



architectural
ironmongery
journal

no.147 autumn/winter 2012

advancing architectural ironmongery



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The weather may have been grim, and forecasts for the immediate future of the construction industry even more so, but when the AI industry gathered in London in November for the annual GAI Awards Lunch, the prevailing conditions were cheerful. The day – which, despite the gloom, was a sell-out – has really become a day of celebration for the industry. This year's successful Diploma students received their certificates and the prize winners were applauded by their peers. It is hard not to be uplifted by the mood on the day – which not only celebrates today's success but also looks forward to the future which these students can look forward to as newly qualified DipGAIs. It is testament to the commitment of the industry to quality and service that companies continue to invest in training during darker times – it bodes well for the future.

Our feature on apprentices in this issue (page 16) also throws a really positive light on training and shows how two companies in the sector are reaping the rewards of young new talent in their businesses. Much brighter news than either the weather or the economy can provide for us right now.



Helen Curry

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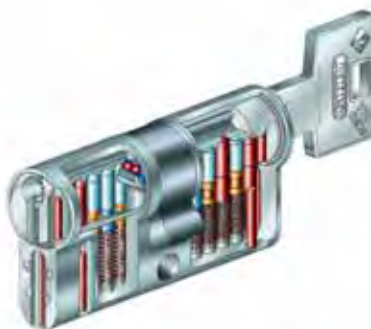
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industry news

RIBA approved CPD...New east subsidiary opens...New shop for Oxford

aijdiary dates

ON NOW

Emerging Architecture

Date: Until 01 March 2013

Venue: RIBA 66 Portland Place, London W1B 1AD

Description: Work by young architects from the annual ar+d Awards for Emerging Architecture. Now in its 14th year, it is the leading awards programme for architects and designers under 45.

The RIBA President's Medals Student Awards 2012

Date: Until 26 January 2013

Venue: Gallery Two and the Lutyens Room, RIBA, 66 Portland Place, London W1B 1AD

Description: The RIBA President's Medals Student Awards are considered the most prestigious and long-lasting award in architectural education in the world. These awards are aimed at promoting excellence in the study of architecture, rewarding talent, and encouraging architectural debate worldwide.

JANUARY 2013

INTERIORS UK 2013

Date: January 20 - 23, 2013

Venue: The NEC, Birmingham

Description: INTERIORS UK 2013 is for people passionate about design and sourcing great products. It's the event that offers networking and business opportunities for leading national and international buyers. It also includes a free four-day seminar programme.



INSIGHT FOR SPECIFIERS

Laidlaw is now able to offer four RIBA approved CPD presentations to help provide greater insight into the specification of architectural ironmongery, access control, doorsets and handrail & balustrading components.

Covering a variety of topics, which are commonly encountered by specifiers, Laidlaw's approved CPD materials look at the key points to consider before selecting a product or system:

- *'Helping To Specify Architectural Ironmongery'*
- *'Specification of Internal Timber Doorsets with Particular Reference to Parts M and E of the Building Regulations'*
- *The 'Equality Act 2010 - Access to Goods, Services and Facilities'*
- *Handrails and Balustrades: Adding Flair to your Stairs*

Shafiq Sharif, Marketing Manager from Laidlaw commented: "Our four RIBA approved CPD's have been put together to provide an additional tool which architects and specifiers can call upon when looking for further clarification on the specification of certain components."

NEWS FROM LORIENT IN THE EAST

Lorient has announced the incorporation of a new subsidiary to serve its customers in Singapore and appointed Neil Holmes to run the new operation known as Lorient Southeast Asia. Previously with Häfele in Sydney Neil is a DipGAI and former Sales Director of Allgood. Speaking of Neil's appointment Maria Simmonds, Managing Director said: "We are thrilled to have secured the services of such a professional. Neil is the perfect fit for our new business in Singapore and his wealth of experience and knowledge - teamed with his personable approach, make him the very best choice for Lorient".

Plans are already underway for sales & marketing activity in Singapore and the surrounding region with Neil working alongside his colleagues from the UK and Hong Kong teams to get the new Lorient Southeast Asia business up & running during the summer months.



NEW DOOR OPENS IN OXFORD

Door hardware specialist Oxford Ironmongery is set to expand with the opening of a new shop selling timber doors in Marston, Oxford, on 5 November 2012.

The new outlet, called Oxford Doors & Security, will display beautiful internal and external timber doors in a realistic setting so that customers can see what their new door will look like in situ. The showroom is the only one of its kind in the area and builds on Oxford Ironmongery's many years of experience in the door hardware market. As well as the aesthetics of the doors themselves, trained, experienced staff will be on hand to advise customers with their security, safety and accessibility requirements.

The showroom displays a full range of glazed, semi-glazed and unglazed doors in contemporary and traditional designs all in natural timber. The full range of stylish door furniture for which Oxford Ironmongery is well-known will also be on show and specialist security products can also be selected to keep homes safe and secure.

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people news

Andrew Hall steps down...New MD at Komfort...IronmongeryDirect appointment

NEW FACE AT THE HEAD OF KOMFORT

Nick Prosser has been appointed as the new Managing Director of Komfort.

Nick brings to Komfort extensive experience at MD level, with a strong history of strategy development and execution as well as manufacturing, contracting and distribution.

He spent seven years as Managing Director of Solaglas Contracting and prior to this was with IMI Plc where he ran a number of engineering businesses before heading up their Corporate Development team. Nick's experience of the contracting industry has given him significant insight into the needs and challenges of installers. He fully understands the value that an excellent service and high quality supplier can add to an installer's business, and intends to apply this knowledge to improve the performance of Komfort.

Nick said of his appointment: "It's an exciting but challenging time in the industry and I'm looking forward to leading Komfort, growing the business and improving our product and service offering to customers."



GEZE MANAGING DIRECTOR STEPS DOWN AFTER 13 YEARS

After 13 years as Managing Director of GEZE UK, Andrew Hall will be leaving the business at the end of the year.

"I joined GEZE on 1 January 2000 and since then we have been lucky enough to have enjoyed continuous sales growth. This has been possible because I have worked with a dedicated and professional team and with the support from our customers and suppliers," says Andrew.

Andrew was President of the GAI from 2008-2010 and continues to serve on the Marketing and Executive Committees until the end of the year.

Andrew will be replaced by Kaz Spiewakowski in January 2013. Kaz has held a number of General Management positions, most recently Managing Director at Exidor. Prior to Exidor, Kaz was in general management and European sales roles for Dynacast International, a global manufacturer of precision engineered components.

NEW HEAD OF OPERATIONS FOR IRONMONGERYDIRECT



IronmongeryDirect, has appointed Raj Ramoutar as Head of Operations.

Based at the Basildon HQ, Raj will be responsible for all aspects of service delivery from the 50,000 sq ft. premises. "Continuous improvement of operating efficiencies, order fulfilment and despatch of goods is something I'm passionate about and this is crucial to us maintaining one of the industry's fastest next day delivery services," says Raj. With a strong background in operations, logistics and customer service with Emma Bridgewater, Fortnum & Mason, Cath Kidston, and Littlewoods Shop Direct Group, Raj brings a wealth of experience to the position of Head of Operations.

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gai matters

Our regular roundup of the latest news, views and developments within the Guild of Architectural Ironmongers

Prime Minister David Cameron talks to John Jefferies (front right)



GAI AT BIG 5 GETS VIP VISIT

The GAI's presence at the Big 5 Exhibition in Dubai received a VIP stamp of approval when Prime Minister David Cameron made a beeline for the Laidlaw Interiors Group stand when he visited the show.

The PM talked to John Jefferies, CEO of Laidlaw Interiors Group and Vice President of the GAI. John said that the Prime Minister had thanked the members of the UK pavilion for supporting British exports and enquired about their objectives at the region's biggest construction and machinery show.

"Firstly he thanked us for supporting British exports and said that Britain must export its way out of the recession," said John. He added that the Prime Minister had also enquired about the strength of the relationship between UK firms and the UAE and how the UK government could help.

This event is just part of the GAI's support for Big 5 and its member companies in the region. As well as attending the exhibition, Gary Amer, Chief Executive of the GAI, presented Diplomas and prizes to students from the Middle East who were not able to attend the GAI's annual Education Awards Lunch in London. He visited two Dubai based winners at Level 2 from GEZE Middle East and Häfele GCC, plus a new Diploma holder at DORMA Gulf.



FDIS WELCOMES NEW GENERAL MANAGER

Neil Ashdown has recently joined FDIS as general manager in response to the increasing number of people registering for the FDIS and the upcoming launch of the qualification for certificated fire door inspectors.

Neil has worked in the door and timber industries throughout his career, most recently running his own businesses focussing on the sales of timber doors, joinery, loose timber and allied products, and the supply of non-standard fire doors. He is a long-time member of the British Woodworking Federation and the BWF-CERTIFIRE Fire Door and Doorset Scheme. He also achieved the FDIS Diploma earlier this year - the Diploma which he will now oversee.

Neil says: "I am very excited about this new role and the contribution that FDIS can make to saving lives and property through creating a better understanding of the critical role of fire doors. I was very impressed by the online education that FDIS offers and I'm now looking

forward to helping individuals and companies in the industry, as well as those responsible for building safety, to benefit from this new industry resource."

The FDIS is the first such scheme in Europe, designed to transform people's knowledge and understanding about the critical purpose and function of fire doors. Its ultimate purpose is to help improve safety and save lives through creating a new pool of expertise and competence to help those with legal responsibilities under the Regulatory Reform (Fire Safety) Order. It provides a vital new resource to help the 'Responsible Person' complete fire risk assessments for the premises they manage. It also raises awareness of defective fire doors and the potentially tragic consequences of leaving these unchecked.

FDIS is an invaluable resource for any AI, fire safety professional, health and safety consultant, building inspector, facilities manager or employee within the fire door industry - a valuable additional

qualification under your belt which proves your competence in fire door inspection and advice.

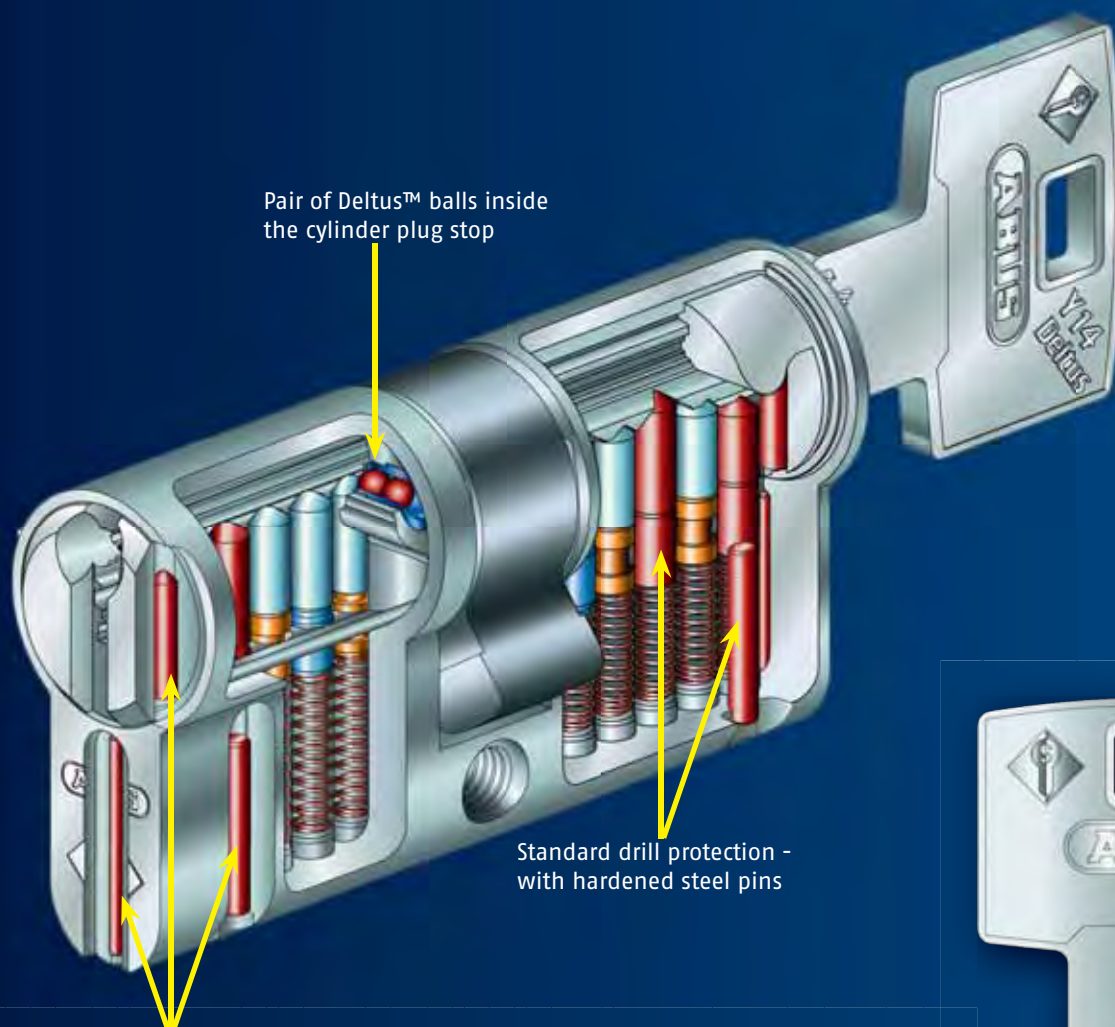
If you have any questions about the FDIS scheme contact Neil on info@fdis.co.uk or call him on 07970 201231.



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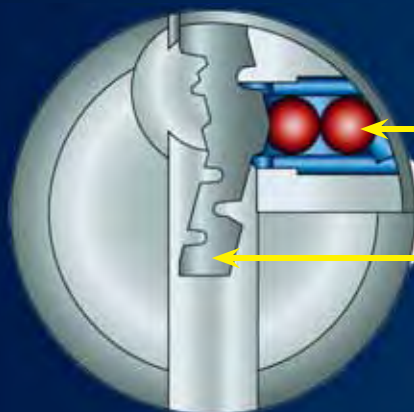
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Pair of Deltus™ balls inside the cylinder plug stop

Standard drill protection - with hardened steel pins

Additional drill protection as option available



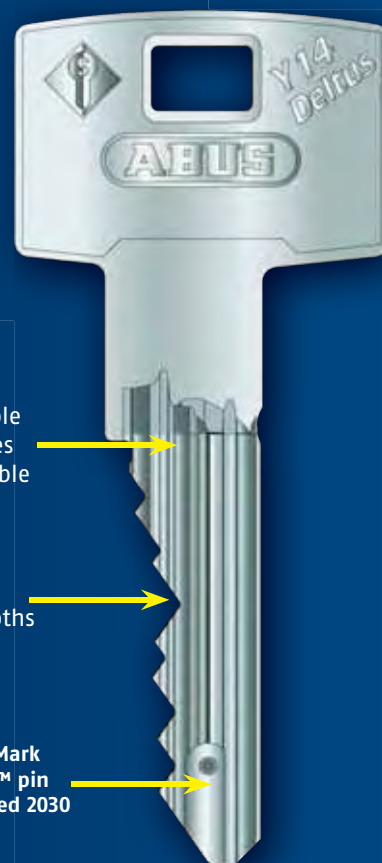
Pair of Deltus™ balls inside the cylinder plug stop

Curved profile keyway

Multiple profiles available

6 pins
13 depths

Trade Mark
Deltus™ pin
Patented 2030





the aij meets

*Mario Del-Signore,
Director of CES Security*

EARLY STARTER

Mario Del-Signore,
Managing Director of CES
Security Solutions, has
been in the ironmongery
trade man and boy. The
AIJ's Helen Curry meets
him to talk about his
career and his plans for
the future of CES in the UK.

The first thing that Mario points out when I visit him at CES's Kent headquarters is how to pronounce the company name. "A lot of people in the trade call us C-E-S," he says. "But it should be pronounced Sess, in line with all our sister companies around the world." Mario has been with CES for four years, a company well known across Europe for producing quality cylinders but which also specialises in electronic locks and high end locks and lock cases.

With those formalities out of the way, Mario is keen to explain how he got involved with the ironmongery industry while he was still at school. "I first came across the AI trade while I was still a school boy, growing up in Fulham," he recalls. "I got a job at W Spratt & Sons a retail ironmonger, stacking shelves after school from four to six o'clock." Mario had hoped to go onto university but for family reasons, he realised he needed to

get a full-time job so when Spratts offered him a full time job, he jumped at the chance. "I loved it there and they taught me everything about running an AI business," he says. "I spent a year in different parts of the business and got a really firm grounding in the whole trade – I loved it and spent ten years there in total."

Mario is the type of man who makes life-long friends wherever he goes and this is demonstrated by the fact that he is still in touch with his first ever boss, Fred Fletcher, even though the Spratts business closed four years ago.

After ten happy years at Spratts Mario moved down to Kent and went to work at local ironmongers Hinges and Brackets - another retail ironmonger which has five branches across Kent where he worked as the company's General Manager. "After that I fancied a change to the manufacturing side," says Mario and he moved to CISA, the lock and access control company as National Sales Manager, only leaving when it was taken over by Ingersoll Rand.

Mario's next move was also as a result of a lasting friendship when he went to G-U to help his close friend Paul Lewis set up its cylinder business, taking over as General Manager after Paul's untimely death in 2008.

In 2009 Mario was approached by Eckhart Leptien from CES - Germany's oldest cylinder manufacturer - to set up CES UK from scratch. "Initially I wasn't interested," says Mario, "but I went over to visit CES in Germany and was immediately won over by the fact that it is a family-owned business, the quality of the products, the outstanding way it treats its people." The group HQ, just outside Dusseldorf, produces every single CES item from start to finish – including its own in house plating facility which is unusual nowadays. So committed is the company to finishing every product itself that it can supply products in 50 to 60 different finishes from stock.

"2009 was a tough time to start up a business," recalls Mario who initially worked on his own in the UK and had to drive everything through the new business himself. "I was fully supported by Germany though and we had the USP of being able to offer really top quality products which we had made ourselves." Mario believes the secret to CES success is that it puts the customer at the heart of everything it does. Orders for up to 60 cylinders can be planned, made, and dispatched in just 48 hours – including offsets. For orders up to 500 cylinders, the turnaround is a still-impressive five days.

Mario is now ably assisted by Rose Devine-

Toulson who works on detailing, purchasing, planning systems and master keying. And he has big plans for the immediate future of CES. The company is moving into new premises before the end of the year with a warehousing and assembly facility which will allow the company to supply direct from the UK for the first time ever. "We will still be based in Kent but we will be taking on new assembly staff, a warehouse manager, and a business development manager for the north," says Mario. "Customers like local service so we are enhancing that and bolting it on to the slick German operation to offer the best of both worlds."

When he's not busy at CES, Mario is very involved and passionate about the Institute of Architectural Ironmongery as Chairman of the vibrant and successful South East Branch

The South East branch is, perhaps unsurprisingly, one of the busiest given that it has London on its patch. But the committee running the branch, chaired by Mario, has not rested on its laurels and has worked very hard to increase attendance and provide a programme that will attract more members. "I took over the branch chair from February last year," says Mario. "Having always had opinions and ideas on the institute over the 26 years that I had been in the industry, I decided to take up the role and reinvigorate the branch. "In the south east we are extremely fortunate that there is a nucleus of people that are passionate and regularly attend the meetings," says Mario. "The six-strong committee all work hard to make the meetings work, putting in a tremendous amount of hours entirely voluntarily."

When he took over the branch, Mario was especially keen to dispel the perennial "old boys' network" accusation by focusing on attracting younger people. "I had always felt when attending previous meetings that the average age was steadily increasing. Do we suddenly get to 40 and begin attending Institute meetings?" Mario speculates. "Again by communication and canvassing we really want to see the next generation coming through. We have in addition been joined on the committee by a younger member of the industry that will hopefully appeal to the next generation. We now see younger students regularly attending and participating which is really pleasing"

Such is Mario's commitment to the Institute that this year he was awarded the GAI Trophy for services to the Institute, a trophy which he proudly displays in his office. "When I was 20 and just entering the industry, I got a lot of encouragement from older AIs, and I'd like to be able to give some of that back," says Mario. "Plus, this really is an industry where you never stop learning – and that's one of the challenges I love about this trade."

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ON COURSE FOR SUCCESS

The correlation between attending a **residential course** and **success** in the GAI exams is well documented. So what goes on at these courses that make them such an **indicator of achievement**?

The AIJ's **Helen Curry** attended a Level Three Scheduling course to find out what goes on and how the students found it.



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ON COURSE

12 A quick glance through the list of this year's GAI Diploma holders and prize winners shows a remarkable degree of correlation between the students that have excelled and the students that have attended GAI Residential courses. The GAI has been running residential courses for many years, in London, Birmingham and, of late, in Dubai. Time after time, the gold medal winner and Pinnacle Award winner sings the praises of the residential training.

For instance, Neil Furness of Classic Hardware who won the Pinnacle Award in 2009 really appreciated how much the residential course helped him. "It can be quite daunting to receive all the course information," he says "But the residential courses give you the knowledge – and more importantly – the confidence to succeed." Neil particularly appreciated how the information is put across on the course, pointing students in the right direction for the course work and exams.

The course I attended was held in February in Birmingham and there were nine students taking part. They came from across England plus one student who had travelled from Dubai to attend. The atmosphere of the course was very informal and friendly and the students came from a variety of roles from warehousing to marketing and only two of them that had ever done any scheduling before. Despite this, by the end of the three days, some firm friendships had been made. This is a key attraction of the residential courses and one that stands students in good stead as their careers progress. Michael Rooney, Gold medallist and Pinnacle award winner in 2007 describes the residential course he attended as "a great place to network and meet other people in the same boat as you."

Barry Robertson from Frelan Hardware who attended this course agrees that it is a great place to meet people and network. "I am looking at this course as a way to progress my career," he says. "This course – along with the Institute meetings I go to – is a great way to meet people who I may come across again in the future."

The various components of the course, both theory and practical, were presented by a variety of tutors which kept everything moving along at a pace with plenty of tutors on hand to circulate and help when the students were paired up to undertake a practical project. For instance, a module on key control from Ian Chapman from ASSA ABLOY was followed by a practical masterkeying exercise where students were asked to produce a simple masterkey suite, helped along by fellow students and tutors. "One of the best bits of any course is seeing that moment when the penny drops!" says GAI Education Manager, Keith Maer. Students are encouraged to interact, and exchange hints and tips.



// It can be **quite daunting** to receive all the course information. But the **residential courses** give you the knowledge – and more importantly – the **confidence to succeed.** //

FOR SUCCESS



One of the students on the course I attended was Steve Green who really appreciated that this Scheduling course was tackling the areas that students worry about the most like scheduling, masterkeying and access control. "This course is just invaluable," he says. "Without it, I would have gone into the exam without a clue about what the examiners wanted because I don't schedule as part of my job. Studying the manuals is all well and good but the course puts everything into place." Steve admits that even though he sees masterkey schedules every day as part of his work, he didn't really appreciate what they entailed – until the course. "Ian explained it to us and gave us a chance to do one ourselves – I feel so much more confident now!"

The heart of this Level Three scheduling course was, of course the scheduling module itself. Andy Fitzgerald is the GAI's Education Committee Chair and he led this part of the course along with former GAI Education Consultant, Dave Martin. "This is very much a lesson in practical scheduling – learning through doing," he says. "This makes scheduling so much less daunting than it might be just by reading the course material."

Even students who schedule every day, like Poonam Shenghami from Farmer Bros and Beardmore, will reap the benefits of a GAI residential course. "I decided to come on this course because some of our bigger clients are now demanding a qualified AI on their jobs," she says. Even though I schedule every day, this course has taught me some good habits and showed me what the GAI examiners are looking for in the exam."

This year the GAI has worked hard to make its Level Three training more flexible, accessible and affordable than ever. It now combines both scheduling and business studies in a three-day syllabus. "We've listened to comments and concluded that separate courses over two weeks are just not conducive to modern working pressures," says Keith Maer. "The new course means less time away from the workplace." Students are still expected to put the hours in with longer days and more intensive study. Of course this new format has made the courses more cost-effective and affordable. If a company has a sufficient number of students completing the Level Three course, the GAI can send a team of trainers into the company to carry out training in-house, tailor made to the students involved.

Of course these impressive results don't only apply to Level Three studies. The GAI also runs three-day courses for levels one and two students,

Sara-Jayne Armstrong, who works for Owlett, sums up the ethos of the course well. "I came on the course with an open mind to learn how to schedule," she says. I was quite nervous but it has not been at all daunting. It's been a supportive and friendly experience, and a great place to learn."



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away from the workplace. **//**



THE NEXT GENERATION

Businesses looking to **bring fresh blood** and new enthusiasm into their business need **look no further** than the apprentice scheme. **Helen Curry** talked to two businesses that can **heartily recommend the scheme** and what it can bring to the table for businesses large and small.

When Allgood CEO Phil Newson looked around the room at the company's sales conference last year, one thing suddenly struck him - the age of the people there. "It suddenly dawned on us that the vast majority of people in the business were 40 plus," says Phil. "And when we advertised a job vacancy, most of the applicants were older too, obviously we do not discriminate by age when looking to employ, but I felt I wanted to bring in some young and raw talent into the business. So we decided that a good way to bring some younger people into Allgood might be through the apprentice scheme."

Allgood HR Manager Janet James worked with HR Administrator Deborah Gaiger to set up an apprentice scheme within Allgood and the two have nothing but enthusiasm for how the scheme has developed. The pair worked with a specialist apprenticeship recruitment company, Hawk Training, to help them screen applicants and have been really impressed with the quality of young people that have been through the process.

Janet James feels apprentices make a huge impact on a business.

"Apprentices bring with them eagerness and enthusiasm and this can have a positive effect on the rest of the workforce. They are from a generation that do not take getting and keeping a job for granted."

The company originally took on two office-based apprentices but that number has now grown to ten across the whole Allgood group. The training programme each apprentice goes on is partly prescribed by the Apprentice Scheme and partly driven by the employing company. For example, every apprentice goes through a course on Employers Rights and Responsibilities so that each one is aware what is expected of them and what they can expect in return. After that they undertake a project on written and spoken communication. "For many of these young people, their apprenticeship is their first taste of the world of work," says Deborah. "So it's important that we get the basics right to enable them to function effectively at work."

After that, the employer can construct a training course to suit the apprentice's role. At Allgood everyone gets a stint in the London estimating office where the Estimating Manager Stewart Lauder and his team give the young people a good grounding in products. "The whole team in Stewart's



Main picture:
Lucas receiving his award from Vic Grimes

Inset picture:
Holly Farrell, Strand Hardware apprentice

department have really bought into this programme," says Janet. "The apprentices have been like a breath of fresh air and everyone has taken great pride in doing their bit in their development."

After this initial induction training, the apprentices continue on a structured training programme tailored to their particular job. The apprentice toolmaker / engineer that Allgood has employed in its Manufacturing facility in the Midlands attends college one day and one evening a week, while those based permanently in the estimating department receive a programme of work-based learning which is audited every month by a visiting assessor.

The apprentice scheme isn't just an option for larger companies though as Janet explains. "Using a specialist recruitment company is totally free of charge for the company recruiting, and I would recommend using one that will do a lot of the leg work in finding, assessing and filtering the right people for your company." Grants of £1500 are now available for companies taking on apprentices to help with the costs of recruitment and training. Apprentices can be paid at the minimum wage although Allgood chooses to be more generous with a structured increase in pay as the individual apprentices complete their apprenticeship programme.

One smaller GAI member company that is also finding real benefits from the apprentice scheme is Walsall-based Strand Hardware. MD Catherine Franks was looking to take on a new member of staff and realised that taking on an apprentice would suit the business well. "We took on a business and administration apprentice to take some of the pressure off the team in the office – and it has worked really well. She has brought a fresh approach and enthusiasm – not to mention her excellent IT skills!" says Catherine.

Strand's apprentice, Holly Farrell, is currently doing her NVQ Level 2 and will be moving on to Level 3 shortly. She is full of enthusiasm for how the scheme has worked for her. "Learning as an apprentice is a different style of learning from a traditional academic course and this has suited me well. The training I've received at Strand has been great and, because it's a small company, I have had an opportunity to work in every part of the business – I am loving it!" says Holly. Like the apprentices at Allgood, Holly is really enjoying learning about hardware. "I've definitely got the ironmongery bug and I'd like to go further in the industry and build a career."

But despite the obvious financial benefits to businesses that take on apprentices, the commitment of training apprentices on the job and giving them a genuine opportunity within the Business shouldn't be underestimated. "It is a big commitment to train and mentor an apprentice," says Deborah. "But if you wanted to recruit and retain the best people, that commitment is worth it."

Two Allgood apprentices - Lucas Singh and Freddie Ironside - have already gone through their 12 month training programme and are now both fully fledged Allgood employees as trainee estimators and administrators. So successful was Lucas's time as an apprentice that he was entered into the Apprenticeship Awards 2012 and was named Highly Commended Intermediate Apprentice of the Year in the London finals.

"I previously went to university and found that this wasn't a choice I was happy with," says Lucas. "I decided to become an Apprentice because I wanted to learn through working for a company and developing my knowledge with the opportunity of progressing through the ranks." Since completing the programme, Lucas has gained an Intermediate Apprenticeship in Business and Administration and completed the first year of the GAI's diploma training programme. Lucas believes that the apprentice programme has given him more confidence in team working, more assurance about dealing with customers and a broader IT knowledge. "Since I started at Allgood, I believe I have become proficient and confident in areas which I previously had little or no experience," says Lucas "I would recommend Apprenticeships because they can help young adults create a future for themselves," says Lucas.

In return, Allgood has gained valuable, young, motivated people who are making a real contribution to the business. "It's amazing what the apprentices have done for the company," says Janet James. "If you're prepared to invest the time and effort into these young people, they will repay you in spades. We feel that we have really achieved something when we see our apprentices succeed – it makes the time and effort really worthwhile."

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TRITECH - the latest product from the renowned SAMSON range is quickly becoming the hinge of choice for Architectural Specifiers.

TriTech hinges incorporate the latest design features to offer a future proof 'fit and forget' product, with a 25 year performance guarantee. The solid brass hinge has high performance maintenance free concealed bearings. Available with CE marked, 60 or 30 minute fire rated options, plus an extensive range of finishes, designer finials and size options.

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OPEN TO ATTACK

The UK doorset and hardware industry has seen many changes to its standards and legislation in the past decade, from durability of products, fire resistance, corrosion, opening forces, anti bacterial finishes to name only a few. However one of the more scrutinised areas for construction products in recent years is the security of doorsets and in particular their resistance to manual attack. **Jason Tonks** from **HOPPE UK** talks to the AIJ about **upcoming changes** to standards in this area.

Many in the UK industry are already aware of PAS (Product Assessment Specification) 24:2007 & A2:2011 (soon to be PAS24:2012) which has been at the heart of security requirements of doorsets and their associated hardware for well over a decade. It gave doorset and systems companies specifics on manual attack on certain considered weak points of the doorset. This has been used extensively by composite and Upvc door manufacturers in particular to gain the necessary security requirements on their doorsets to ensure the consumer has piece of mind that their doorset will stand up to the forces exerted on it in the event of a opportunist burglar attack.

As the "security" conscious message has spread from the UK into Europe and the Middle East, the need to create a European Standard has

arisen and subsequently "EN1627-30" has been introduced recently to give the European community a common theme to address the security requirement.

RESISTANCE CLASSES:

There are 3 resistance classes detailed in EN1627-30 (RC1, RC2 or RC3) that give varying increases in the attack resistance a door needs to withstand and the manual testing is quite rigorous to say the least. Under EN1627-30 there are some additions to the tool list that are not in PAS 24 - such as a nail bar that is 710mm long, a tool that could cause some serious damage to a doorset. This means doorsets that now have to meet security requirements not previously experienced in the UK.

Royde & Tucker has raised the standard for aesthetics in architectural ironmongery with the launch of a new range of decorative finishes on HI-LOAD hinges.

Standard finishes include Antique Brass, Old Bronze, Burnished Nickel, or project specific finishes can be produced using R&T's range of in-house applied finishing processes. These include plating, patinating, powder coated and wet lacquer applications, all of which are available on a stainless steel substrate, ensuring fire certification is not compromised.

This opens up a new realm of bespoke possibilities for specifiers seeking the utmost attention to finish detail.

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RAVEN
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Another change in EN1627-30 is the ability to conduct “pre-tests”. This means the tester has to have attempted every attack scenario using all of the tools from RC3. However, you have to conduct pre-tests prior to the main test and during this pre-test you have to ensure that you have used all the tools for RC3 (And those from RC1 & RC2) and that you have attempted every possible attack scenario, so the use of the nail bar is usually left until the end.

The minimum time to conduct the pre-test should be no less than 3 hours, but there is nothing to say that the testing engineers can take all day to assess the product, or longer to ensure all aspects of possible vulnerability have been explored so this is another potential downside as opposed to PAS24.

All modes of attack where entry is gained shall also be performed in the main test.

LOADING OF DOORSETS:

Note: parallel (side) loads are only applied to RC1 products; PAS24 uses parallel (side) loads on all product types where the hardware/configuration dictates.

PAS24 uses 1.5Kn on side loads,

RC3 does not use side loads,

PAS24 uses 4.5Kn on perpendicular loads, but **RC3** uses 6Kn on

perpendicular loads. **RC3** also applies loads to the corners of the leaf, if further than 300mm from the lock point.

MANUAL TOOLS:

In the ENs the tool list includes pad saw, nail punches, timber / plastic wedges, pipe wrench's, large screwdrivers 365mm (Bigger than PAS24 - only 250mm), allen keys, spanners, hand drill and drill bits, 5" bladed knife, rubber mallet (To simulate use of blows by hand), lock smiths hammer, universal key, hack saw, 710mm nail bar (PAS24 nail bars are 300mm), compass saw, multi-slip gripping pliers, plus string, tape and a torch.

SECURED BY DESIGN:

Basically there are two routes for compliance for SBD,

Route 1

Full PAS23/24.

Route 2

EN1627-30 Resistance class 3 (RC3) + PAS24 A.11 parts 1 & 2 security hardware and cylinder test.

SUMMARY:

Based on the nature of EN1627-30's enhanced requirements on security doorsets, I feel that the UK's chosen route will continue to be PAS24 for the foreseeable future.

Function & Finish



HI-LOAD H207 in SPB, SBB, TSN, PBZ, ABZ, ABR, RBZ, DBZ

Double-Action Pivots &
Emergency Releases

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FREQUENT QUESTIONS: CONCEALED CLOSERS

Q *Where can concealed closers be used? Are they just for residential projects?*

A Although concealed closers are most often associated with domestic doors on apartment entrance doors, they do, in fact, have much wider uses in commercial settings too. In fact a concealed closer can be used on any door with a light to medium traffic flow. If you're unsure contact your supplier but as a rule of thumb they can be used in many of the applications where overhead closers are used.

Q *Can concealed closers be used on fire doors?*

A In short, yes! They can be fitted on 30 and 60 minute fire rated doors but the closer should be CE marked (where applicable) and fire tested in accordance with BSEN 1634-1:2000 and BSEN 1634-1:1999 and it goes without saying that they must conform to the fire test evidence for the door they are fitted on.

Q *Why should I choose a concealed closer above an overhead version?*

A The most obvious reason is aesthetics. Quite simply a concealed closer looks better! As reliable and less prone to damage than overheads, concealed closers are virtually maintenance-free. Of course the issue of cost can't be ignored. A quality concealed closer is extremely competitive against its European-manufactured overhead equivalent.

Q *I'm confused about what size closer to use!*

A This is probably the single most commonly asked question. Just like overhead closers, the size you need depends on the size and weight of the door and where it will be installed – wind force and fire rating

may need to be taken into account, for instance. Bearing in mind the age and ability of the users, it is important for the closer to be "suitable and sufficient" for practical everyday use. Fire safety is vital but safety in use is also important. All the reputable closer companies will be happy to help with calculations and sizing queries.

Q *How reliable are concealed closers and how do I maintain them once they're fitted?*

A Our door closers are all tested to half a million cycles on our own test rigs and we are so confident in their reliability that we offer a ten year guarantee. In fact we have been manufacturing our Gibraltar range for nearly 50 years and we know of several closers that are still operating very successfully after thirty years' use. In terms of maintenance, concealed closers require little or no maintenance. In fact, because they are concealed in the door leaf, they are less likely to be damaged, vandalised or stolen so are more likely to give years of trouble free operation than their overhead counterparts.

Q *What are the UK standards I need to look for with concealed closers?*

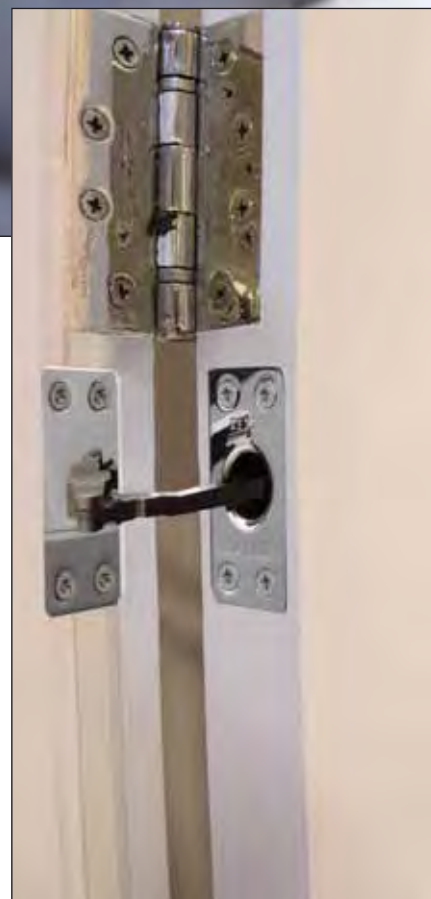
A **EN1634 – 1:** Fire resistance and smoke control tests for door, shutter and, openable window assemblies and elements of building hardware.

BS EN 1154:1997 Building hardware. Controlled door closing devices.

CE Marked under the Construction Products Regulations to EN 1154

Q *If I use a concealed closer does that preclude using other hardware on the hinge edge of the door?*

A No. It is still very possible to use hardware like continuous hinges or finger guards on the hinge edge of the door, even with a concealed closer in place





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DoP IS COMING SOON...AND YOU MUST COMPLY



Paul Duggan, Chairman of the GAI's Technical Committee tells the AIJ about how the **Declaration of Performance (DoP)** will affect door hardware, what manufacturers and distributors need to know, and how the GAI can help them to get ready

As you may be aware, declaration of performance documents will be needed to sell your products where they are covered by a harmonised European standard from the 1st July 2013.

The Construction Products Regulation (CPR) which comes into force on that date gives details on DoPs which will replace your current Manufacturers Declarations - which cannot be used after the 1st of July 2013.

The CE marking should be affixed to all construction products for which the manufacturer is declaring compliance with the regulations, from this a DoP will be produced and will reflect the CE marking requirements.

Remember, from July next year: no DoP, no CE marking.

The CPR states that:

Declaration of performance

When a construction product is covered by a harmonised standard or conforms to a European Technical Assessment which has been issued for it, the manufacturer shall draw up a declaration of performance when such a product is placed on the market.

By drawing up the declaration of performance, the manufacturer shall assume responsibility for the conformity of the construction product with such declared performance. In the absence of objective indications to the contrary, Member States shall presume the declaration of performance drawn up by the manufacturer to be accurate and reliable.

The declaration of performance shall express the performance of construction products in relation to the essential characteristics of those products in accordance with the relevant harmonised technical specifications.

This is not an option. It is mandatory!

You do not have to wait until the 1st of July 2013 to produce a DoP, we would advise starting to look at this now and the GAI technical committee will help and support you to get ready.

Opposite is an example of a DoP from the GAI for door closers. The GAI will have nine DoP templates for hardware products on the members section of their website for members to use. These will be introduced soon under cover of a GAI Technical Update.

Declaration of Performance

CONSTRUCTION PRODUCTS REGULATION 2011
DECLARATION OF PERFORMANCE

Company
logo

No. DoP / DC 001

(DC = door closer and 001 is a ref number) (But this is YOUR own ref details, so can be anything)

- Unique identification code of the product-type:
9151A, 9156A, 9151AFF, 9156AFF door closing devices (Family of door closers or individual products, up to you)
- Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR:
9151A, 9156A, 9151AFF, 9156AFF door closing devices
- Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:
For use on fire and smoke compartmentation doors
- Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):
**Guild of Architectural Ironmongers
BPF House, 6 Bath Place, Rivington Street, London EC2A 3JE.**
- Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):
N/A
- System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:
System 1
- In case of the declaration of performance concerning a construction product covered by a harmonized standard:
EN 1154: 1996: A1: 2002 Notified testing laboratory No.???? performed the type testing and issued test reports.
- European Technical Assessment:
N/A
- Declared performance

Essential characteristics	Performance	Harmonised technical specification
Self closing 5.2.1 General 5.2.2 Durability 5.2.3 Closing moment 5.2.4 Opening moment 5.2.5 Efficiency 5.2.6 Closing time 5.2.7 Angles of operation 5.2.8 Overload performance 5.2.9 Temperature dependence 5.2.10 Fluid leakage 5.2.11 Damage 5.1.12 Latch control 5.1.15 Adjustable closing force 5.1.18 Fire / smoke doors	500,000 test cycles Pass size 2 to 4 Pass size 2 to 4 >50% size 2 >65% size 4 Pass Grade 4, 180° Pass -15°C to +40°C Pass Pass Pass Pass Pass	EN 1154: 1996: A1: 2002
Essential characteristics	Performance	Harmonised technical specification
Durability of Self Closing 5.2.2 Durability 5.2.17.1 corrosion 5.2.17.2 corrosion Dangerous Substances Annex ZA3	500,000 test cycles Grade 3 (96 hours) Pass If a reference to dangerous substances is added in the table ZA.1, the following claim is suggested: Pass: the materials in the hinge do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations (1)	EN 1154: 1996: A1: 2002

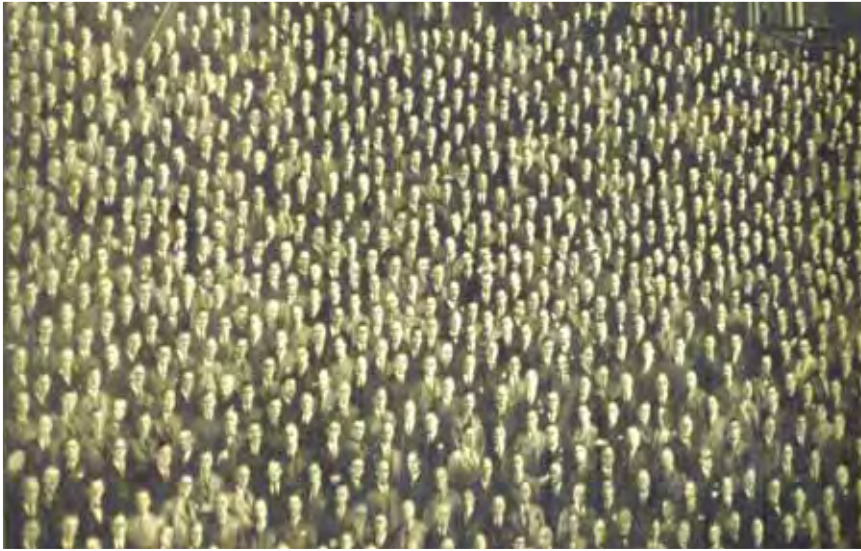
- The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

**This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.
Signed for and on behalf of the manufacturer by:**

Gary Amer
Chief Executive
(Name and function)

Guild of Architectural Ironmongers
BPF House, 6 Bath Place, Rivington Street, London EC2A 3JE.
1st July 2013

(Place and date of issue)



Helen Curry visits **Strand Hardware Ltd**, a British company steeped in history yet competing **very successfully** in today's tough markets.

DO

Just stepping inside Catherine Franks' office at Strand Hardware Ltd in Walsall shows both the history and the future of the company. On the wall is a magnificent picture of the members of the Birmingham Metal Exchange in 1937. Hundreds of august looking gentlemen stare out of the frame, showing what was possibly the most important metal exchange in the world in its heyday. Catherine is proud to point out her grandfather among the crowd. Her family has been iron and coal merchants for many generations, always in the Black Country.

At the same time, the walls also show modern drawings of Strand's latest hardware range, still designed and manufactured locally but very much at the cutting edge and competing strongly in the market here and abroad.

Catherine's route into ironmongery was – like so many others in this trade – a bit circuitous and rather accidental. "My father had been in the trade for years," she recalls. "He worked for Hope Works, a company that specialised in black antique hardware under the Lionheart brand." When the company was taken over by Yale in the late 80s, Catherine's father, Jonathan Franks, took voluntary redundancy and set up Strand Hardware Ltd. At the time Catherine was working as a catering manager after a degree in Hospitality Management but was not especially happy in her career. "My Dad started to worry about

retirement and asked me if I'd be interested in coming to work at Strand," she says. "I knew nothing about ironmongery so I said I would give it six months and after that, we would both reassess." That was thirteen years ago and Catherine is still at Strand, now as MD. Her father is still involved, visiting once or twice a month and attending board meetings.

Ironmongery (or at least iron) was obviously in Catherine's blood because the business is continuing to thrive under her stewardship. Strand is perhaps best known for emergency exit hardware and finger protection, all of which is made either in the EU (Germany and Italy). But window hardware – made locally in Walsall and Willenhall and assembled in-house – is also an important part of the Strand business. Strand is well known in AI circles but also counts merchants and wholesalers amongst its customer base.

Business is good at Strand, something that Catherine puts down to the company's reputation as a centre of knowledge and expertise. "We are not just a call centre and we don't want to be," says Catherine. "We want to be the experts, the best at what we do and customer service is drummed into our staff from day one, even when they come to interview."

A quick straw poll around the AI trade reveals this to be true. Many





THE STRAND

Als say that if they are not sure where to buy something they will ask Strand. And if they don't sell it, they will happily help customers find someone who does! "We are always talking to our customers about what new products they want, making tweaks to existing products," says Catherine.

Nowhere is this more apparent than in the latest addition to the Strand range - Duoflex which represents the way that Strand would very much like to work in the future. "This is not a product we bought off the shelf," explains Catherine. "We designed it and have the components made for us locally then assemble them here - this is very much the way we would like to work in the future - we want to sell our own products that are made here in the Midlands." Duoflex is a range of powder coated or plated folding window openers. What makes them interesting is that they are completely adjustable on site without the need for packers - the ultimate refurb product which is where Strand does a lot of business.

It is this attitude to customer service that makes Strand committed to the GAI training programme with two DipGAIs on board (Mark Essex and Craig Fox) with another (Giancarlo D'Ambrosio) due to start the three year course next year. "We want to be experts, not just in our own products but how they interact with the rest of the door's hardware -

the GAI course gives a great insight into the whole package and that's why we fully endorse it," says Catherine.

One of the areas where Strand works particularly closely with Als is in window gearing for hard-to-reach windows. "Als tend to stick to doors and avoid this part of the spec because it's not in their comfort zone," says Catherine. "We think it's a shame that they are missing out on this business because we are happy to help them write the spec and get as involved as they want us to be, which helps them increase their revenue."

The Strand machine can be slick when it needs to be. The company holds considerable stock levels - even of special finishes - which mean it offers a great delivery service. It is billed as "a guaranteed 2-3 day delivery" but in reality Strand delivers most orders on most items the next working day.

It is perhaps this quietly confident atmosphere at Strand's offices that is the key to the company's success. Business remains on a growth curve despite the tough trading conditions - partly due to new business wins but also firmly planted in established customers, some of whom have been with Strand since Jonathan set up the firm. "We like to think of ourselves as a modern company, with traditional values," says Catherine. It certainly seems to be a winning formula!





FULLY ASS

Hackney
Town Hall E8

London Borough of Hackney

The main lobby doors are particularly impressive



Main picture: The Assembly room has a capacity of over 400

HACKNEY TOWN HALL ASSEMBLY ROOMS

Hurrying past Hackney Town Hall on a dull winter's day you might not dwell on the architectural significance of the building – a typical 1930's municipal council headquarters. But look again. It is, in fact, one of the finest examples of a classic building style, the original design by Lanchester and Lodge still intact - complete with the garden square, walls, trees and much of the original lighting. When additional space was required, the council thankfully avoided unsympathetic remodeling or extensions, constructing a striking new administration building on an adjacent site, so leaving the original Grade II

EMBLEMED



Beautiful art deco details throughout

Town Hall building intact.

Another element that you might not notice is the huge assembly hall suite that occupies the rear third of the building. Under-used for many years, this section of the building has just been renovated, returning the superb art deco interior to its former glory - and providing a considerable potential revenue earner for the council. The completed spaces are large and impressive with the vast majority of the original features saved and renovated. Central to this success was the refurbishment of the huge timber doors and, of course, the bronze ironmongery which was all painstakingly removed and refurbished.

Hackney Town Hall E8

London Borough of Hackney

// The quality of the **original bronze** door furniture was an **absolute joy** to see. To **replace it** with new products would have been **nothing short of criminal** //

Original ironmongery and woodwork has been painstakingly restored



Ironmongery

AI for the project was Windsor-based 3V Architectural Hardware Ltd. Managing Director Chris Taylor explains how they became involved in the project:

"3V have a long-standing relationship with the architects for the refurbishment Hawkins Brown. When they started work on the Town Hall project they approached us to help devise a strategy for the ironmongery package which they saw as a crucial element in the overall scheme." The two companies had a good track record together having worked on the recent refurbishment of Stoke Newington Town Hall a few miles away. 3V had also provided the ironmongery for Hackney's new Town Hall extension building across the road on Hillman Street.

The decision to refurbish the existing ironmongery came early on as Chris explains: "The quality of the original bronze door furniture was an absolute joy to see. To replace it with new products would have been nothing short of criminal. We worked closely with main contractor Osborne and joinery sub-contractor Atlantic Joinery who removed all the ironmongery from about 60 doors and bagged it up for us to collect. We then passed it to Frank Allart in Birmingham who painstakingly cleaned, repaired and polished all the components. These included the large pull handles, push plates and kicking plates, hinges, closers, locks and latches. A few items couldn't be saved and had to be recreated, but the vast majority were in good enough condition to be re-used - only the floor springs were generally replaced. Fortunately we didn't have to comply with Part M, but as a public building we needed to supply the most effective and robust products"

Some of the ancillary areas such as toilets and cloakrooms were completely refitted and incorporated new doors so care had to be taken to match the finish of the new ironmongery with the refurbished components. "We were sourcing products from up to 15 different suppliers so matching the bronze finish was quite tough" explains Chris, "It's not like satin stainless steel, with real bronze you have to take a little trouble to get it right!"

Much of the success of the project came down to the logistics of dealing with the many components as Chris explains. "Although we worked from the architect's schedule, we seemed to make an awful lot of visits to site to collect more and more items that the joiners had removed. Obviously they all had to be carefully identified and recorded as many components – kicking plates particularly – had to be refitted to specific doors."

This was not a typical job for 3V who are part of the German manufacturer Vieler group and normally supply new products on commercial projects. However, they operate as an independent AI in the UK – as demonstrated by this project, employing 8 people at their riverside offices in Old Windsor. They also have a small warehouse – though Chris believes that holding a lot of stock isn't necessary. "A modern Architectural Ironmonger doesn't need a large warehouse", he says, "The manufacturer should keep the product"

Chris himself has a classic AI background, his father worked for Allgood and he followed him into the business joining Elementer in 1986. He was co-founder of Higrade Hardware in 1992, and subsequently formed 3V with John Holmes and Vieler, who's products he had already been successfully distributing in the UK.

Chris describes the Hackney project as "Tricky but incredibly rewarding". "Comparing the quality of those 1930s products with modern components is like chalk and cheese. It's sad to see the quality of modern products continually driven down by price competition so it was a joy to work with these amazing components".

The effort was clearly worthwhile as the care and attention taken on the project is very evident – with the character and quality of 70 year old ironmongery products still – quite literally – shining through.

The ancillary areas were redesigned requiring new doors and ironmongery to match the refurbished products



tyne & wear

ferndale centre



ANTI-LIGATURE HARDWARE FOR PIONEERING CHILDREN'S CENTRE

Laidlaw Solutions' Orbis Anti-ligature range of stainless steel door furniture has been used for both external and internal doors at the £27M Ferndene Children and Young People's Centre in Prudhoe. Ferndene is one of a number of Northumberland Tyne and Wear NHS Foundation Trust projects in which Laidlaw has worked alongside Medical Architecture (MAAP). Bespoke anti-ligature requirements involved the provision of design and technical input until specific performance standards could be met. The range helped to create modern, safe facilities in which the dignity of patients is of paramount importance.



uk

mcdonalds

MCDONALDS SERVES UP TASTY CONTRACT

Customers will appreciate the new entrances to McDonalds as GEZE UK wins the contract to install automatic doors in restaurants as part of a national refurbishment programme.

The contract is the first of its kind for GEZE UK, who will supply automatic swing and sliding doors. Following trials, GEZE UK has been selected to install its compact Slimdrive EMD-F electromechanical drive systems, which can move McDonalds' large and heavy external swing doors easily and with virtually no noise. Later in 2011, GEZE UK's Slimdrive SL operators will be used for sliding doors where space permits.

Part of the Slimdrive range, both operators are just 7cm high so they can be fitted within the framework around the main entrances, as well as being suitable for high footfall and making access easy for all. GEZE's Slimdrive range has been designed and tested to meet the requirements of all relevant standards and regulations, including Building Bulletin 93, Approved Documents B and M, as well as being able to assist with the demands of the Equality Act.



ENGLAND EXPECTS AT FORT NELSON

Originally designed to protect Britain's premier naval dockyard in Portsmouth, Fort Nelson is now open to all visitors thanks to a range of easily accessible automatic entrances.

The glass entrances have been installed as part of a £3.5m redevelopment of the impressive Royal Armouries Museum, and improving the ancient monument's accessibility was a key part of this transformation. GEZE UK installed two circular glass entrances to the visitor centre to reflect the round nature of the new building and the hill fort itself, before installing an unusual glass lobby within the original building's ancient arched entrance.

At the state of the art visitor centre, sustainability and access were important, but the design also needed to suit the subterranean nature of the building. As well as complementing the shape of the new building, GEZE's two circular entrances featuring Slimdrive SCRs, were chosen because they provide a feeling of light and space, maximising the available light within the centre. Suitable for high footfall, the 360° door systems also create a wide space to allow easy access and act as a draft lobby with an integral air curtain, preventing heat loss and gain.

As part of the refurbishment within the older building, GEZE UK specified and installed a bespoke entrance comprising a bi-parting Slimdrive SL sliding door operator, with an energy-efficient Slimdrive SC behind it, creating a small but accessible lobby area in a confined space beneath an archway.



EASTENDERS

Dorgard wireless fire door retainers from the Effects range have been installed at The Royal Foundation of St Katharine in London's East End.

St Katharine's, a charitable foundation dating back to 1147 and enjoying Royal patronage, is situated just minutes from the City and Canary Wharf and provides an unparalleled sense of peaceful seclusion as a venue for meetings, receptions and personal reflection. A spokesperson for St Katharine's said that 'the Dorgards are an excellent solution as they allow us to keep our fire doors open legally and safely. They were easy to fit, and blend in perfectly with the Foundation's interiors.'

The Dorgard Effects range, available in a range of ultra high gloss finishes, including Mahogany, Beech, Oak and Ash devised to blend into a fire door, are designed for the more discerning architectural interiors market to enhance the most sophisticated interior.

Being Great Britain's foremost manufacturer and distributor, Mailboxes GB are always looking for new products to add to our vast range and the newest arrival is our model 2385f Curve.

We felt the 2385f Curve would appeal to designers and architects alike due to its unique aesthetic attributes and the fact that the doors and flaps are available in different colour finishes which makes for a visually pleasing appearance.

Suitable for internal and external use, the model 2385f Curve will brighten up any area they are installed.

Available off the shelf and at low costs, we're sure this new model will be a huge success.

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fife

carnegie leisure centre

SPORT RELIEF

The £18.3 million refurbishment and extension of the Carnegie Leisure Centre involved a complete strip out to the bare shell of a building originally opened in 1905.

Working with Fife Council Asset and Facilities Management Services and main contractor Barr Construction, Laidlaw Solutions supplied 146 laminate-faced and postformed laminate Orbis Timber doorsets to the project. Specific design requirements included the provision of doors with specially moulded panels, together with 14 precision engineered Orbis Steel doorsets.

These have a 50mm thick, reinforced door leaf which provides a fire resistance of up to 120 minutes and a 30dB acoustic performance. Orbis Commercial ironmongery in Satin Stainless Steel was fitted throughout in conjunction with a small number of nylon faced fittings. Internal refitting of doors formed part of a plan which involved taking down of most internal walls, rebuilding of all roofs and construction of a new two-storey steel structure within the outer shell.



exeter

hospital



STANDING THE TEST OF TIME

Specified over 20 years ago the Royal Devon & Exeter Hospital is a good example of how correct specification and quality products can provide true best value – especially in an environment as challenging as a major hospital.

The first phase of the new hospital was completed in 1992, by main contractor Costain Construction, with the DORMA products supplied via Parker, Winder and Achurch. The specification included DORMA TS83 EN2-6 Delayed Action and Backcheck overhead door closers, TS73EMF Electro-magnetic Hold Open Closers and BTS80EMB Electro-magnetic hold open floor springs.

Some 20 years on from their installation, the original DORMA products supplied are continuing to function fully and correctly on the original doors, a testament indeed to the reliability and endurance of DORMA products.

In fact, all of the products supplied to the Royal Devon and Exeter Hospital twenty years ago are still being supplied to hospitals being built today. All are CE Marked and Certifire Approved, and they also enable door sets to meet the requirements of ADM and BS8300.

hampshire

treloar school & college

ACCESS ALL AREAS

A collaborative partnership approach between contractor and supplier is literally opening doors for young people in wheelchairs at a specialist School and College in Hampshire.

Osborne, a leader in the education building sector, asked GEZE UK to help create a bespoke access solution for Treloar School and College in Hampshire, which caters for residential and day students from the age of 7 to 25 with a range of physical disabilities and associated learning difficulties.

The new £20million national centre of excellence needed to be secure, and it clearly needed to be highly accessible in accordance with the Equality Act, but the developers wanted to go even further. When looking at controlled access solutions which used swipe cards to authorise entry, Osborne and GEZE UK recognised that many of the college's wheelchair-bound students were in fact swifter around campus than their peers and that this standard system would hamper their ability to get around quickly. It was decided that each wheelchair would be fitted with a proximity tag, which would open doors throughout the campus as the student approached, reducing the need for them to stop at entrances.

GEZE UK's Slimdrive SF operators were integrated with a special access control system, which meant that the proximity tags would pre-trigger the radar on each automatic door, ensuring it opened in time. Able-bodied users would continue to use a regular swipe tag system. Folding doors were chosen to maximise the opening width of each entrance, essential for busy areas.



■ 3-POINT LOCKING PANIC BOLT

NEW 3-POINT SECURITY

Securefast is launching a new 3-Point Locking Panic Bolt, the SED 912. Complementing its traditional range, of panic and emergency exit hardware, the introduction of the three point locking option has been driven by customer requests for a product that provides increased security, whilst

retaining the features, functions and quality associated with existing products.

Ideal for single door applications, the new SED 912 three point panic bolt has been certified to EN1125: 2008, CE Marked for safety and fire tested for use on timber and steel doors. The new product has also successfully undergone 240-hour salt spray testing, making it an ideal emergency exit solution for humid environments such as health spas, sport centres and indoor pool facilities. Where external entry points are

required, Securefast's Outside Access Devices offer a choice of either lever or knob options.

The SED912 3-Point Panic Bolt has been designed for simple and straightforward universal fitting for either left or right hand doors.



■ QUIETER SLIDING DOOR OPERATOR

SHHH! GEZE UK'S SLIDING DOOR IS EVEN QUIETER

GEZE UK's the Slimdrive SL NT automatic sliding door operator is quieter, stronger and even more versatile than before.

Launched in response to demand from architects and specifiers for an even quieter yet aesthetically-pleasing operator that can carry heavier doors and be more adaptable to variants in finished floor levels, the Slimdrive SL NT automatic door is the latest innovative addition to GEZE UK's popular range of Slimdrive operators, which are just 7cm high.

The new model is also capable of carrying door leaves of up to 125kg and the new roller carriage enables much greater adjustment for easier installation and a better fit. Combined with its even quieter operation, the Slimdrive SL NT is ideal for a wide range of commercial, retail and leisure environments.



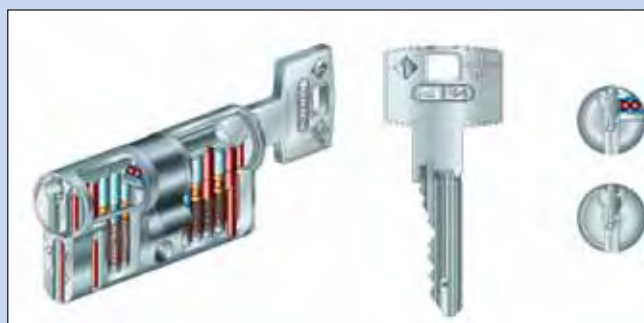
■ INTELLIGENT MECHANICAL KEY SYSTEM

INTELLIGENT LOCKING FROM ABUS

ABUS Pfaffenhain is launching Y14 Deltus - a new mechanical key system with the innovative 'Deltus Intellitec' system - maximising picking protection and ensuring the key simply cannot be copied by non authorised key cutters.

The Y14 Deltus system is available in 5 or 6 pins featuring a curved precision profile - like the existing Y system - which offers an optimal picking protection and increased key stability. The new unique feature is the new ABUS Deltus Intellitec system.

Inside the cylinder there is the Deltus Intellitec detector. This detector responds to the geometry of the Deltus Intellitec pin at the key tip. The cylinder can only be operated when an authorised key is used. If a key is not equipped with the appropriate Deltus Intellitec pin, it cannot be inserted completely along the key channel and the locking process is blocked. Because of this, the new lock provides extremely high picking and key copy protection.



■ STYLISH WINDOW OPENER

STRAND OPENS NEW OPPORTUNITIES

Strand Hardware has introduced DUOFLEX to its DFINE range of products. Designed and manufactured in the UK, DUOFLEX® is a stylish contemporary window opener for top hung, open out windows.

The aesthetically pleasing design, combined with the flexibility of different plated finishes and choice of RAL colours - means that the DUOFLEX can complement any building scheme. Unlike other openers on the market DUOFLEX is adjustable which not only contributes to the aesthetics of the opener by eliminating the need for packers, but also makes it easier to fit and specify.

DUOFLEX- is available in 3 options to accommodate different window materials: Recessed for Timber frames, Flush for Timber, Aluminium or Steel frames and Stepped for PVCu frames.

The single opener suits sash widths up to 600MM and the modular design of the DUOFLEX® means that the double opener can accommodate sash widths of 600MM- 900MM and the triple opener can accommodate sash widths of 900MM - 1500MM.



■ REMOTE SYSTEM FOR CYLINDER RANGE

NEW PRODUCTS CLIQ WITH ASSA

ASSA has launched the CLIQ Remote system its CLIQ electromechanical cylinder range

Using a patented sidebar mechanism allowing billions of usable differs, CLIQ Remote is designed for larger masterkey suites, remote sites and companies with a geographical spread of operations.

Enabling the commissioning, programming and full administration of security management centrally via web-based

software, the system often eliminates the need to service and monitor locks on site.

Providing users with remote access to a building, regardless of location, through a secure web connection, the system from ASSA has the functionality to create time defined user keys, allowing access for a specified period of time – a useful feature for engineers or contractors who need access outside of normal working hours.

Utilising ASSA's high security dp technology and masterkey suites, users can create cost effective systems with up to three levels of security, plus the patent provided by ASSA dp masterkey system adds a further level of physical protection.



■ CE MARKED TRANSOM CLOSERS

ON YOUR MARKS

DORMA's RTS 85 Transom Closers are now CE Mark accredited. The product has always carried successful Independent Third Party Type Testing to BS EN 1154 (the harmonised European Standard for Controlled Door Closing Devices) but now its CE Marking enables suppliers and installers of the RTS 85 to demonstrate its compliance with the Construction Products Regulations and UK Building Regulation.

Available in sizes EN3, EN4 and EN5, the RTS 85 is suitable for doors up to 1250mm wide. As it also includes a mechanical backcheck which cushions the door on opening at 90 degrees, this reduces potential damage to the door and its surroundings to further enhance long term performance and eliminate unnecessary wear and tear that would otherwise be incurred.

A full range of accessories are also available, including side load, end load and Anti-Finger Trap Arms along with Adjustable Floor and Threshold Pivots and are all included within the Test Certification.



■ ANTI-BARRICADE DOOR

ANTI – BARRICADE DOOR SYSTEM

The Dual Way Anti – Barricade Door System, designed and manufactured by Cooke Brothers, is a purpose made doorset solution designed to address the needs of today's challenging mental health and custodial environments. It provides unrestricted and immediate access into a room in a situation where a patient has barricaded themselves in.

Suitable for either new build or for retrofit applications where individual doorsets are required within an existing facility, The Dual Way system utilises a frame within a frame principal, allowing for a standard 44mm or 54mm doorset to be mounted within a secondary high security steel outer frame.

In everyday use the standard inward opening doorset operates as a normal door, providing full 90-degree access using a purpose designed full height Anti-ligature continuous hinge. The outer frame preformed steel frame provides rigid support and security by means of heavy duty purpose design mechanical hook bolt locking or with the option of an electronically powered locking system.

In an emergency or barricaded door situation the doors and inner frame can be quickly released enabling the complete doorset to swing outwards allowing access into the room. Access is achieved by releasing the dual hook locks mortised into the outer frame and operated by unique security profile keys.

The Dual Way Anti-barricade system has been designed to suit the majority of standard 44mm and 54mm doorsets, including both FD30S AND FD60S options where required. It incorporates Interleaf continuous hinges, which incorporate anti-ligature end tips and provides a minimal gap between the door and frame. The full height continuous hinges provide even weight distribution and substantially increased strength over pivoted doorsets, eliminating the potential for splitting under impact or during abuse.



■ TIMESAVING MASTERKEY SYSTEM

UNION'S SUB-ASSEMBLY PROVES POPULAR

UNION's self-assembly version of its keyULTRA™ masterkey system, only requiring pinning to complete the system, provides significant timesaving benefits to UNION customers, and makes the masterkey system easy to use and more accessible.

The product also boasts enhanced features including the highest key related security, as per BS EN 1303:2005, along with resistance to bumping, drilling, picking and plug extraction. KeyULTRA™ is also approved for use on 60-minute fire doors in accordance with BS EN 1634-1.

KeyULTRA™ is made to be strong and durable, utilising self-lubricating materials, and has been successfully tested to over half a million cycles, guaranteeing performance. The system employs a strong durable key, with an easy to grip, oversized key bow to facilitate product use.





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AIJ is published by: The Guild of Architectural Ironmongers, BPF House, 6 Bath Place, Rivington Street, London EC2A 3JE. Telephone: 020 7457 5000. Website: www.gai.org.uk Although this magazine is the official publication of the Guild of Architectural Ironmongers, claims and opinions expressed by contributors and advertisers do not necessarily reflect the official view of the GAI. Copyright The Guild of Architectural Ironmongers 2007 ISSN 0959-986X



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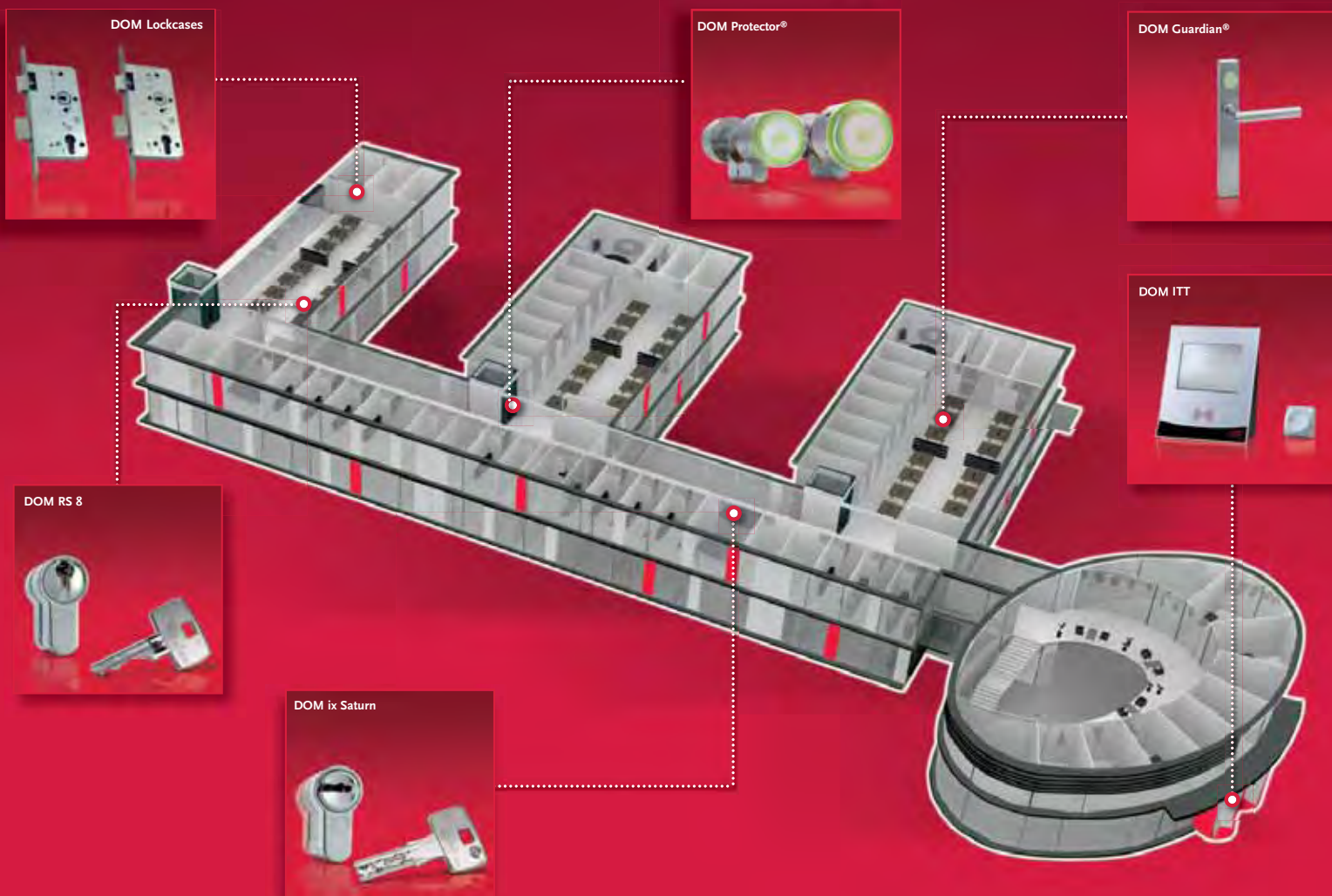
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Copy date for the next issue is
20 JANUARY 2013.

All adverts are accepted subject to approval from a Technical Approval Committee



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