DOMINATES ARCHITECTURAL TECHNOLOGIST AWARDS

The Chartered Institute of Architectural Technologists (CIAT) announced the winners for its annual Architectural Technology Awards at a recent event, which this year included the inaugural category for the Chartered Architectural Technologist of the Year.

Dan Rossiter MCIAT, scooped this accolade achieving recognition for his role at BRE as senior BIM communicator, his personal energy and his award-winning blog.

The Award for Excellence in Architectural Technology went to The Engine Shed, Historic Environment Scotland/Reiach & Hall Architects.

APERIO 2018 TRAINING COURSE DATES ANNOUNCED



ASSA ABLOY Access Control has released the latest dates for its free Aperio® technical training course, which provides an insight into the benefits of the wireless locking technology.

The course covers its intelligent hardware features, product specifications, operating processes, best installation practice and other technological advantages.

Attendees are also given a demonstration of the system's wireless hub configuration, how to install, configure and commission Aperio® devices. The course then finishes with a meeting focused on troubleshooting and a question and answers session.

The course is held at the ASSA ABLOY Academy in Willenhall on 11 December.

It is suitable for access control manufacturers, installers, and engineers.

Larger companies may be able to specify a separate training date.

To book a place on the training course, contact Claire Jones at claire.jones@assaabloy.com

MARRIOTT CHECKS DORMAKABA INTO NEW HOTEL



dormakaba has recently supplied a collection of hotel locks together with a pitch free pivoting system for toughened glass doors to the brand new Marriott hotel, AC Hotel Belfast.

With panoramic views across the River Lagan, towards the Titanic Quarter, the new AC Hotel Belfast has officially opened its doors and is the first Marriott hotel in Northern Ireland – joining an extensive portfolio of more than 6,500 properties worldwide. The £25m-pound investment, by owners Belfast Harbour, is set to target both leisure and corporate business travellers, with the facilities including a signature restaurant and bar, as well as a meeting space.

Having previously supplied its products to the AC Hotel by Marriott in Birmingham, dormakaba was contracted for access solutions to the new luxury Belfast property. The scope of works included the supply of 226 Saflok Quantum RFID locks as well as 185 sets of BEYOND pivoting systems.

With 188 guest bedrooms, the hotel is among the city's largest and as such requires locks which can provide enhanced security. dormakaba's award winning Saflok Quantum RFID locks in chrome and satin finish provided the solution.

The two-piece modular design features Bluetooth Low Energy (BLE), providing a flexible alternative to keycards as guests can use their mobile device as a key. Guests can check in and out online with their mobile device and even grant or remove room access to other guests via the app.

Additionally, the advanced technology features tracking mortise for door ajar reporting which allows hoteliers to easily review lock status reports and resolve any issues quickly and efficiently.

dormakaba also specified its patented BEYOND system. This design features a pivot point positioned in the middle of the glass axle and close to the glass edge, delivering optimum safety by preventing the risk of trapped fingers.

The new Marriott AC Hotel in Belfast which features dormakaba access products



AIRPORT HOTEL AND WELSH GOVERNMENT OPEN DOORS TO GEZE

GEZE UK has helped a new airport hotel prepare for 'take off' with a range of products.

The Novotel London Heathrow Airport T1 T2 and T3 Hotel has installed sets of GEZE Manual Sliding Wall (MSW) systems – consisting of a total of nine glazed panels with two pass doors. The products incorporate natural patterns from the air, sky and clouds and present a showpiece room divider between bar and restaurant areas that allows the floorspace to be opened out or separated for different uses, such as private functions or breakfast service.

GEZE UK worked on the project with owner and developer Nine Group, London-based Konzept Interior Design and architectural ironmongers Franchi Plc of Kent, from its early stages of development. GEZE had worked with the developer on a previous installation at Novotel Canary Wharf.

GEZE products were also used for the refurbishment of Welsh Government offices in Carmarthen.

Picton Terrace, a three-storey 1960s block and a five-storey 1970s building with connecting link, has been refurbished inside and out to provide a flexible working environment that reflects the rural communities it serves.

An entrance was supplied and fitted by GEZE UK – a TSA 325 NT automatic revolving door – fully glazed with slim aluminium profiles with rounded edges.

From the reception area, a TSA 160 NT – one of four fitted on the premises – operates a door which links the public area to corridors that lead to work areas.

Throughout the complex, more than 100 TS 2000 NV door closers were fitted.

GEZE UK worked with Cardiff-based Rio Architects which specified GEZE products for the external doors while the internal closers and operators were specified by architectural ironmongers PWIDF.

Read a profile of GEZE on p24.





Rosina (left) and Sean Connolly (above)

DRINK TO THAT: DUBAI AND LAS VEGAS BARS SCOOP DESIGN AWARDS

The 10th Anniversary of the Restaurant & Bar Design Awards ceremony, took place in October with this year's winners announced as Sean Connolly a restaurant in Dubai, designed by Alexander & Co, and Rosina, a bar in Las Vegas, designed by Simeone Deary Design Group as the Overall winners of the 2018 awards.

Another 36 category winners (including Best UK Winners) were revealed at the winner's ceremony, which took place at London's King's Cross.

The ceremony was attended by over 600 of the UK and world's best designers, and their clients responsible for the design of the most innovative food and beverage spaces.



EDUCATION AND HEALTHCARE BOSSES REVEAL WORRIES OVER FIRE SAFETY MEASURES

A new report by Allegion UK has identified worrying issues among key leaders in public sector areas.

The report surveyed more than 500 decision makers in education and healthcare and revealed that nearly half of all respondents did not strongly trust the existing fire safety measures in their workplace.

More than one out of five respondents believe their fire safety procedures to be compromised.

In healthcare, respondents who feel fire safety measures may be compromised, state that this is due to lack of fire safety product knowledge, under-training and budgetary constraints.

Of all healthcare respondents, 65% said they have also seen fire doors propped open, which is one of the most common breaches of fire safety regulations.

In education facilities, those who say they believe their fire safety measures to be compromised, state under-training, under-funding and lack of appropriate solutions knowledge as the main reasons why.

Of all education respondents, over 70% have witnessed fire doors being propped open. Almost one-fifth of respondents across both education and healthcare also said they

have experienced a fire safety incident in the last three years.

James Keith, end user solution strategy manager at Allegion UK, comments: "As an industry, we're failing on fire safety standards due to insufficient product knowledge and general complacency. Of course, after the Grenfell tragedy and inquiry, there are a lot of question marks around fire safety regulations.

"We're urging facility managers to review their current fire safety measures, including their exits, doors and evacuation plans, to improve the safety of those who enter such premises.

This research supports similar findings from the Fire Door Inspection Scheme which asked its certified inspectors to name the most common problems they encounter which included issues with door closers, intumescent seals, badly fitted hinges and excessive gaps between door leaf and frame.

AIJ PEOPLE

■ Sales in Scotland for GEZE

GEZE UK has strengthened its automatic door systems team with the recent appointment of John Clark, who joins the manufacturer as area sales manager, covering Scotland.

Supporting GEZE UK's planned growth north of the border, John will focus on developing customer relationships, analysing and proposing technical solutions from the company's automatic door range and providing first-level contact for incoming enquiries.





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GAI TALK ANGIE CORKHILL

// The skills shortages in construction are reaching epic proportions, particularly in the UK.



It's a problem we've known was coming for many years. The construction industry and its supply chain shed over 140,000 jobs in the 2008 recession, and despite recruitment attempts many businesses are still seriously short-staffed.

In addition, the demographic time-bomb is working against us: an accelerating rate of retirement, self-employment on the rise and the industry struggling to attract and retain young workers means the number of younger professionals in construction has fallen to a third of the level it was in 2005.

Unsurprisingly then, recent research indicated that one in 20 construction companies believe their workforce doesn't have the necessary skills for now, or the future.

What I find most worrying is the lack of consideration being given to learning and development. It's reported to be impacting all tiers of construction professionals from entry level up to senior management, with little more than half of construction employers providing training – which is predominantly in health and safety.

That's why the words of the GAI President, David Stacey, struck such a chord at our Education Awards last month.

As he told the business leaders in the room: "We owe it to the next generation to enrol the next cohort of students. We are the first ones to complain about the skills shortage, the problems recruiting and retaining the best talent in this competitive industry. Well, there's something we can do about that."

David is quite right. Enrolment for the GAI's education programme re-opened in September, and there is still time to register and to get your best employees ready for their exams next summer.

The GAI education syllabus is the only recognised programme in the world that leads to a qualification in architectural ironmongery to British and European standards. Enrolment for the 2019 cohort closes at the end of this December.

So let's make that the last job we do this month before we head off for a well-deserved holiday.

I wish you well for this special time with friends and family, and look forward to seeing you next year.

Angie Corkhill
Director

EXCITEMENT BUILDS FOR SPECIFICATION AWARDS



DAVID HOLT

The winners of the 2018/19 GAI Specification Awards will be revealed on the 21 March 2019 at the OXO2 in the OXO Tower building in London.

The 2018/19 awards will feature the new category – 'best new product: design and innovation'. This award has been created to showcase new ironmongery products, as well as the advancing technologies used within the door and window hardware industry.

In addition to this new award, projects have been nominated for the following

categories: residential; commercial and hospitality buildings; public health and education buildings' and international projects outside the UK and Ireland.

For each category there will be a winner, second and third places as well as two highly-commended. The judges will also decide on an overall 'winner of winners'; this accolade last went to Kings Gate, a residential project by architectural ironmongers izé and architect Lynch Architects.

www.gai.org.uk/SpecAwards2019

GAI GOES EAST

GAI president, David Stacey, GAI director, Angie Corkhill and IAI chair, Joanne Milne-Rowe, recently visited Shanghai as part of the annual presidency trip.

The Guild's education programme has continued to grow overseas, with 49% of learners based outside the UK in 2018. Hong Kong and China are among the top five most popular countries where students sat exams this year: seven exams took place in Shanghai, three in Beijing, two in Guangdong and one in Jiangsu.

The GAI education syllabus is the only internationally-recognised programme in the world that leads to a qualification in architectural ironmongery to British and European standards. Since 2015, there have been 26 learners in China

who have attained the Certificate in Architectural Hardware and six GAI Diploma holders.

As part of the trip, David, Angie and Jo also hosted a second GAI Education Awards to celebrate the achievements of the overseas learners who could not attend the Education Awards in London on 8 November.

NEW MEMBERS

Accepted Full members

C&W Berry Ltd – UK

Accepted Affiliate members

ECA Supplies (COVENTRY) Ltd – UK

Leadbeater Joinery Ltd – UK

Etna Hardware (OPC) Pvt Ltd – India

■ GAI JOINS POST-HACKITT REVIEW WORKING GROUP

The process for specifying, supplying, installing and maintaining construction products, including architectural ironmongery, is being reviewed as part of Dame Judith Hackitt's 'Building a Safer Future' programme.

Following the Grenfell Tower disaster and the subsequent Hackitt Review, an industry response group was set up in July 2017 to take responsibility for implementing the recommendations of that review.

Its work is now being continued by the Steering Group on Competences for Building a Safer Future, and by 12 sub-groups looking at specialist areas of construction practice and consisting of representatives from installers, fire, housing, construction and professional organisations from within the industry.

Douglas Masterson, technical manager of the GAI, is part of Working Group 12 which is focussing on construction products. Douglas will be using his expertise to make recommendations on the final frameworks for product specification.

Douglas said: "As a Group, we will be promoting best practice methods of specifying architectural ironmongery to ensure that going forward, everyone in the construction supply chain understands the important role door hardware plays in keeping building users safe."

Led by the Construction Product Association (CPA), Working Group 12 is made up of trade associations, manufacturers, and representatives from the Ministry of Housing, Communities and Local Government (MHCLG).

■ AGM DATES FOR THE CALENDAR

The GAI and the IAI have announced the dates for the 2019 AGMs.

THE IAI AGM will be held on 22-24 February 2019 at the Park Royal Hotel in Warrington. The AGM will

also include the IAI Awards, a visit to UL's testing facilities in Winwick and multiple CPD sessions.

THE GAI AGM will be held on 28-30 June 2019 at the Oxford Spire Hotel in Oxford.

■ NEW CPD FOCUSES ON IRONMONGERY FOR SPECIALIST APPLICATIONS

Specifiers, architects and architectural ironmongers can now get a new CPD seminar focussing on how accessibility can be improved using specialist door hardware.

The GAI has released the new RIBA-approved seminar for delivery exclusively by GAI members across the country. The CPD, entitled 'Ironmongery for Specialist Applications', will help architectural ironmongers to advise on the appropriate products for buildings used by a wide range of people with disabilities, including those with dementia or visual impairment.

It also gives further information on accessibility standards and legislation in the UK and Ireland, and how this is applied using specific types of hardware in buildings such as care homes, secure units, hospitals and schools.

As the training is RIBA-approved, architects will receive double learning points for attending a presentation of this CPD.

For further information contact the GAI's technical manager, Douglas Masterson on technical@gai.org.uk

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OPINION • PAUL REES

I recently read with great interest and some amusement, an article in an architectural magazine about the housing secretary James Brokenshire's speech at the Stirling Prize party.

According to the article, he told those present that architects "are the guardians of quality" and "what I know is we need more of your expertise involved in how we build and create communities, not less."

Upon first reading it sounds extremely positive and supportive of my industry. However, I immediately recalled the events of one on-going enquiry at our office.

We were first approached in October 2017 by joint landowners who were seeking planning permission for a town centre development. They had little experience as developers, so I described the various activities required to properly execute the project and design a scheme maximising our chances of securing such permission. We heard nothing for several weeks when I discovered they'd appointed another 'architect'.

Skip forward nearly a year and they inform us they're not having much success with the planners and they'd like to appoint us. After reviewing their latest information it's obvious why.

Here's the reason why I found the comments by the housing secretary amusing. Having looked through the approved planning drawings, I immediately note it can't be built as illustrated. Among the plentiful reasons: the roof line is shown at three substantially different heights on three different elevations; there is only one brick course between the window heads and the finished floor levels above; and internal floor and external ground

levels which are common on plan are several brick courses apart on the elevations.

I don't expect planning departments to comment on the buildability of an application, but surely they should be able to review drawings and recognise discrepancies which impact upon the building design. All of the points noted are fundamental design issues which should be easily identifiable to a competent, qualified planning officer. How therefore, has this design been approved?

A significant amount of time will need to be spent clarifying what exactly the authority has approved, to progress the project. Time which is unnecessary had it not only been correctly designed in the first place, but also reviewed correctly and queried by the planning department, and refused if necessary. Without the clarification, the applicant risks enforcement action from the planning department if the construction doesn't meet their expectations. This of course is not understood by the landowners, who believe they have permission to construct their building.

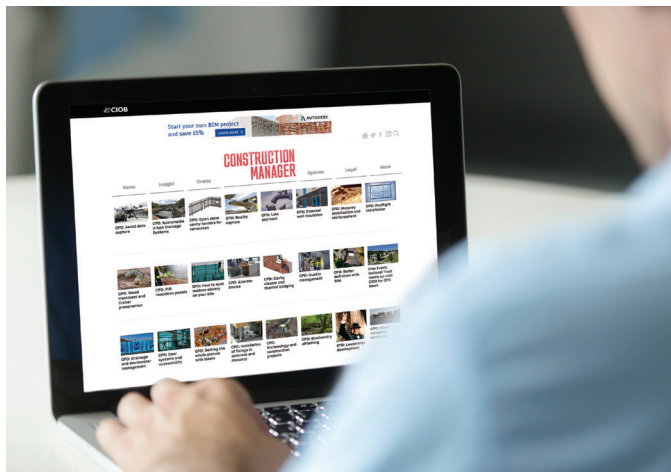
So while I congratulate Mr Brokenshire for championing the cause and involvement of architects on residential (and hopefully non-residential) development projects, I must ask what is being done to inform or educate the applicants and developers, who continuously appoint unqualified or inexperienced designers? and how do you address the failings of a planning system that cannot identify basic design errors that will lead to confusion during construction, uncertainty at completion and which in turn, does little to support the communities they are meant to? ■

AN ARCHITECT TALKS



Paul Rees despairs at 'buildability' issues

// How do you address the failings of a planning system that cannot identify basic design errors that lead to confusion during construction?"



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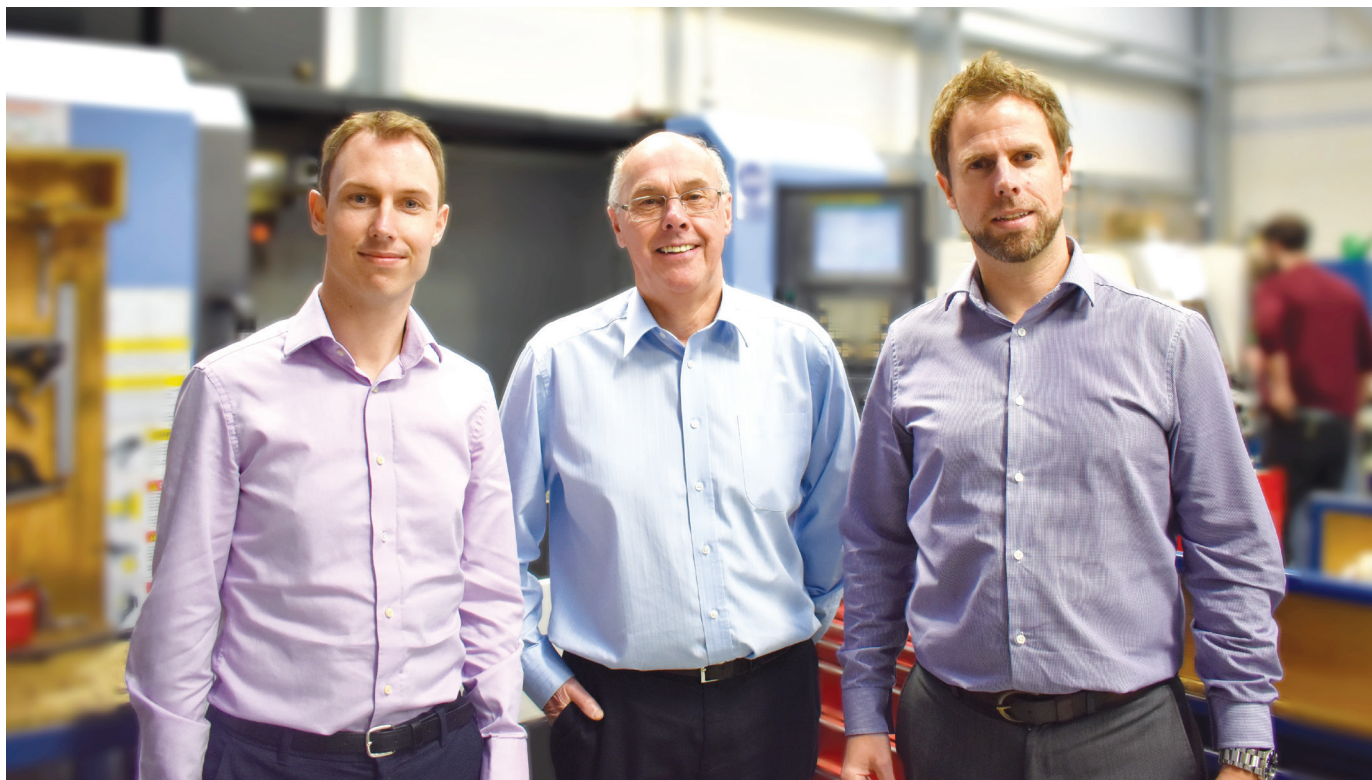
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CROFT ORIGINAL

Croft Architectural Hardware celebrated its 150th anniversary this year. The family-run firm has gone from humble origins to supplying royal palaces internationally. Here its directors, Chris Clifford, managing director, Paul Clifford, commercial director and Nick Clifford, production director talk about the business's success

150 years of a family-run business is an incredible success story. What do you attribute this to?

Chris: We believe that one of the hallmarks of success in an ever-changing environment, is our continued passion for what we do. Our strategy is simple: being a reputable, trusted company who manufacture the finest quality hardware.

"There is also certainly a definitive drive which comes from being part of a family-owned company. There are benefits of working with family members who are like-minded, can bounce ideas and share vision – you have the same goals. There's a determination to continually design and manufacture new and innovative hardware and an eagerness to constantly take the company to the next level, we're invested in ensuring the company will succeed.

"We also pride ourselves on building long lasting relationships with our clients, who we thank for supporting true British manufacturing.

Of course central to all this are our employees; for us being part of the right team is crucial and I'm not just talking about family. All the team members at Croft, past and present who have embodied our company vision, have played a crucial role in the longevity of the company.

From a base in Willenhall your products end up in really high profile destinations from Buckingham Palace to Al Salam in Kuwait. How?

Paul: As the manufacturer we don't always get to know where our products will end up, so it's rewarding when we do have this information provided. We genuinely care about the products and services we supply and have a real enthusiasm for the projects we work on – The Kuwait Palace being a great example of what can be achieved.

"We were approached with two very old photographs of the Al Salam palace doors and were asked to

recreate very elaborate and intricate door furniture. We were proud to have been part of producing custom hardware for this project.

Nick: We've invested in the right software, machinery and staff to have the flexibility to work on custom projects such as these. Our in-house projects team lays out the schedules and meets daily to oversee the workflow. We introduced a night shift a few years ago to ensure we have the capacity.

"Our primary focus has always been on the product and ensuring we are manufacturing our hardware to the very best of our abilities. Using a blend of traditional handcrafted techniques, whilst constantly introducing the latest machinery and technology. This will not change. With the acquisition of The Quality Lock Company in 2013, we've added another niche to our offering.

Chris: However, even with a heritage spanning all these years, it's only really been in recent years that perceptions of our capabilities and offering has changed. As we have continued to grow so has awareness of our performance, reliability and of the Croft brand.

Paul: To celebrate our 150th year, we've been extremely busy showcasing our capabilities for custom work and also our appetite for contemporary designs. We launched our Elements Collection of door fittings, followed by the Décor Collection of intricate rim locks in March. New mortice knobs have become welcome additions to our range and we're about to launch our new 'Hammered Series' to the portfolio, followed by a new flush pull range early next year.

What are you currently finding challenging in the industry and how are you tackling it?

Chris: Of course, there are challenges faced as a high-end manufacturer. These are uncertain times as we are

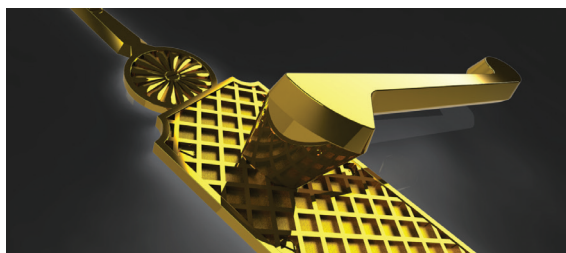
// It's been 150 years since my great grandfather Reuben Clifford set up business as R. Clifford and Sons in Willenhall, where the Croft factory still resides today. Successive generations of our family have since designed and manufactured architectural hardware for the industry."

Chris Clifford

in the lead up to Brexit. But for us, we remain on plan and are investing in the right areas of the company. Again it's simple: we manufacture the highest quality hardware so investing in the machinery, software, the right team is key. We have recently grown our sales, marketing and product design teams.

Investment in skills is as important as the investment in technology or marketing budget. Our skilled workforce is incredibly important to us. Due to the nature of us using a mix of

Croft hardware is manufactured in the UK for worldwide use including the back plate (bottom) 'made for Al Salam Palace in Kuwait



A family affair: Reuben Clifford and his wife Sarah (above) and opposite page, Nick, Chris and Paul Clifford

modern and traditional techniques, we recognised that we needed to invest in the next generation of our skilled workers within the factory, craftsmen, artisans and engineers.

"It's a never-ending journey and we have grown good relationships with local colleges. Around 10 per cent of our workforce joined us as apprentices.

"We also listen to our customers so we understand the challenges they face. The pace of the industry means that we're now continually reviewing our offering. We work hard to ensure we deliver on our promises, 97% of orders are delivered ahead of the quoted time.

Nick: It goes without saying that in order to manufacture quality items, you have to have the right quality processes in place. We have a very structured and proven quality system in place which the whole factory have to buy into. Our returns rate was just 0.6% for 2017. A figure we are proud of yet are still working to better.

What does the future Croft look like? What is the plan for the next 150 years?

Chris: We feel our future is very promising, with a strong focus on being at the forefront when bringing new styles and designs to market.

We want to invest in our relationship with our industry and our customers. We will continue to listen them, to provide the best service, innovative products and work with them in order to bring to market the best products. ■



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CENTRE FORWARD

Centre Point has undergone a radical reinvention complete with bespoke hardware. **Dean Murphy** reports on the new life of the London landmark



The brutalist Centre Point starts a new chapter in its varied life as apartments

Love it or loathe it, Centre Point is among central London's most prominent landmarks. For three years the brutalist former office block was under covers while Conran + Partners were turning it into a new high-end residential tower.

Architectural ironmongers, Allgood and renowned door and window fittings manufacturer, Samuel Heath joined forces to supply the hardware requirements for the redevelopment of one of the city's most iconic buildings.

Constructed as an office block in 1966 with 34 storeys, Centre Point stretches to 117m in height and has dominated the London skyline for many years. One of the Capital's original skyscrapers, its dazzling façade gets its sparkle from the Portland stone used in the manufacture of the concrete from

// In 1995, English Heritage gave Centre Point Grade II listed status, highlighting its novel construction method and recognising it as a major London landmark."

which its honeycombed structural exoskeleton is constructed.

The building has had a chequered history, standing empty for some time when it was first built and being occupied by protesting students in 1974. It became the headquarters of the CBI from 1980 until 2010.

In 1995, English Heritage gave Centre Point Grade II listed status, highlighting its novel construction method and recognising it as a major London landmark.

In 2011, Centre Point was acquired by property investment and development company, Almacantar who embarked on its most ambitious project to date: a £350m venture aimed at re-establishing Centre Point as one of the Capital's foremost destinations by transforming the building and its immediate surroundings into a mixed-use venue comprising restaurants, retail outlets and 82 luxury apartments.

Modern heritage

Conran and Partners was appointed as the architectural team for Centre Point Tower and tasked with delivering Almacantar's vision to create hi-spec modern residential facilities whilst retaining the building's 1960s heritage.

The first floor features a swimming pool, along with a gym, steam room and sauna. The floor above will host a residents club, a catering kitchen, cinema room and spa.

Apartment prices start at £1.8m for one bedroom, £3.5m for two, and between £7m and £8.5m for a three bed. The £55m penthouse will boast views that look out through the light-up Centre Point sign from the master bedroom.

The development also includes 13 affordable rent homes designed

by MICA, located across the plaza in Centre Point House. A requirement from government, these cost a reported £6m to build, and were sold at a quarter of a million each to the local housing association.

Instrumental in producing this retro-contemporary feel was the visible hardware that would be used within the apartments as well as throughout the common areas.

Conran and Partners selected Samuel Heath to collaborate on the design and manufacture of the fittings, developing a suite of co-ordinating hardware which included handles for main entrance and interior doors, escutcheons, thumb turns and releases, pull handles, flush pulls, wardrobe pulls and shower door handles.

Samuel Heath's specification sales director, Rolando Guselli, explains. "Conran and Partners was looking for a manufacturer who could provide the complete design and manufacture service for the hardware required and invited us to work with them on this prestigious project. We then worked with Allgood to compile the remaining hardware required and develop and deliver the scheduling.

"Our experience in product design provided the architects with practical advice throughout the development process. Our ability to produce rapid prototypes and metal prototypes at key stages gave very tangible feedback at key stages, allowing the design team to appreciate how the products would look and feel before we committed to final production.

"The fact that the bespoke levers and handles would be designed and manufactured at our factory in Birmingham assured a swift response to any changes made to product specifications, ensuring >>>



Architectural hardware in the Centre Point apartments was supplied jointly from Samuel Heath and Allgood

CREDIT: LUKE HAYES (OPPOSITE BOTTOM AND CENTRE OVER PAGE)



// The proprietary ironmongery products used in the scheme draw their inspiration from the original spirit of Centre Point Tower.”



Dark tones were used in the centre of the building to contrast with the light in the living spaces (above)

Bespoke handles (left) were designed to reference the building's strong geometric patterns

efficient progress from design through to manufacture. The British provenance also resonated with Centre Point's origins.”

Visual cues for Centre Point interiors were taken from some of the building's original façade and finishes which favoured geometric patterns and monochromatic styling. This theme has been extended to common areas and apartment interiors.

The architects developed six apartment typologies, all designed to make the most of the views. En-suite bathrooms and corridors are clustered towards the centre and realised in dark tones so as not to distract from the centrepiece: windows that run along the length of living areas, bedrooms and, in some instances, bathrooms.

The design employs contrasting tonal palettes as a way of creating a journey from private to public. The dark palette across the internal spaces, is contrasted with brighter, lighter palettes to enhance the lightness of the habitable spaces and the feeling of being in the skyline. They have made generous use of both black stained and blonde limed oak timber throughout the scheme as well as natural stone and terrazzo.

The bespoke levers and handles were designed to complement this theme, referencing Centre Point's strong geometric patterns in an elegant manner whilst providing a

highly tactile cue to the luxurious feel of the apartments.

Tim Bowder-Ridger, senior partner at Conran and Partners, comments, “The proprietary ironmongery products used in the scheme draw their inspiration from the original spirit of Centre Point Tower, enhancing the sense of place, and are of an exceptionally high standard.”

Samuel Heath and Allgood worked very closely on the scheduling of the hardware for the project, with the ironmonger's skills and experience of large, complex projects coming to the fore.

One area in which the partnership was particularly beneficial was in enabling the security of the apartments' main entrance doors to meet PAS-24 requirements. The combination of products included Allgood's unique solenoid Redlock system, with the ironmonger's Quadaxial fittings used as the chassis to sit under the Samuel Heath door lever roses.

With a total ironmongery content in excess of £1m, Centre Point Residences is one of the largest projects to have been supplied by British companies. It underlines the value of architects working closely with manufacturers and ironmongers at the early stages of a project.

Just as importantly, Centre Point Residences is a showcase for the very best in British designed and manufactured hardware. ■

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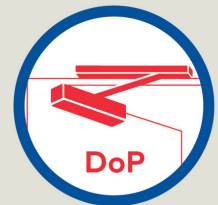
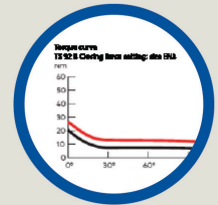
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Pride and joy: the class of 2018 GAI Diploma holders; and opposite, guest speaker Graeme Le Saux

SHINING SUCCESS

The industry celebrated its brightest and best at this year's GAI Education Awards

// I recommend the Diploma to everyone – it teaches you the things you simply won't just pick up from experience; it builds a career. I now go into meetings and I get respect"

The door and window hardware industry's rising stars were celebrated at the 39th annual Guild of Architectural Ironmongers' (GAI) Education Awards.

Held at the Royal Lancaster hotel in London on 8 November, the awards celebrate the architectural ironmongery professionals who have achieved a GAI qualification in the Certificate in Architectural Hardware or Diploma this year.

This year, exams were sat by 355 learners across all three stages of the GAI online training programme. Learners came from 23 different countries, with 51% of them based outside the UK. There has been a particularly high number of learners in the UAE, China, India, Hong Kong and South Africa.

Since 1980, the GAI Education Awards have included Gold, Silver and Bronze medal awards for the top students in the GAI Diploma and prize awards for the top three students in the Certificate in Architectural Hardware. The Pinnacle Award, sponsored by ASSA ABLOY, is also given to the student with the best aggregate results of the Certificate in Architectural Hardware and the Diploma programme.

Eryl Jones, managing director of ASSA ABLOY Security Solutions, presented this year's Pinnacle Award to Thennarasu Parimalam, former architectural sales consultant at dormakaba in Kuwait.

Thennarasu said: "I received the first prize for the GAI Certificate last year, but working on the Diploma is actually much tougher because there's so much more to learn about writing specifications. I'm so proud of this achievement now.

"I recommend the Diploma to everyone I talk to who's interested in working in the hardware industry – it teaches you the things you simply won't just pick up from experience; it builds a career. I now go into meetings with consultants and contractors and I get their respect, even though I'm younger than them, because I have this qualification. It's well recognised in Kuwait, and it's everything I need for my future in this industry."

The winners and newly qualified Diploma holders were presented with their awards by David Stacey, president of the GAI, and the event's keynote speaker and ex-England international football player, Graeme Le Saux. »»

Main picture: the Pinnacle Award winner Thennarasu Parimalam; below: Certificate second place winner, Dan Savage of HOPPE (UK) Ltd flanked by Graeme Le Saux and GAI president David Stacey

// It's a difficult time within the construction industry...with so many damning criticisms, Guild and Institute members can hold our heads up high and say 'no, we're not like that, we don't take shortcuts'"



David Stacey said: "It's a difficult time within the construction industry, in the light of Grenfell, the Hackitt Review and high-profile construction failures. With so many damning criticisms of the professionalism of designers, contractors, product manufacturers and suppliers, installers, inspectors and every part of the construction supply chain, the Guild and Institute members can at least today hold our heads up high and say: 'no, we're not like that. We don't take shortcuts. We are genuinely committed to being the very best we can be'.

"The new diploma holders and award winners, are part of a growing community of excellence spread

around the world. Over almost four decades we have celebrated more than two and a half thousand diploma holders. The knowledge and qualification is transferrable internationally, and recognised globally. The GAI education syllabus is the only recognised programme in the world that leads to a qualification in architectural ironmongery to British and European standards."

The Certificate in Architectural Hardware is particularly useful for those working in warehouse and trade counter roles, procurement, scheduling and estimating, customer service, technical support, sales and administration. Comprised of two stages with 24 online education



Bronze Diploma winner Chris Grimshaw from Allgood; below left Certificate third place winner, Bala Vignesh, first place Certificate winner, Jessa Comia and Diploma silver medallist Hanish Arora

modules, the Certificate covers the product knowledge a practising architectural ironmonger is required to know. The modules include helpful explanations, animations and video clips, all geared to engage learners in easily digestible chunks. There are also unlimited self-tests.

Following completion of the Certificate in Architectural Hardware, students can progress to the GAI Diploma. The Diploma builds on product knowledge and enables

// The GAI education syllabus is the only recognised programme in the world that leads to a qualification in architectural ironmongery to British and European standards"

the writing of accurate hardware specifications and quotations. The qualification is particularly suited to those in customer service, contract management, scheduling and estimating, and sales. To become a full GAI member, a company must have at least one employee who has passed the GAI Diploma. ■

dormakaba sponsored the GAI Education Awards, and ASSA ABLOY sponsored the Pinnacle Award.

The full list of Education Awards winners in 2018 is:

THE PINNACLE AWARD:

Thennarasu Parimalam

THE GAI DIPLOMA:

Gold – Reina Tangilon-Bautista, dormakaba Gulf

Silver – Hanish Arora, dormakaba India

Bronze – Chris Grimshaw, Allgood UK

CERTIFICATE IN ARCHITECTURAL HARDWARE

Gold – Jessa Comia, dormakaba Gulf

Silver – Dan Savage, HOPPE (UK)

Bronze – Bala Vignesh, ASSA ABLOY Middle East





CLEAR VISION

GEZE UK turned 30 this year. **Alison Gallagher Hughes** celebrates the manufacturer's birthday by looking back at its achievements and ahead at its future plans.



Open sesame:
GEZE door
products at Theatre
Royal Glasgow
(above) and in retail

GEZE UK was born in 1988, when Rick Astley was topping the charts and Stephen Hawking published *A History of Time*. The past 30 years have seen total transformation into a leading window and door control manufacturer positioning itself at the leading edge of its market.

The German company GEZE set-up its UK subsidiary in Chelmsford as a distribution centre – primarily in architectural ironmongery – and an export gateway to commonwealth countries.

Within a decade, the Disability Discrimination Act became law. Accessibility became a key requirement for publicly-accessed buildings, triggering a surge in the demand for door automation. This coincided with the launch of one of GEZE's most iconic products, the

// We understand our routes to market and customer demand on this island, which is quite different to mainland Europe or other regions. I have a mandate to get on with it."

Slimdrive range for sliding doors – so called because of an unobtrusive 7cm operator height. Automatic doors had come of age.

Around this time, GEZE UK was setting up a 'project division' (for the supply and installation of automatic doors) in Tamworth. And then, in 2005, moved to a purpose-built facility in Lichfield which combined the distribution, and supply and installation sides of the business. A service division was launched soon after in 2008.

German engineering

GEZE's owner Brigitte Vöster-Alber built the business ambitiously. She jettisoned the company's popular ski product line in 1983 to fully concentrate on door and window systems. Today, GEZE has a turnover of €406m worldwide and a £30m turnover in the UK.

The business is still a family affair – an influence which shapes its strategic vision and approach. Kaz Spiwakowski, GEZE UK's managing director – celebrating a five year anniversary this year at the helm of the UK company – says this is beneficial.

"It is most definitely a family business which is very empathetic in how it treats its employees. It has great advantages, that family spirit is far less rigid and corporate than many organisations and there is definitely a long-term view.

"I have worked in all sorts of organisations, all have their pros and cons; those owned by venture capitalists reach a target and then get out. It's about increasing value, reducing costs and maximising topline forecasts, come hell or high water, then selling the business. In PLCs, if there is a profit warning, there are inevitable short-term repercussions to the company's value etc, it all leads to a lack of stability.

"At GEZE, there are family members engaged in the business at all levels and they have the long term interests of GEZE at the heart of what they do."

How does this affect the symbiosis between GEZE UK and its parent company in terms of culture and approach?

GEZE door and window solutions at One New Oxford Street and a Maggie's Centre

"Mrs Vöster-Alber is a very patient person with a long-term view," says Kaz. "I enjoy a tremendous amount of arms-length interaction with Germany. There is a natural assimilation to the parent company, the overarching strategy and our staff counterparts, but we are given the autonomy to manage our own market. We understand our routes to market and customer demand on this island, which is quite different to mainland Europe or other regions. I have been given a mandate to get on with it."

There are company 'directives', he admits, but these are incremental to maintaining the strength of the brand, its credentials and approach as an innovative manufacturer and service provider of solutions.

Understanding the market and its changing needs neatly dovetails into new product development (NPD). Although the majority of GEZE's »»



The main entrance at Waitrose's flagship store in Chester features a pair of bi-parting automatic sliding glass doors powered by GEZE's Slimdrive SL NT drives

NPD is undertaken at its Leonberg HQ, supported by defined resources, budget and testing, its UK subsidiary is given the flexibility to modify or design products where it identifies an emerging demand. Ideas are developed by the technical team or through the established NDP process which are filtered through a gateway system.

"It's nice for people here to be able to flex their muscles," says Kaz "It gives them a chance to move away from the day-to-day running of the business and focus on their own projects.

"The thing that we have to be mindful of, is that any modifications don't compromise the products and that they must undergo rigorous testing."

Recent examples include the production of a locking bracket for the drive belt of the Slimdrive SL NT operators for sliding doors – a solution that was created out of test parts from a 3D printer, and a water-resistant underfloor operator that was devised to meet particular client needs.

Technology has brought about the greatest changes in the fortunes of GEZE and that pace of change has been most significant in the past 10-15 years. There has been a digital revolution which have been reflected in products such as the GEZE cockpit and range of smart ventilation product.

Future focus

What does the future hold for GEZE? "The future for GEZE is one of growth but in new areas: from traditional stand alone mechanical products to connected, intelligent products and smart buildings," says Kaz.



// "The future for GEZE is one of growth but in new areas: from traditional stand-alone mechanical products to connected, intelligent products and smart buildings"

"We have been developing HR, HSQE, training processes and functions to enable us to transition the business for the future."

These include a variety of digital applications – software is now leading the pace of change just as hardware did a few short decades ago. In particular, artificial intelligence (AI) and remote management look set to be incorporated to provide enhanced levels of expertise and application out 'in the field'.

Although a 'satellite' to its parent company – with over 250 employees in the UK, compared to 2,500 in Germany – there is a self-determination that propels GEZE UK to ever-greater things.

"We have great expectations of the future and we expect a lot of ourselves," concludes Kaz. ■

Alison Gallagher-Hughes is PR manager for GEZE.



LEADING MAN

Kaz on his style of leadership.

"Overall, I'm democratic. I try to ensure that people have bought in to an idea so that they are engaged in the decision, but in business there is a need to use a number of styles depending on the situation.

"I'm open with my communication. I'm very hands on involved with the business, sometimes too much but I expect managers to manage and take responsibility for their area of work.

"Most of what I do or how I go about what I do is based around ethics and how I was brought up: treat people as you might expect to be treated, be polite, and I don't have a hierarchical approach; I may be MD but that just means I do a different job to someone else, not that it makes me a more important person; we are all important in getting the job done."

Nicky Roger



guild of
architectural
ironmongers

advancing architectural ironmongery



GAI RIBA Approved CPDs

The GAI have created four CPDs which have been approved by the Royal Institute of British Architects. As they are RIBA approved this means that architects will be able to receive double learning points for attending a presentation of this CPD. These CPDs are now available to GAI membership to purchase at a cost of £300 plus VAT each

Ironmongery and accessibility

This looks at legislation and standards including Equality Act, BS 8300:2009 as well as Approved Document M and the equivalents throughout the UK and Ireland. It also looks at BS 8300 compliant specification of product including door closers, automatic door operators, door furniture and hardware as well as access control products and handrail.

Specification of door hardware - an architect's guide.

This is based on the publication of the same name which is available in hard copy or to be downloaded from the GAI website. This Presentation is intended as a guide for architects on what architectural ironmongery is and how the process of correctly specifying these critical items come together.

Ironmongery for fire and escape doors:

This provides guidance for architects and building owners on the correct specification of ironmongery on fire and escape doors as well as the necessity of regular inspection and maintenance on these critical items.

The specifiers guide to access control

This looks at the definition and correct specification of electric locking and access control systems, including online, off line and virtual systems. It also looks at new product innovations.

For further details please contact **technical@gai.org.uk**

TREND SETTERS

What trends can the industry expect to see in 2019? Leading names give us their predictions. Spoiler: black is back



PAUL REES, ARCHITECT

■ With the increasing awareness of mental health, there will be a push towards healthier workspaces and homes. This is through internal planting, like green walls, improved views from workspaces, better access to daylight, varied workspaces.

Shared workspaces will really take off next year too. Instead of renting a whole office units, the self-employed, freelancers or even small businesses can rent desk space within large commercial buildings and share the facilities and social spaces for networking, relaxing etc.

In homes, as running costs rise, people will continue to look at retrofitting technology into their homes to reduce energy waste. Anything app related – e.g. heating, lighting and equipment controls.

There will be a steady increase in off-site fabrication, with the benefits of accuracy of construction, avoidance of weather disturbance, greater control of health and safety issues and reduced time/labour on site constructing increasingly outweighing any increased materials/purchase cost.



WAYNE DYMOND, SALES & MARKETING DIRECTOR, TURNSTYLE DESIGNS

■ We are seeing a noticeable move away from silver based finishes (chrome, nickel etc) towards more rusting living finishes. This 'trend' seems to have a foothold now in the high-end residential arena. In the high end residential sector we have seen a considerable rise in interest for more contemporary knob furniture.

We are also being asked for larger scale lever furniture to coordinate with the larger doors being specified.

I am also seeing a rising demand for texture. Clients have really woken up to the fact that the door hardware is one of the few elements users actually physically interact with therefore playing to the sense of touch as well as the visual is now more of a requirement.



JULIAN NEWMAN, OXFORD IRONMONGERY LTD

■ The past few years have seen a major development of new and exciting finishes. Back in the day it was brass, chrome or black antique and chrome was thought risqué! Now all the quality manufacturers, Frank Allart, Turnstyle and Croft all produce 30 plus different finishes which is astonishing enough. The latest are all the dark finishes, bronzes and most recently black nickel and a matte black which is being offered by a number of manufacturers.

The other trend which I can see booming are concealed products, hinges, door closers and now with magnetic latches we can offer a seamless door with only the handle visible. Interior designers will be blown away by this.



TOM PLANCK, MANAGING DIRECTOR, JOHN PLANCK

■ We have and are seeing a lot of interest in 'black' furniture, having recently completed a new office development where black was the chosen finish of ironmongery used on white doors, but also our washroom fittings in black were of particular interest on our stand at the recent 100% Design exhibition. That said, we are also seeing a slight return to the classic satin nickels and satin chromes in some residential projects so maybe indicating a move away from the recently dominating 'bronze' finishes for hardware.

We are certainly seeing a bigger drive with regards to security and access control within buildings now. The arrival of some very simple and cost effective offerings on the market has made this more achievable for even the smaller projects with reduced budgets. This is starting to change the mentality of the end user with regards to 'keys' and how they 'access' their building.



ANDREW SHAW, ARCHITECTURAL CONSULTANT, ALLEGION

■ One of the main focuses for architects will be to crack-down on fire safety regulations. After the Grenfell Tower fire, the industry has been given a well-needed wake-up call. Specifying building layouts and solutions in accordance with facilitating safe escape will be high on the agenda, as the motivation to maintain compliance becomes stronger.

Alongside this, there will also be a greater consideration into inclusive design. Public service buildings – such as hospitals – must accommodate for different types of user groups, such as the vulnerable, those with disabilities or mental health illnesses. Door hardware is particularly important here, as it can sometimes serve to be a hindrance for certain groups rather than a support.

As the Internet of Things (IoT) becomes more commonplace within the industry, we'll begin to see more smart technologies implemented into facilities' existing security strategies.



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ASSEMBLY POINT

Douglas Masterson provides an update on doorsets and door assemblies

Fire doors have been making headlines for many reasons over the past number of months, and a particular light has been shone on them since the tragedy at Grenfell Tower in 2017. This article will look at the issue of CE marking of doorsets, testing of fire doors and the ongoing debate on doorsets vs door assemblies. It should be noted that all information is accurate at time of going to press.

CE MARKING OF DOORSETS

What is the current situation with CE marking of internal fire rated doorsets?

The ability to CE mark doorsets initially revolved around EN 16034:2015. This is the standard entitled: "Pedestrian doorsets, industrial, commercial, garage doors and openable windows. Product standard, performance

characteristics. Fire resisting and/or smoke control characteristics."

The standard itself was published in October 2014, but it had not yet become a harmonised standard (hEN). For this to occur it had to be published in the Official Journal of the European Union (OJEU). The official date of publication of this standard was the 10th July 2015 and doorsets should therefore have been able to be CE marked to this standard with effect from 1st December 2015. This date was subsequently changed throughout 2016 and was finalised as 1st November 2016. As with any new standard, there is a co-existence period wherein the Member State's existing standards can run alongside the new standard. It had been determined by CEN that this would be three years, therefore this period will end on the 1st November 2019. There had, however, been another significant development on this following the publication of the Official Journal of the European Union on 28th October 2016. Whilst it was still correct that CE marking of fire-rated doorsets would commence on the 1st of November 2016, and the co-existence period would finish on 1st of November 2019 it was confirmed that there would be some restrictions:

- 1) CE marking would be possible on external doorsets and windows with fire characteristics and industrial, commercial and garage fire doors only.
- 2) For CE marking to happen then two standards would have to be used, depending on the scenario: For external doorsets it will require EN 16034 and EN 14351-1. For industrial, commercial and garage fire doors it will require EN 16034 and EN 13241-1.
- 3) CE marking of internal fire-rated doorsets would not start until prEN 14351-2, the draft standard for internal doorsets and windows, is published and cited in OJEU.

Can I currently place a CE marked fire rated internal doorset on the market?

The long awaited standard EN 14351-2 has now been published as of November 2018, however until the

standard has been cited in the OJEU it will not be possible to CE mark internal fire rated doorsets. Depending on the date of citation there is the possibility that the date for mandatory CE marking for internal fire-rated doorsets could be delayed further. The GAI will continue to keep its membership advised on this matter as things progress.

FIRE DOOR TESTING CONCERNS **Is it still possible to sell a timber fire-rated door which has been tested to one side only?**

There had been a number of concerns shared with the GAI following Advice Note 16 issued by MHCLG of UK Government on 31st July 2018. This was to provide advice for building owners on assurance and replacing of flat entrance fire doors. It provided information on a number of fire door related issues and stated the following "Flat entrance fire doors should have test evidence demonstrating they meet the performance requirement in Building Regulations guidance¹ for fire resistance and smoke control from both sides."

The requirement for testing of fire doors from both sides caused great concern, particularly in the timber fire door and the ironmongery industries. This concern which was relayed back to MHCLG resulted in a more recent clarification to this entitled "Advice Note 17: Advice on the testing and

// Whilst there will undeniably be demand for CE marked doorsets once the relevant standards are published this does not mean the supply of hardware and doors separately will cease to exist"

classification of Fire Doorsets" and was published on the 28th August 2018. It confirmed that this advice applied to composite doors only. It specifically detailed that timber or metal doorsets could be tested to one side as per BS 476-22 or EN 1634-1 and stated that "both standards acknowledge that it may not always be necessary to carry out tests from both sides of a door set."

DOORSETS AND DOOR ASSEMBLY DEBATE

What is the difference between a doorset and a door assembly?

Under CEN standards' definition a doorset is supplied by one legal entity, or company. They take responsibility for the complete doorset which is supplied as a warranted tested whole unit. This allows for one single point of contact for the main contractor. A door assembly is typically supplied with parts from more than one source, with each company being legally responsible for the fire test evidence

or relevant fire certification of its own part of the final assembly. This means separate responsibilities for each part of the supply.

Does EN 16034:2015 mean that CE marked doorsets will be the only route to market for doors?

The GAI is unchanged in its advice to its member to this question which is a definitive no! It will still be perfectly legal to supply fire/smoke door assemblies, escape door assemblies and internal non-fire door assemblies. These continue to be seen as being acceptable in terms of Approved Document B and its equivalents.

Can I CE mark a door assembly?

No – as they are NOT within the scope of any doorset standard, however, as previously stated, this does not mean that you cannot sell them. They are still acceptable in terms of Approved Document B of the Building Regulations and their equivalent technical handbook and booklet in all parts of the UK and in Ireland. Put simply, just because door assemblies are not covered by EN 16034 does not mean that they can no longer be sold.

Can I still sell ironmongery which can be sold and fitted on to door assemblies on site?

Yes. But as with any ironmongery which is to be supplied on to a fire door assembly or doorset, it must be CE marked to the relevant Harmonised EN product performance standard where one is available.

What does the GAI have to say on this matter to their membership?

It should be noted that the specification and supply of architectural ironmongery for fire door assemblies is unchanged. Whilst there will undeniably be demand for CE marked doorsets once the relevant standards are published and harmonised this does not mean that the supply of hardware and doors separately will cease to exist. ■

If you have any other questions, email technical@gai.org.uk

Testing fire doors from both sides caused concern for ironmongers



NEW PRODUCTS »



NEW UNION PANIC EXIT DEVICE RANGE

UNION has launched ExiSAFE – a new range of panic exit devices (PED) for use in public and commercial buildings.

The range comprises panic and emergency bolt and latch products for single and double doors, along with outside access devices for use where doors are required to be opened from the opposite side to the PED.

ExiSAFE products have been through a series of rigorous tests, including testing over 200,000 cycles and assessments by third

parties. The range meets either BS EN 179 or BS EN 1125, is independently certified by Certifire, and is CE Marked as standard.

The range consists of several products, including push bar-operated panic latches and bolts that meet BS EN 1125 for use in public buildings. Also included within the range are push pad-operated emergency latches, bolts and double door solutions. These products conform to BS EN 179 for use in commercial facilities. The entire range is also backed with a 10-year guarantee against failure.

ExiSAFE replaces EXIMO, the previous range of UNION PEDs.

www.uniononline.co.uk

GLUTZ ISSUES HANDLES WITH A TWIST



Glutz has launched a new suite of architect-designed handles and associated hardware created by architect and designer

Stephan Hürlemann and named after his home town.

The Glutz Appenzell collection features sophisticated geometry with a cleverly designed 'kink'. The range comprises eight different versions for solid leaf or metal frame doors suitable for use in any public building, offices building, or high-end residential development. This includes pull handles and escape door handles, through to window and sliding-door handles.

The range has been tested BS EN 1906 and is suitable for installation in smoke and fire doors in accordance with BS EN 1634. All of the Appenzell range is available in satin and polished stainless steel, RAL or PVD coated.

e-mail: pgrech@glutz.co.uk

ABLOY LAUNCHES INNOVATIVE ESCAPE DOOR SYSTEM

Security expert Abloy UK has launched an innovative escape door system (EDS) that offers easy access and egress while ensuring compliance, security and the ability to implement dynamic lockdown procedures.

With the EDS, it is now possible to provide a compliant solution for an escape door when read-in/read-out access control is specified, combining the three components required for BS EN 13637 (electronically controlled escape door systems for doors along escape routes).

The EDS offers locking, with a fail-unlocked locking element that does not require any mechanical input to operate, and intelligent control that allows connection to fire alarm systems or other building control systems to ensure escape in an emergency.



In addition, the trigger unit incorporates a key-switch and a push button that tells the controller to release the locking mechanism to allow safe escape. To be a valid BS EN 13637 solution, these three components must be tested together to ensure compliance and safety.

Models available include the EDS 1386 No Delay Terminal – Surface Mounted, Escape door 24 V DC, and the EDS 1386 T1 Delay Terminal – Surface Mounted Escape door 24 V DC.

Abloy offers free academy courses – including the foundations and foundations plus – to provide training on compliant locking solutions, with dedicated facilities for presentations and hands-on practical training.

www.abloy.co.uk

GEZE COCKPIT ENABLES SMART BUILDING MANAGEMENT

A smart hub that let's you take control of door, window and safety systems was launched by GEZE UK at the Smart Buildings Show in November.

GEZE Cockpit acts as 'a brain' – intelligently integrating door, window and safety technology into building management systems – and giving building designers greater options to create the next generation of smart buildings.

The hi-tech system, which is the first of its kind, uses the latest technology with open interface

and offers efficiency, security and convenience, combined with intelligent smoke and heat extraction and dynamic fire protection to protect targeted escape route. The GEZE Cockpit can be used as a stand-alone solution or integrated into an over-arching building management system (BMS).

With its open BACnet standard integration, GEZE Cockpit can be managed remotely using a PC, tablet or smartphone, providing flexible control via an IO 420 interface.

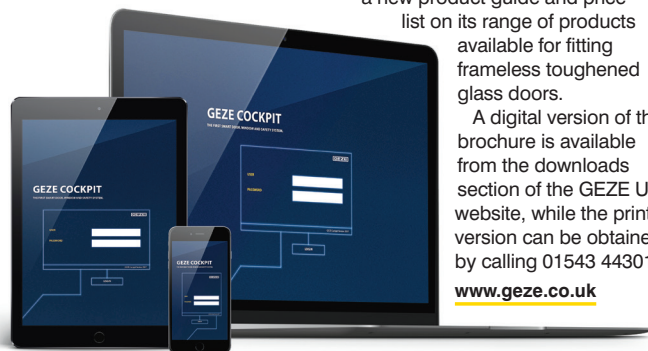
It can monitor external and internal temperatures and provide CO₂ management – automatically opening vents to dissipate stale air and allow fresh air into the building to improve conditions for those inside.

The firm has also recently released a new product guide and price

list on its range of products available for fitting frameless toughened glass doors.

A digital version of the brochure is available from the downloads section of the GEZE UK website, while the printed version can be obtained by calling 01543 443015.

www.geze.co.uk



■ ASSA ABLOY UNVEILS NEW DESIGN TO DOOR CLOSER RANGE

ASSA ABLOY Security Solutions, has introduced a new cover design to the DC700G range.

The DC700G-CM features Close-Motion® technology to ensure doors close quietly, while the DC700G-FT includes an integrated escape door locking solution that can be easily retrofitted to fire doors, without risking certification. Both door closers are available in the new contemporary design for the DC700G range.

The DC700G-CM combines security, accessibility and comfort in one door closer. Many environments require a secure closing that is often so forceful that the door can be noisy and disruptive when shutting. Typically, increased sealing and noise protection components are required to ensure the door closes quietly.

Close-Motion® technology ensures doors close securely while significantly reducing closing noise too. As an added benefit this also dramatically reduces the finger trap force at the leading edge. This makes the DC700G an effective solution for locations where finger trapping could be a real issue, such as nurseries, early year centres, pre-schools, hospitals and elderly care homes.

Close-Motion® is integrated into the housing of the DC700G-CM, without the need for any separate components, for a sleek, modern design. The backcheck and opening speed of the door closer can also be easily controlled, and retrofitting can be performed on existing doors with a DIN drilling pattern.

The DC700G-CM can be installed on single and double leaf doors, and can be easily integrated to work in conjunction with existing Access Control Systems as the DC700G-CM delivers assured, silent and safe closing.

www.assaabloy.co.uk/doorclosers



■ CROFT ADDS NEW MORTICE KNOB DESIGNS TO PORTFOLIO

Croft has introduced seven classically designed, contemporary in appearance mortice knobs to the range.

The classic products are instilled with luxe modern design touches and crafted from the finest quality British brass. Using a blend of state-of-the-art machinery and hand craftsmanship, the new mortice knobs are manufactured by a skilled

team of artisans in the Croft factory.

Available in over 20 finishes, the new mortice knobs are specifically designed with correlating covered roses to achieve a luxurious look and feel on the door.

The tried and tested two part concealed rose provides the best of both worlds: secure and easy to fit, whilst covering the fixings to create a contemporary aesthetic.

Croft has produced an online brochure showcasing the new releases.

Download at <http://croft.co.uk/contemporary-mortice-knobs.php>.

■ CONCEALED HINGES FOR GLASS DOORS FROM SIMONSWERK

Simonswerk has added to its TECTUS range of concealed hinges with New TECTUS Glass designed for aesthetic and functional solution for minimal flush-fitting installation of glass doors.

The TECTUS TEG 3102D system means the hinge technology is barely visible providing maximum transparency with a load capacity of 60kg – more than enough for a glass door with 10x1000x2300mm and suitable for 8 and 10mm glass doors.

The new glass door solution also includes a magnetic latch and handles as an alternative to standard components. It provides a contactless and silent closing process.

www.simonswerk.com



■ CODELOCKS GETS SMART WITH NEW COMBO



Codelocks has launched CL4520 – a smart lock that combines a mortice lock with a double cylinder. This new lock is ideal for buildings and environments that experience high traffic or for busy building managers seeking to streamline their activities.

The CL4520 features a euro profile mortice sash lock with deadbolt and latchbolt safety function. This versatile lock can be set with or without a key-operated deadbolt feature allowing building managers to restrict or allow access by code. Accidental lock ins are avoided with the provision of an inside

lever handle to retract the deadbolt and latchbolt simultaneously.

The CL4520 offers a range of entry methods controlled and monitored via a Bluetooth compatible smartphone. The wireless technology, accessed via the K3 Connect App*, allows users to activate the lock, generate codes for easy access, issue smart cards and track and control entry with a full audit trail via a smartphone. Smart control is facilitated by issuing NetCodes; time-sensitive codes which can allow temporary access. Using time-sensitive codes is a more secure way to grant access



as the code will not work outside the designated timeslot.

Codelocks' CL4520 supports up to 350 users divided between 100 user codes, 100 phone clients and 150 smart cards. Its user interface gives building managers complete control from their smartphone whether updating basic settings, creating multiple individual access periods or downloading audit trail data.

www.codelocks.co.uk

WELL VERSED

The Dubai 2020 Expo is set to push the design envelope with the UK pavilion taking an innovative poetry theme

The Dubai 2020 Expo, will take the theme Connecting Minds, Creating the Future. Organised around ideas of sustainability, mobility and opportunity, the next World Expo will be the first to be held in the Middle East, North Africa and South Asia region.

Organised every five years, the World Expo lasts six months and is created as a global destination for people to share ideas, showcase innovation, encourage collaboration and celebrate human ingenuity.

The first World Expo was held in 1851 at London's Crystal Palace and was known as The Great Exhibition of the Works of Industry of All Nations. It showcased about 100,000 inventions from the industrial revolution.

Each participating country will have its own pavilion, while there will also

be a pavilion for each of the three main themes. Foster+Partners won the chance to design the Mobility Pavilion within the Expo's HOK-designed masterplan.

British set designer Es Devlin has been chosen to create the UK Pavilion, with a performative structure that will use artificial intelligence to write poems.

Called the Poem Pavilion, the structure will be the first UK Pavilion created by a female designer. It will feature an illuminated 'message to space' made up of numerous AI-generated poems, which the Expo's anticipated 25 million visitors will be invited to contribute to.

The 20-metre-high, cone-shaped pavilion will be made up of rows of protruding slats that extend outwards from one central point to form a circular facade. Poems lit up in LEDs will scroll across the façade. Poetry will be in Arabic, Chinese and French, as well as English.

Visitors will enter the building from below the cone through an illuminated Maze of Aspiration. Featuring augmented reality-enhanced exhibitions, the maze transforms the queue – which Expo visitors often



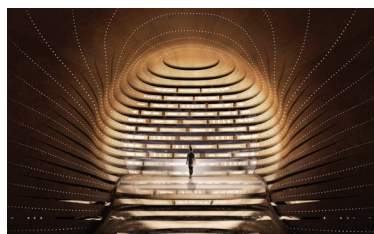
IMAGES: ES DEVLIN

The Mobility Pavilion (main picture) and the UK Pavilion's exterior and interior plans

complain about – into a virtue, using it to entertain and educate visitors while they explore Britain's advances in artificial intelligence and space technology.

Inside the pavilion is the Choral Space, which will be filled with a collective choral soundtrack, including choirs from every continent.

According to Devlin, the concept was inspired by one of physicist Stephen Hawking's final projects from 2015 called Breakthrough Message. This was a global competition that invited people to create digital messages that would represent humanity, if we ever encounter other advanced civilisations. ■





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David Stacey

Product Sales Director UK & Ireland, dormakaba

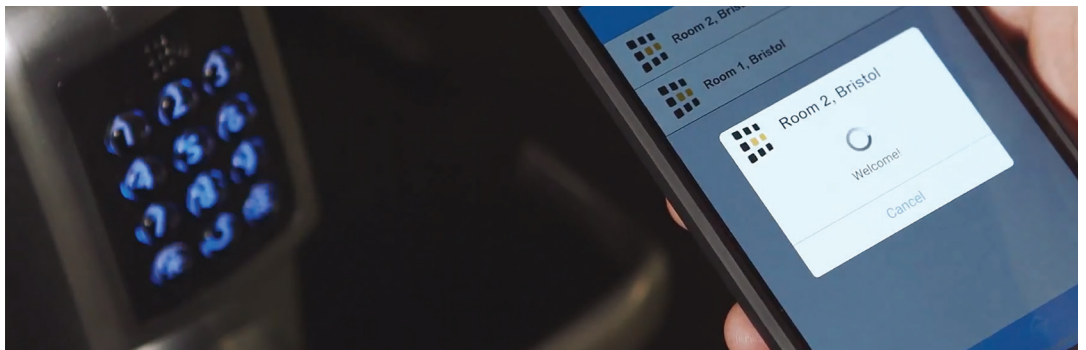
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To view the full prospectus visit www.gai.org.uk/prospectus or contact us on

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