



architectural
ironmongery
journal

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advancing architectural ironmongery



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Briton



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NEED TO GET IN TOUCH?

For all **editorial, advertising** or **production queries** see our **contacts box** on **page 35** (inside back cover) of this issue.

It is always a tonic to attend the GAI annual Education Awards Lunch. Not just for the chance to meet friends and colleagues from the industry, but to get a real sense of optimism from seeing this year's crop of students collect their Diplomas.

They are a diverse bunch in general. Men and women. Those at the start of their careers and those with a few years under their belts. AIs and manufacturers. From the UK and far beyond. One thing they all have in common is their drive and desire to learn, to develop themselves and their careers and to succeed. It is a heartening sight and I'd like to extend my congratulations to them all.

This year's Pinnacle Award winner – the prize awarded to the most successful student over the whole three years of the course – is a case in point. Mrs Ahlam Al-Sharo had a rather eventful year. Not only scooping this top award, but doing so while heavily pregnant with twin girls! Her enthusiasm for learning is infectious and her drive very apparent. Inspirational!

That's the mark of the AI trade though. A passion for learning and a real commitment to improving standards. Something of which the whole industry can be rightly proud.



Helen Curry



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industry news

DORMA launches BIM range...GEZE goes green...ASSA ABLOY Test Lab update

GEZE GOES GREEN

GEZE UK has demonstrated its green credentials by achieving ISO 14001, the world's most recognised environmental management standard. To achieve it, organisations need to measure their impact on the environment and set goals to improve their performance. Among the demanding targets GEZE UK set itself were to reduce the average emissions of company cars and to reduce paper usage year on year.

GEZE UK has introduced a fleet of new more environmentally friendly cars for its sales team and to date the company car emissions have reduced to 139.4. The target is to reduce this by a further 5% by June 2014.

The introduction of pdas for service engineers has significantly reduced paper consumption. It also ensures engineers have up to date information about a customer's premises and the products which are installed, ensuring better customer service. Doing more day to day business, including invoicing, by email means GEZE is confident that it will hit the 10% reduction target.

Added to this the company is having a concerted effort to improve its recycling at its Lichfield based factory and Head Office.



DORMA PRODUCES FULL PRODUCT RANGE IN BIM

DORMA has launched a wide range of its products as Building Information Modelling (BIM) objects. All DORMA objects are free to download at www.dorma-uk.co.uk and the Bimstore Library, which will make identifying the most suitable product for each project specification a simple and efficient process.

DORMA's objects will be available in user friendly Revit format and will be Industry Foundation Classes (IFC) and COBie compatible.

As part of a Government initiative, by 2016 all publicly funded buildings will require fully collaborative level 2, 3D BIM. Prototyping the project in BIM will help to improve efficiency as the architect and specifier will be able to identify potential clashes within the design before they get to site. As such, this information can also be passed onto the building's future owner or maintenance provider, so that all products can be clearly identifiable and highlight when servicing is required.

DORMA's range of BIM objects will help customers to meet Government building requirements, as well as prepare for the future, with valuable information being transferred from a building's conception to its ultimate owner.

TEST LAB RECEIVES LATEST ACCREDITATION

UKAS has updated the ASSA ABLOY Test Lab's accreditation schedule to include the latest PAS 24:2012 standards and new issue of EN12320. This update enables the independent facility to test to the latest industry standards that will be crucial for its customers to remain competitive and relevant for a variety of specifications.

The updates to PAS24: 2012, which have been running in parallel to the old issue since August 2012, will see the lab now offer testing for enhanced security performance requirements for external doorsets and windows on a variety of dwellings and applications.

In addition the lab is also able to test to the new issue of EN12320, which provides best practice guidelines for padlocks and padlock fittings.

Ian Bridge, Chief Engineer at the ASSA ABLOY Test Lab, said: "The smallest of changes in a standard's requirements can significantly impact on the testing procedures, it is therefore important that we stay ahead of the game, continually adapting our rigs and methods to suit the industry needs."

The ASSA ABLOY performance testing laboratory offers over 160 individual testing criteria across 13 product categories. Comprehensive reports and sample photography are supplied to all clients.



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industry news

Investment at Cooke Brothers...GEZE technical addition...Allegion launch

GEZE TECHNICAL APPOINTMENT BRINGS CUSTOMER BENEFITS

GEZE UK has appointed a new Technical Manager, Paul Carroll who has been with GEZE since 2002, where he started in the design team. He will be responsible for the technical specification of products and support of internal departments and his team will become the information hub which supports GEZE's project managers and the sales and service.

Paul commented: "By ensuring all product related information is in one team, GEZE can ensure that this information is shared with our customers in the most appropriate ways."



Paul Carroll

NEW FUTURE FOR INGERSOLL RAND

Allegion, a leading global provider of security products has been launched globally as a standalone, publicly-traded company following its spinoff from Ingersoll Rand. The \$2 billion-a-year company will be headquartered in Ireland, with regional corporate centres in America, Belgium and China.

"For more than a century, we have been pioneers in developing products that help keep people safe where they live, work and visit," said Dave Petratis, Allegion chairman, president and CEO. "This is an opportunity to carry forward the best of Allegion's heritage, expertise and entrepreneurial roots while becoming bolder at capitalising on major trends in commercial and residential security. As a global enterprise, we will continue to lead the industry in defining and raising the standards for safety and security everywhere."

Allegion provides mechanical and electronic security products and solutions for homes and businesses in more than 120 countries. It sells products under 23 brands and specialises in security around the doorway and beyond – from residential and commercial locks, door closers and panic exit devices to access control systems and workforce productivity systems.

With more than 7,600 global employees across sales, production and distribution facilities worldwide, Allegion plans to add 300 jobs in various locations. The company intends to selectively pursue strategic acquisitions that complement and enhance its existing business, while investing in research and development and product development.

Tim Saunders



COOKE BROTHERS INVESTS

Cooke Brothers has announced a major investment in both capital equipment and recruitment with the appointment of two technical sales professionals, coupled with a substantial investment in the latest Laser Punch Press technology and precision Press Bending Equipment.

Cooke Brothers has purchased a new Trumpf TruMatic 6000 Laser Punch Press and the latest Trumpf 5000 series TruBend Press-Brake. The investment in the latest state-of-the-art equipment is designed to provide enhanced capability to the company's range of Laser punch press, machining, presswork, tool making, 3D CAD design, development and in-house testing facilities.

To introduce and develop the company's range of technical services to customers, the sales team has recently been strengthened with the appointment of two important new positions; industry experienced professional Tim Saunders DipGAI has been appointed as Specification Sales Executive and Rajan Sudera, who holds a first class honours degree in engineering design and manufacturing processes has joined the company as a Technical Sales Engineer.

Having gained his specification experience and product knowledge over many years of working in a similar role for major Architectural Ironmongery companies, Tim's primary role will be to proactively develop the company's customer base and product portfolio through liaison with main contractors, project managers, Architects, doorset and joinery manufacturers and Architectural Ironmongers.

HARBINE WELCOMES MARK CORLICK TO THE EXTERNAL SALES TEAM

Mark has had a long and impressive career within the Architectural Ironmongery Industry joining Travis & Arnold on the trade counter in 1986 straight from school. Mark continues his passion for quality products and detailed specification within Harbine working within London and the South East.

Mark has been instrumental in securing many notable projects including Hepworth Gallery – Wakefield with David Chipperfield Architects, One New Change – London with Sidell Gibson Architects and the Prestigious Bulgari Hotel and Residencies – London with Squire and Partners Architects.

PHIL NEWSON

The whole of the AI trade was shaken recently by the news of the untimely death of Phil Newson, CEO of Allgood plc and the immediate past President of the GAI at the age of just 48.

Phil was a passionate life-long ironmonger after joining Yannedis at 18. He often joked that at that time he had no idea what an architectural ironmonger was but that soon changed and he went on to have an illustrious career in the trade. He spent thirteen years at Yannedis, followed by a short stint running his own business, before returning to the Yannedis fold. He joined Allgood in 2004 as Sales Director, becoming MD there in 2006, and subsequently CEO. Phil was rightly proud of his achievements at Allgood particularly its reputation as a high quality, customer service lead organisation. At the time of his death, Phil was embarking on implementing plans for the 2014 trading year which Allgood will follow through and deliver in his honour.

Throughout his time in the industry, Phil has been involved with the GAI, serving two stints on the Executive Committee and being a big supporter of the education programme and the Institute of Architectural Ironmongers. He was a DipGAI and supported many of his own staff to become the same. He was a popular and successful President of the GAI from 2010 to 2012.

Phil was passionate about the AI industry and committed to the GAI. He was a tremendously popular figure at industry events, always generous with his time and knowledge, especially to those new to the trade. Not only was Phil an inspirational leader of people but he was a good and decent man who will be truly and sadly missed by everyone that knew him.



JONATHAN FRANKS

The architectural ironmongery industry lost one of its true gentlemen earlier this year when Jonathan Franks died aged 70.

On leaving Bloxham School at 18 Jonathan was offered a job in Newcastle but his Uncle persuaded him to stay in Walsall and join him at the family business – Hope Works Ltd. Hope Works was famed for its 'Lionheart' brand of black antique ironmongery which was made in the heart of the 'metal-bashing' Black Country. He worked his way up through the Company and became Marketing Director with the added responsibility for Export. During his working life he travelled widely visiting many countries and one of his favourites was Barbados where he said he mastered the art of "cramming half a day's work into a 2 week trip!"

When Hope Works was sold to Yale in the early 90s Jonathan decided to part company and set up on his own as Strand Hardware. He employed several of the best employees from Hope Works; many of whom still work at Strand today. Jonathan's middle daughter Catherine took over the reins at Strand Hardware when Jonathan retired and the business still operates based on the strong morals, integrity and excellent customer service that Jonathan built the business on.



NORMAN COOKE

Cooke Brothers has announced the death in July of their president Norman Cooke at the age of 95.

Norman joined the company in 1945 as the third generation of Cookes to take over the running of the family business, which by then had already been trading for over 70 years. Although well established as brass founders making cabinet hinges, the business needed modernising, and as a qualified accountant and natural engineer Norman had the vision to do that. At the start of the 1960's he relocated the business from the old Victorian premises in central Birmingham to a modern purpose built factory in Aldridge. This has remained the head office and main manufacturing base from where his sons David and Philip, and 5th generation grandson Tim Cooke, continue to run the business.

In Cooke Brothers he leaves a legacy of a successful hardware manufacturer that has embraced the increasingly complex requirements for product certification by making the leap from its Phoenix branded cabinet products to the high quality, world class range of architectural hinges & hardware of today.

Although progressively retired from his MD, Chairman and finally President roles, he kept himself closely involved with the business, attaching great importance to ensuring the customers' needs were met in full.



gai matters

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

aijdiary dates

ON NOW

☛ The RIBA President's Medals Student Awards 2013

Date: 5th December 2013 – 29th January 2014

Venue: Gallery Two, RIBA, 66 Portland Place, London W1B 1AD

Description: This is an exhibition of selected student work from 300 schools of architecture in over 60 countries invited to nominate entries for the RIBA President's Medals.

FEBRUARY 2014

☛ Surface Design Show

Date: 4th – 6th February 2014

Venue: Business Design Centre, 52 Upper Street, London

Description: The Surface Design Show is the only event in the UK focusing exclusively on interior and exterior surfaces.

☛ IAI AGM & DINNER

Date: Saturday 22nd February 2014

Venue: The Imperial Hotel, Torquay, Devon

Description: The formal business of the IAI AGM followed by dinner and live music in the evening.

MARCH 2014

☛ Ecobuild

Date: Tuesday 4th – Thursday 6th March 2014

Venue: ExCel, London

Description: Ecobuild 2014, the world's leading event for sustainable design, energy and the build environment



EVERYONE'S A WINNER AT GAI EVENT

This year's Guild of Architectural Ironmongers (GAI) Education Awards Lunch, sponsored by Laidlaw Interiors Group, was a sell-out success - testimony to how highly the event is valued in the trade. Diplomas were presented to the successful Level 3 students, and the top prizes handed out in a ceremony held in London's Mayfair on 6 November. The headline accolade, the Pinnacle Award, sponsored by ASSA ABLOY, was awarded to Dubai based Ahlam Al-Sharo who works for GEZE Middle East.

The Pinnacle Award, presented to the student with the best aggregate score over the three years of the education programme went to Mrs Al-Sharo, who is Project Development & Specifications Manager for door closer manufacturer GEZE Middle East. Although she was unable to attend the event she spoke to the 300+ gathering by video. The Pinnacle Award is part of the GAI's ongoing commitment to excellence in education and training in the architectural ironmongery trade. The prize is a substantial travel voucher.

The event's guest speaker was John Inverdale, the BBC's face of major sporting events and veteran of many Olympics, world cups, Wimbledons and British Opens, and former Sony Broadcaster and Radio Personality of the Year.

The event's sponsor, Laidlaw Interiors Group, places great importance on education and training and has put many students through the GAI education programme from across the business. This commitment has now been crystallised in the sponsorship, for two years, of the GAI Education Awards Lunch, regularly cited as the premier networking business event in the ironmongery trade.





The 2013 prize winners were:
Pinnacle Award: Ahlam Al-Sharo,
GEZE Middle East

Level Three:

Gold Medal: Stuart Courcoux,
Abloy UK

Silver Medal: Ahlam Al-Sharo,
GEZE Middle East

Bronze Medal: Manoj KP,
Building Supplies & Services

Level Two:

1st: Paul White,
PW Fasteners and Building Supplies

Level One:

1st: Christine Hunter,
WT Lynn Ltd



Above left: Diploma winning students at the GAI Education Awards Lunch
Left: Gary Amer, Chief Executive GAI
Below far left: The scene at the Marriott Hotel, Mayfair
Below left: Gold Medal Winner Stuart Courcoux with John Inverdale (*left*) and John Jefferies, President GAI
Below right: David Wigglesworth

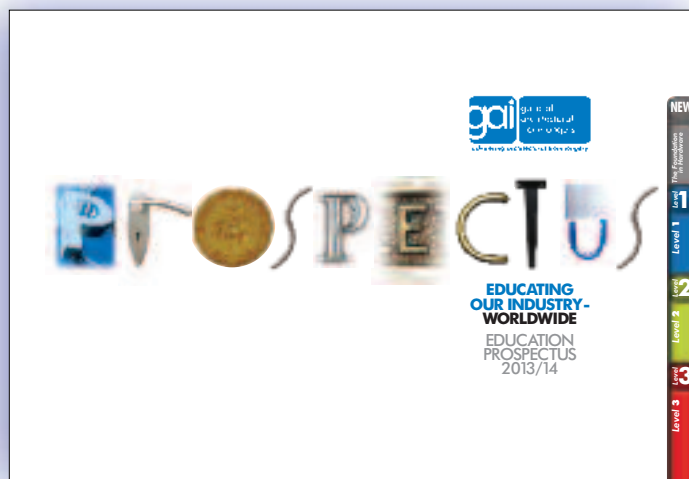


gai matters

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



// The Diploma is the only recognised programme in Europe that leads to a qualification in ironmongery specification... //



EDUCATION, EDUCATION, EDUCATION

The GAI business is ably assisted by four committees, Marketing, Technical, Education and Institute, manned by volunteers who examine and steer areas of the policy, strategy and tactics of the GAI's activities. In this issue we highlight one of those committees' work; this time it's the turn of Education.

The Education Committee runs like a well oiled machine. Fronting a massive effort by GAI staff, students, markers, lecturers, students' managers and invigilators that make the GAI's education programme run smoothly and successfully. It meets four times a year to set policy and strategy for the GAI's all-important education programme and the army of 70+ volunteers who contribute to make it all come to fruition.

The GAI's education offering is unique. At the heart of that offering is the GAI Diploma - an in-depth course that takes students through a three year course of practical, real-life training and education which will qualify them, at the end of three years, in all aspects of hardware, including scheduling. "The Diploma is the only recognised programme in Europe that leads to a qualification in ironmongery specification," says the GAI's Education Manager Keith Maer. "And it is respected and admired not only in our own trade in the UK but among specifiers, contractors and clients alike across the world. No other scheme offers such a broad knowledge and understanding of ironmongery, leading to the most recognised qualification in the industry. The GAI is very proud of its record of preparing so many students for a career in architectural ironmongery for over 50 years," says Keith. This year 49 students from around the globe successfully received their Diploma - in fact the GAI awarded a diploma to a student in China for the first time.

Setting the policies for this enormous effort is, of course, the key task of the Education Committee as it provides direction to the education team at Head Office. The tasks work on a seasonal rotation - enrolling students, collecting and marking coursework, setting exams, running courses, overseeing exams, marking, publishing results, organising resits and finally, awarding successful candidates.

There are ten members of the Education Committee at any one time working with GAI Chief Executive Gary Amer, Keith Maer GAI Education Manager and the organisation's Training and Development Officer, Shalini Tharmabalan. This team oversees various sub-committees and working parties and sets the tone for the whole programme. A key sub-committee is the Exam Committee, chaired by Häfele's Mike Kelly for the last ten years. This committee meets regularly throughout quarter one of every year to set exams and galvanise the team of markers who come into their own in the summer after the exams take place.

"The Education Committee, working to our Performance Plan, acts as a strategic overview for this process," says Keith. "Many members of that committee also double as volunteers but they are only the tip of the iceberg in terms of the effort that goes into making the programme work."

One thing that the Education Committee has learned is that change is always inevitable. Most recently this constant evolution of the GAI's education programme has been crystallised in a root and branch Education Review by a sub-committee made up of members of the Education, Institute and Executive committees. The full outcome of this review is yet to be fully finalised but one aspect is already live - the new Foundation in Hardware module. The new module - with online learning and examination so it can be completed at any pace - is aimed at anyone who wants to get a basic grasp of door hardware quickly, simply and at an attractive cost.

The new GAI Foundation in Hardware module

The new GAI Foundation module is aimed at those who do not deal with hardware all day, every day in their line of work but do require a working knowledge of the subject - so it is perfect for builders merchants, locksmiths, office support staff at architectural ironmongers or anyone who simply wants to gain a positive but basic knowledge about door hardware.

Briton

2820 Series floor springs



The new Briton 2820 Series floor springs from Allegion are now available. As you would expect from a Briton door control, the 2820 Series offers exceptional levels of performance and durability.

- CE marked and fully compliant with EN 1154
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GETTING TO GRIPS WITH DOOR HARDWARE

The GAI has introduced an innovative new development in its respected education portfolio: the Foundation in Hardware module. The new module – with online learning and examination so it can be completed at any pace – is aimed at anyone who wants to get a basic grasp of door hardware quickly, simply and at an attractive cost.

The new GAI Foundation module is aimed at those who do not deal with hardware all day, every day in their line of work but do require a working knowledge of the subject - so it is perfect for builders merchants, locksmiths, office support staff at architectural ironmongers or anyone who simply wants to gain a positive but basic knowledge about door hardware.

The course comprises twelve sections with 'test yourself' questions at the end of each. It is

intended to provide an insight into many of the aspects of architectural hardware, including hinges, closers, locks and furniture. There are also sections dealing with fire doors, escape hardware and a brief insight into the legislation surrounding all of these products. It is taken entirely online and includes an end of module exam. Success in this exam provides a Certificate of Competence in 'The Foundation in Hardware'. Candidates can take as much or little time as they wish to complete the course and take the exam, and can fit studying around their work easily.

"The module has been designed for those who don't live and breathe ironmongery as their day-to-day job," says GAI Education Manager Keith Maer. "It will give users a basic, realistic understanding of products that hang, close, lock,

and then furnish a door, as well as information of fire and escape doors."

The new module is part of the organisation's ongoing commitment to improving, progressing and upholding the highest possible standards of knowledge, practice and competence in door hardware. "Door hardware plays a vital role in every single building," says Keith Maer. "Doors and their fittings are some of the few moving parts in any building and help toward the smooth passage of people in, out and around it. Part of this movement of people relates to both fire safety and accessibility for all concerned, including those who may be less able. With regards to fire safety, it could be literally a matter of life and death if incorrect fittings are specified, supplied and fitted."

SITE FOR SORE EYES

The GAI has launched a new website that represents a real portal into the GAI organisation and offers members valuable, technical, legislative, legal and educational information at the click of a mouse.

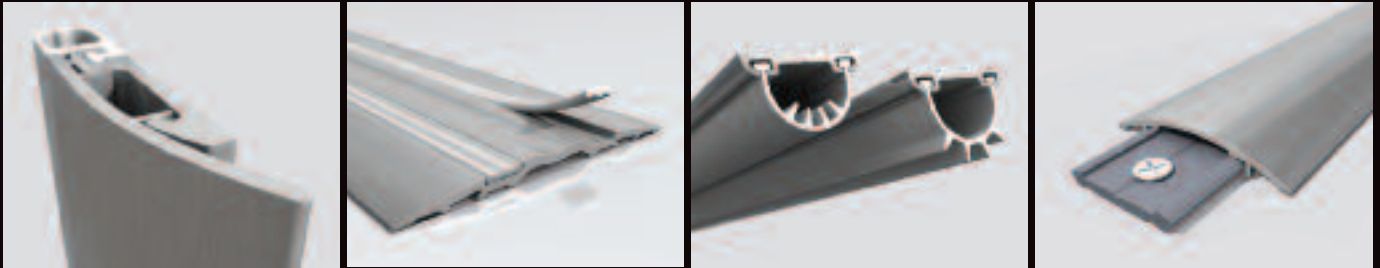
All the practical information is there with the emphasis on ease of use and minimum click throughs to reach the section needed. The site also features a section for the Institute of Architectural Ironmongers, the individual membership section of the organisation which runs a thriving regional network of meetings, training and social events.

The site has also been given a fresh new look with easy to navigate sections and in overhauling the website, the GAI has made gai.org.uk a point of reference for its members. Users can find their nearest ironmonger using a Locator function. Members can access the GAI's wealth of technical information and expertise with FAQs, Technical Bulletins, technical features and helpline service.

Gary Amer, GAI Chief Executive says "We have spent some time on developing our new site. This is our shop window and an important point of reference for our members. We've complemented this by formalising our e-bulletin to members as well which will have links to the website. Overall I believe the membership and other users will have a far friendlier and accessible experience".



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key issues

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



advancing architectural ironmongery

CHIEF EXECUTIVE'S REPORT

Like any other organisation the GAI sets goals for the business year (in our case March to April). At headline level we set out to identify key issues for the GAI/IAI business, and its members, and determine delivery plans of appropriate activity under the following objectives:

- delivering member value
- global brand development
- delivering clarity of regulation changes
- promotion of the education programme
- promotion of the IAI

2013 has been a very challenging year as we strive to maintain our service to members and at the same time introduce new innovations or solutions to regulatory changes. Every issue has a Key Issue Plan (KIP) which is managed by the GAI Marketing Committee in conjunction with the Head Office team and our outsourced PR support through Foundation PR.

This article provides an opportunity to highlight some of the more significant initiatives this past 9 months, which are over and above our "business as usual" agenda:

Key events of 2013:

February – IAI AGM & Dinner

March – Specification Awards Lunch

May – GAI AGM & Conference

November – Education Awards Lunch

November – IAI GCC Branch launch

The Construction Products Regulation

In anticipation of its introduction on 1 July 2013, Paul Duggan, the GAI Technical Committee Chairman and, in particular, Jacky Sinclair (GAI Technical Consultant) worked strenuously on producing the Declaration of Performance templates for use by our members.

These were made available to members on a special micro-site and were supported by a series of "Guides to the CPR". Feedback has been extremely positive towards this membership service and substantial use has been made of the GAI Technical Helpline service provided by Jacky Sinclair.

Jacky was also pivotal in representing us with the Construction Products Association (CPA) who established a Primary Authority Agreement with Trading Standards to allow the acceptance of electronic DoPs.

Another crucial piece of work.

The Foundation in Hardware

At the time of writing this exciting new online module is about to be launched both in the UK and overseas.

It represents a major investment by the GAI and is an online aid designed to raise knowledge and standards among those who don't work with ironmongery as their day to day job.

Please watch out for the marketing material and advert in this publication. It promises to provide a simple and cost effective solution to personal development needs.



New IAI GCC Branch – Dubai



Manager of HÄFELE Middle East.

The latest international branch of the Institute of Architectural Ironmongers was launched on 26th November to cover the GCC region. This is in recognition of the popularity and significance of the IAI and the Guild of Architectural Ironmongers (GAI)'s education programme in the Middle East.

The event was extremely well attended by ironmongers, manufacturers, architects and representatives of the IAI and the GAI from the UK, including the Institute Chairman Shaun Brown, and GAI President John Jefferies.

The new branch will be chaired by Adam Taylor, the General

Manager of HÄFELE Middle East. In recent years the GAI's education programme has been more popular than ever in the Gulf states. In fact Dubai is now as big a test centre as London. No other scheme in the world offers such a broad knowledge and understanding of ironmongery, leading to the most recognised qualification in the industry.

Since British and European standards are widely accepted in the Middle East, the GAI Diploma is highly regarded in the region with a healthy number of ironmongers attaining this level each year.



///2013 has been a very challenging year as we strive to maintain our service to members and at the same time introduce new

innovations or solutions to regulatory changes.///

New GAI Website

Our new website is now up and running and the feedback we have received has been most positive. If you have not already done so please spend some time on the site.

Its more user friendly in style and has a much fresher look about it. One of the key areas has been to emphasise the value of the "members' only" section, particularly when it comes to accessing technical information.

Websites are generally a work in progress and our new site is no exception. Should you have any observations please let us know. We are undertaking further development work in January 2014 and will be happy to receive input.

IAI Initiatives

I must also take this opportunity to identify new initiatives from within the Institute.

In an effort to engage with as many of its members as possible the IAI has held successful "pop-up" branch meetings in Cambridge and the North East over and above its normal programme of events.

The Institute has also not forgotten its student members and has staged two very well received "education evenings" around the country.

Having covered some highlights of 2013, what's on the horizon next year?

We'll be starting by asking the membership for views and opinions and will be investing in research which is likely to include a survey and other forms of engagement. I certainly encourage you to let us have your views when the time comes. Your feedback is valuable to us and will help us in identifying those areas of improvement.

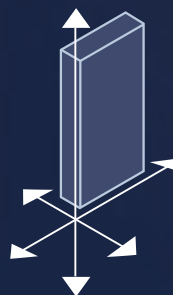
At this point our plans for 2014 include:

- improving the website experience and in particular the GAI members' technical area.
- attending to the recommendations of the Education Review.
- extending our international presence by introducing an Institute branch in India.

I'll return to these challenges in next year's AIJ, issue 2.

Gary Amer *GAI Chief Executive*

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iai matters

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



POP GOES THE NORTH EAST

The Institute cannot be accused of complacency this year, making a real effort to reach out to every member and areas of the country. Following from the success of the previous pop up branch in Cambridge, a second ad hoc meeting in the North East took place in November.

The meeting was held in Newcastle upon Tyne, with a presentation on 'Anti-Ligature Applications including Access Control, Bedrooms and Washrooms' delivered by Alan McDonald of Doortrend at the centre of the event.

"The feedback from those who attended the Cambridge event was extremely positive and proved to be of great benefit to the attendees," said IAI National Chairman Shaun Brown. "The north east pop up proved to be just as positive with a respectable number of attendees. I'm sure this bodes well for the future of the organisation in the region."



MIDLANDS RECORD

The Institute Midlands Branch annual Quiz held at Oxley Park Golf Club in Wolverhampton was the setting for a record attendance for the branch with 50 members and guests in attendance. Under the watchful eye of quiz master Andy Matthews of HOPPE the teams did battle with the winning team made up entirely of RegAls: Lee Piper, Lisa Nightingale (HOPPE UK), Kay Roles (ASSA ABLOY) plus a guest Peter Worrall (also HOPPE UK). The chosen charity, YETGA theatre group, was presented with a cheque for £200 and the winning team also donated their cash prize on the night to YETGA.



MIXING BUSINESS WITH PLEASURE

The national AGM of the Institute of Architectural Ironmongers will be held at the Imperial Hotel, Torquay, Devon on Saturday 22 February 2014.

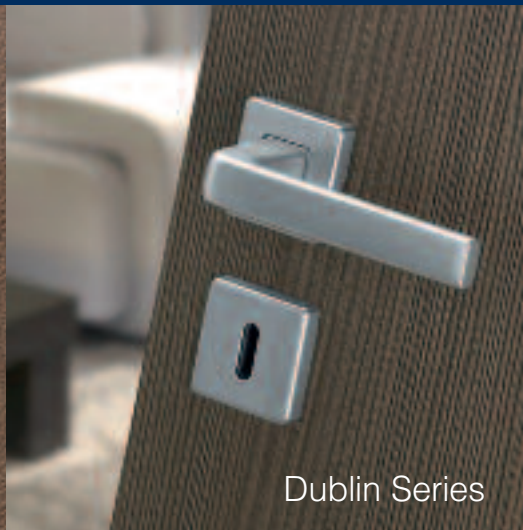
The Institute, the individual membership section of the GAI runs a thriving network of local branches across the UK and the AGM and dinner dance is the highlight of the Institute calendar, combining as it does a lively business session, a celebration of the best of the trade, and a very sociable dinner dance to round the event off.

Each year the Institute presents three prestigious awards to honour some of the IAI's leading figures: the GAI Trophy for Services to the Institute of Architectural Ironmongers, the Paul Lewis Trophy for Customer Service, sponsored by Royde and Tucker, and Fellowship of the organisation for services to the industry.

Booking arrangements are available at <http://www.gai.org.uk/iai> or by contacting Janis Cronin on janis.cronin@gai.org.uk.



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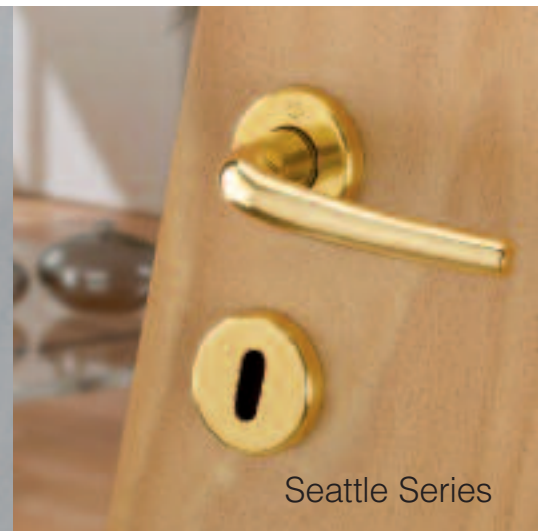
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Included on a successful fire test to BS EN1634, the range has been assessed for use on FD30 and FD60 fire doors



Maribor Series



Seattle Series

Always a popular range due to the perfect combination of style and substance, our interior door range comprising Seattle, Ibiza, Dubai, Dublin and Maribor has recently undergone some product enhancements and as a result, this specialist part of our duranorm® range now offers even better value for money. While HOPPE never sets out to be the cheapest, we do understand the market requirement for competitively priced products, and that's just what we have achieved now.

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Dubai Series
1107/266



Seattle Series
168L/267

world news

New IAI branch inaugurated in the Middle East



On 26 November the Institute of Architectural Ironmongers launched its latest branch in Dubai to cover the Middle East region, in recognition of the popularity and significance of the IAI and the GAI's education programme in that region.

The new branch was launched at the Big 5 Exhibition, Dubai World Trade Center and was well attended by ironmongers, manufacturers and representatives of the IAI and the GAI from the UK including the Institute Chairman Shaun Brown, and GAI President John Jefferies.

Speaking at the event, GAI Chief Executive

Gary Amer said "The positive extent to which to the GAI's Education Programme has been taken up in the Gulf is a clear measure of its recognised value and importance as an educational standard. Many students of the Programme from the Gulf have successfully attained the GAI Diploma or are presently undertaking their educational journey. In fact 13 of the 49 new Diploma holders this year are from the Middle East. It is most important that there is a local support mechanism for Institute members which will hopefully bring both personal development and networking benefits."

Over 100 people attended the launch

including representatives from the British Embassy and the Welsh Government, plus Marc Jessel, British Council Country Director UAE who spoke to the assembled guests.

The branch will be chaired by Adam Taylor, the General Manager of HAFELE Middle East and has already prepared a schedule of meetings with CPD presentations to keep members and students in the region bang up-to-date with the latest standards, legislation and industry trends. It will also provide an excellent networking opportunity. To attend the branch, contact its chairman, Adam Taylor at Adam.Taylor@hafele.ae.



left to right: Shaun Brown IAI Chairman, John Jefferies GAI President, Adam Taylor IAI GCC Branch Chairman, Gary Amer GAI Chief Executive



John Jefferies addresses the meeting



Diploma Award winners



Adam Taylor

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the cij meets

Ahlam Al-Sharo, this year's Pinnacle Award winner

PINNACLE OF SUCCESS

This year's **Pinnacle Award** winner, **Ahlam Al-Sharo** has had an eventful year! As well as winning the GAI's top education prize, she's also given birth to twin girls. **Helen Curry** spoke to this wonder woman about hard work, learning for life and success.



Dubai based Ahlam was in two minds about whether she had won this year's Pinnacle Award – although she had done well in years one and two, she wasn't too sure what her chances were. "But I reckoned that, being heavily pregnant and virtually confined to the house, at least I knew nobody would have studied harder than me!" she says. This dedication by Ahlam clearly paid off when it was announced that she had scooped the top prize at this year's Education Awards Lunch.

The Pinnacle Award, sponsored by ASSA ABLOY, is part of the GAI's ongoing commitment to excellence in education and training in the architectural ironmongery trade. The organisation's education programme is well respected in the construction industry as one of the most thorough and professional qualifications. And it's an award worth winning with a £3000 holiday voucher up for grabs for the student who performs consistently well throughout the three years of the diploma programme.

Ahlam is a trained Civil Engineer and works for GEZE Middle East as Project Development and Specification Manager. When her boss, Charles Constantin suggested she started the Diploma Course, she jumped at the chance. "Although I was learning a lot as I went long at GEZE, I was also keen to learn in a structured formal way," she says. "When I talk to architects about their project, they need advice and now I feel like I can teach them a thing or two myself, especially about standards." The course has, Ahlam believes, given her a broader view of the whole door – not just the products she deals with every day at GEZE and this, in turn, has helped her read schedules she is sent more professionally. "I don't write schedules as part of my job but I do have to read them every day," she says. "Now that I've completed this course I can understand them much better and make much better recommendations to customers."

Gaining her GAI Diploma in such style is very typical of Ahlam's style. "Education is a passion of mine," she says. "I always take every opportunity I can to learn. If there's a seminar or class I can take I'm the first in line – you can never know too much! Especially in an industry like ours where everything is always changing."

As a consequence, Ahlam enjoyed the course which she didn't find too much of a struggle. "As an engineer I'm used to studying and I enjoyed reading around the course, finding out extra information online." She also attended the GAI's training courses held in Dubai which she found very useful in understanding the type of questions to expect, how to organize her study and in the exam, and how to practise for it. It was also very helpful to meet other students and gain their support and help.

The exam itself took place when Ahlam was nine months pregnant with twin girls! She is characteristically sanguine about this challenge pointing out that being stuck at home, heavily pregnant meant that she had more time to study than most. "Studying helped pass the time and keep me occupied when I was very heavily pregnant – I just had to hope that the babies didn't come early!"

Sadly Ahlam wasn't able to attend the GAI Awards in London in November but her boss still managed to spring the result on her as a surprise, organizing a representative of the sponsors in Dubai to come and make the presentation and for a video to be taken to be played at the ceremony in London. She also formally received her trophy at the inauguration of the Institute's new GCC branch at the Big 5 Exhibition.

She is justifiably very happy and proud at what she has achieved but is modest enough to add: "Anyone can do it if they set their mind to it," she says

FIRE MATTERS

It seems that the question of **Intumescent protection** and who should supply it for the door perimeter and hardware is something of a thorny one. **Jacky Sinclair**, the GAI technical consultant, answers some questions about where that responsibility lies.

Q Do all intumescent materials activate at the same temperature?

A No. The various types activate at different temperatures, therefore only the same material that was used in the actual fire test should be fitted. Activating too early or too late is likely to compromise the test evidence for the fire door.

Q Can I substitute a different material to that fire tested?

A No. Because there are different activation temperatures and different pressures and degrees of expansion, you should only use the same type of seal as that which was tested. Using a different seal could have serious consequences on the door's fire performance. For instance, I once witnessed a test where the wrong seal was used down the meeting stiles of a pair of doors. It expanded with such force that the door leaves were pushed open, and the test failed.

That said, intumescent seals in third party accredited schemes (such as Certifire) are warranted for fire doors of certain types and dimensions. From this data, you could identify seals from different manufacturers which would be suitable for a specific application. Using this method, the seal you select should support the door's fire performance.

Q Is there such thing as a 30 minute fire seal?

A Not all fire doors are the same. Make sure that you have a properly tested fire door construction – the manufacturer ought to provide the test evidence on a data sheet. You must check within that data what type and size (or sizes) of seal have been tested and that is what you should specify and supply. Remember that adding a fire seal to any door doesn't automatically make it a fire door.

Where door manufacturer's test evidence isn't available, the usual recommendation is to use a 15 x 4mm seal, fitted centrally at the head and both jambs of a single leaf, single acting door. If it's a fire and smoke door (which will be denoted FD30S), then a fire seal alone will not be sufficient - you must purchase combined or separate smoke and fire seals.

Q I have an existing fire rated door, but have been told it needs to be upgraded to provide smoke containment too. What do I do?

A The simplest way of achieving this is by installing a tested retrofit cold smoke seal. There is a choice of sizes for different applications, including ultra-low frictional resistance for ease of door operation, and as they fix straight onto the doorstep with strong self-adhesive tape, it's easy to install and you won't need to remove the door to fit it. If you have double leaf doors, it will need a seal at the meeting stile too.

Q Can you paint over fire and smoke seals?

A Over-painting of intumescent seals would not compromise performance in a fire situation. However do not paint over the flexible elements of smoke seals as this will certainly compromise smoke containment performance. If the smoke seal part of the seal has already been painted over, replace it.

Q What's the difference between a brush seal and one with flexible fins?

A Brush seals were the first on the market back in the 1970s, hence they have popular appeal as the traditional smoke seal solution. While they're still effective as smoke seals, the Building Regulations now have requirements for doors to also provide acoustic containment, and be easy to operate to allow access for all. With these new requirements, the brush-style smoke seal is not up to the job. Brushes are particularly poor at providing acoustic containment, as the filaments allow air to pass straight through, and where air goes – sound goes too. They also provide plenty of friction, which makes doors more difficult to operate. Fin-style seals provide a much more comprehensive and hygienic

solution. They have better acoustic containment properties (particularly ones with multiple fins) and much lower frictional resistance.

It's important that the fin seal remains continuous around ironmongery for both acoustic and smoke containment. Offset fins make this much easier.

Q I'm working on a hospital project that needs a sealing system that will stand up to rigorous cleaning. What do you recommend?

A There are perimeter and threshold sealing products available with carriers and gaskets which are impervious to most strong cleaning chemicals, making them ideal for hospitals. Where smoke protection is needed, fins will harbour much less dust and dirt than brushes, and are easier to wipe clean. Some products are available with anti-microbial additives, which might be an advantage. Check with seal manufacturers for details.

GAI members with a question about intumescent perimeter seals which is not answered here, should email it to jacky.sinclair@gai.org.uk or phone 01952 414411. The GAI's Technical Consultant, Jacky Sinclair, will do her best to answer your query. Questions submitted might be added to the FAQs site, but all names and brand references will be removed to ensure anonymity.



Carlisle Brass are pleased to launch the brand new Door Control Collection under its Eurospec brand. Our comprehensive, fully tested range of door closers are suitable for a wide variety of commercial and public sector applications. Within the range are standard arm, high efficiency, cam action, electromagnetic and various concealed closers.

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technical

electric locks

EASY ESCAPE

ACCESS CONTROL AND SECURITY ARE TWO MAJOR CONCERNS WHEN IT COMES TO BUILDINGS THAT ARE USED BY THE PUBLIC, SUCH AS OFFICES, SCHOOLS AND HOSPITALS. IT'S IMPORTANT TO HAVE FLUID ACCESS, HOWEVER THE SAFETY OF THE PEOPLE IN THE BUILDING IS PARAMOUNT.



In the event of an emergency such as a fire, there needs to be a reliable exit route that allows a quick and easy escape. Jon Burke, Marketing Manager of Abloy UK, discusses the benefits specifiers and architects can gain from selecting electric locks over door magnets for access points in public buildings.

When it comes to access control, means of escape should be top of the agenda. So, if the safety of the people in the building is the top priority, then ensuring the correct locking solutions are installed at access points is key. There are safety advantages to be gained from opting for an electric locking system – such as a motorised or solenoid lock – rather than choosing door magnets.

There can be fire risks associated with installing a magnet on a door which is used as a fire escape, because they require special arrangements to be made to guarantee they are fail-safe at all times in the event of an emergency. It may be that an alarm or 'request to exit' mechanism is required for electromagnetic locks to allow someone to exit.

Securing standards

Electric locks are a compliant solution that meet standards EN179 Emergency Escape for when the building occupants are aware of the building environment, and EN1125 Panic Escape for environments used by the general public. Motorised and solenoid solutions satisfy the needs of both fire doors and emergency and panic situations where a mechanical means of escape is required.

Motorised locks are also ideal for emergency exit access control as they do not feature a handle – which is the most vulnerable part of a door – making them a hands free solution. This can improve the flow of people through the door, which is especially useful when a swift and smooth exit is needed for a large number of people. Because of this, motorised locks are often considered a more secure alternative to a solenoid version.

Energy saving

Although door magnets may have a smaller initial cost, in the long run electric locks are substantially more energy efficient. This is due to the fact that door magnets need a constant supply of electricity to power the magnetic field that ensures the door stays closed. When a person needs to use the door to enter or exit a building, they press the exit button or swipe an access card which cuts the magnetic hold and allows the door to open.

Alternatively, solenoid and motorised locks only require electricity to open or close the door, rather than a constant supply. It's highly likely that doors will be closed for a far greater amount of time than they will be open, meaning in this instance the electric locks will use considerably less energy than their magnetic counterparts.

To put this into context, 13 door magnets use around the same amount of electricity as a kettle being constantly boiled all day. In comparison, electric locks will only require around 10-20 per cent of this amount of energy to operate for the same amount of time. Cost effectiveness is always going to be a major consideration for architects and specifiers, but these statistics show that even though electric locks may have a larger up front cost, in the long term they are more cost effective will contribute to a lower carbon footprint.

Compliant solutions

With high quality locks such as these available that conform with standards EN179 and EN1125, there is no reason that architects and specifiers should be putting the safety of the people using public buildings

at risk by selecting less compliant solutions.



ACCESS ALL AREAS

WITH MORE AND MORE AIS GETTING INVOLVED IN ACCESS CONTROL IN ORDER TO DRAW IN PROFITABLE BUSINESS, WE TALK TO ACCESS CONTROL EXPERT NIGEL GRAY AT HOPPE UK ABOUT THE QUESTIONS HE IS ASKED MOST FREQUENTLY.

Q *If I have a large number of users for the system, what are my options?*

A A lot of AIs are used to selling stand alone systems - a simple electronic lock and / or electric strike for a small office or residential project. But when there's hundreds or thousands of users, possibly across several locations of buildings, they can tend to panic.

What's needed is an online system with a centralised computer control which can handle as many doors as required. There's still a controller at each entrance but they are controlled centrally via a software programme. This allows total flexibility with regards to allowing access through certain doors by certain people but it also gives the possibility of recording an audit trail to show who has come through the door and when, and can tie in with the buildings alarm and management systems. Online systems can also offer different levels of security where the user might only require access to certain areas at certain times of the day. ie you might only want your cleaning staff to have access after office hours but not during the day and if they tried to access outside their assigned time an alarm function can be raised to identify who has tried to enter the building.

Q *My client doesn't want push button locks – what other sort can I use*

A The most common and popular access method now is proximity reader and users find it very simple to use. But there's also the choice of swipe cards, and audio / video systems. More and more companies are also using biometric systems with fingerprint or facial recognition software. It really depends on what level of security is required and how much traffic will come through the portal. Anyone who has travelled on the London Underground using an Oyster Card will know just how quick and efficient a proximity reader system can be where there is a high level of traffic. eally depends on what level of security is required and how much traffic will come through the portal. Anyone who has travelled on the London Underground using an Oyster Card will know just how quick and efficient a proximity reader system can be where there is a high level of traffic.

Q *I need to integrate the access control system with the building's alarms – what can I do?*

A Standalone & online access control systems can simply be integrated into the fire alarm systems, usually achieved by a Fire Interface Board. In this case, when the fire alarm is activated, the power is cut to the locks, and they automatically open (fail safe). This is most usually achieved using magnetic locks where all locks open in the event of fire.

While a fail safe system is the most commonly specified option, in

domestic settings, a fail secure option may be required ie when the power is cut, the doors will lock.

Q *What kind of locking system should I go for?*

A An electric strike is, of course the most common type of lock on a controlled door. But where the system is integrated with the fire alarm a magnetic or solenoid lock maybe required to release to fail safe to ensure the door can be opened without hindrance.

Q *Can I include automation in an access control system*

A Yes! We have all used shop doors with an automatic option, often operated by a push button or motion detector on the door. But the same principle can be applied on domestic buildings designed for wheelchair users or other disabled people. In this case it might be necessary to adjust the parameters of the proximity reader to allow it to unlock and open the door from further away, this ensures the door unlocks and opens in time as they approach the building.

Q *What difference will different door materials make to the access control system?*

A Usually no difference at all but it is advisable to check that the proximity reader is suitable to work on steel structures to prevent loss of/ or a reduced read function.

Q *There's only normal mains power at the door – what do I need to do?*

A The power needs to be converted to a 12 or 24 supply this can be done by means of a transformer rectifier or power supply unit where the 230v current is converted to suit the operating requirements of the products being used.

Q *What other systems can I link to the access control system?*

A Modern technology means it's possible to link all sorts of other systems into the access control arrangements – clocking in and out at a commercial property, cashless vending systems in schools and colleges, audit trails in sensitive environments. The possibilities are limitless and the switched on AI can extend their involvement in a project in many ways.

Q *Where so I get help?*

A Don't panic! Help is at hand! All of the reputable suppliers of access control systems have technical departments to get you out of that really tight spot. Tap into their knowledge to tap into an important source of business



- ➡ Are you working with or selling door hardware?
- ➡ Need to know more to help your business?
- ➡ Would increased knowledge help your customers too?
- ➡ Want to be able to prove your competence?
- ➡ Looking for a user friendly solution to these issues?
- ➡ Want to access this solution anywhere in the world?



The Guild of Architectural Ironmongers (GAI) has introduced a new one-stop introduction to door hardware to its education portfolio.

It is an online aid designed to raise knowledge and standards among those who don't live and breathe ironmongery as their day-to-day job. You can learn at your own pace through the audio and visual presentations.

It's perfect for:

- locksmiths
- builders merchants' staff eg; sales, trade counter, etc..
- back of house staff at AI companies and many others

This exciting new online module is available to anyone in the world!

Some features:

- Learn at your own pace – at home or at work.
- Self test your knowledge – each section has its own help test leading to an overall exam at the end.
- Repeat tests as often as you like.
- Receive a personalised **Certificate of Competence** as evidence of your new found knowledge.

Find it at: www.thebuildingacademy.com/GAI
Simply pay online and the learning experience begins!

It costs: £175 (plus VAT)
 £150 (plus VAT) for members of the GAI.

OPEN DOOR TO LEARNING

Sandal Magna Community Primary School in Wakefield is not your average run-of-the-mill building. Designed by **Sarah Wigglesworth Architects** to replace the existing red brick school, the design gives more than a passing nod to the town's industrial heritage. And the ironmongery plays a vital role in that design. The AIJ talked to **Al Em-B** to find out about the project.

25 Sandal Magna was one of the last hurrahs for the previous government's BFS programme – one of the final sites where an old school was demolished to make way for the new. It accommodates 210 pupils aged 5-11 plus a nursery, and was conceived to be a strong, integral part of the community which it serves, and whose architecture it reflects. The school is actually made up of four single storey buildings housing classrooms, nursery, school hall and admin. Brick is the predominant material and the building shapes echo local industrial forms and chimneys.

Natural materials have been used throughout – in part in keeping with the architectural practice's sustainable design ethic. Unusually, many of the environmental features have been left exposed not hidden away, an in-your-face indication of how important sustainability was in the design process. Insulation can be seen through polycarbonate sheeting, rainwater harvesting pipes are exposed. This gives the school a friendly, open, functional feel throughout.

AI on the project was Leeds-based Em-B and they were very much part of the brief to help give the school its characteristic utilitarian feel. Lead AI on the project was Nish Mohamed. "The architects had a very strong vision of how they wanted the school to look, feel, and work," he says. "As well as all the usual caveats you get when working on a school regarding accessibility for all, fire safety and security, we were tasked with scheduling doors with hardware that a strong utilitarian feel in keeping with the style of the whole school."

Of course budget and performance were also key requirements on the Sandal Magna project. Em-B worked closely with their supplier HOPPE to match the tight brief, using hardware from the company's duranorm range on many of the doors. Duranorm, billed by HOPPE as "consistently good value without



// We were able to **provide the architect** with a lot of guidance on how to **meet the requirements** of the Equal Opportunities Act, building regs, and fire safety requirements... //



27 compromising on quality", is a range of lever handles on a choice of rose or backplates.

"We had great support from HOPPE throughout the project," says Nish. "Especially when we came across openings that caused us a problem. For instance, in one area of the school the doors were coming from Scandinavia so the fixing centres weren't standard and the operation of the handle was different. HOPPE was able to produce some specials for us for those doors, and provide solutions for particularly wide openings."

As in many cases, it was the AI's specialist expertise that really came into its own on this project.

"We were able to provide the architect with a lot of guidance on how to meet the requirements of the Equal Opportunities Act, building regs, and fire safety requirements," says Nish. "Schools always have a wide and challenging set of requirements and this one was no exception." The project, with a tight timescale typical on education projects was completed on time. "I think the hardware really does complement the architectural style in this building and it's a project we are very proud of."





SCHOOL OF THOUGHT

While door hardware may, at first glance seem to be an incidental part of a school building, it is in fact vital to the security, accessibility and fire safety of the whole building. If the hardware isn't working properly, the doors won't work. If the doors don't work then staff and pupils cannot move effectively around school, access to certain areas cannot be restricted, and, critically, in the event of a fire then nobody can escape and fire can spread voraciously. And, because a door is one of the few parts of the building that every visitor comes into contact with, it sets a tone and style for the whole building.

Specifiers for hardware in schools need to take into account the particular requirements of the school environment when selecting products:

Anti-Vandalism: for instance, concealed closers might make a better choice than an overhead option since, because they are concealed in the door leaf, they are less likely to be damaged, vandalised or stolen.

Aesthetics: Pull handles are often the preferred choice for classrooms to limit the potential for wear on moving ironmongery. Many schools select nylon handles as, not only are they stylish and cost-effective, they are also very hardwearing and will keep their good looks for many years.

Reliability: specifiers for schools need to look for hardware that has been tested to British or European standards (as appropriate). For example, most door hardware is tested to half a million cycles on specially designed test rigs and quality manufacturers like HOPPE offer a ten year guarantee.

Cost: the perennial issue of performance versus cost. However, because of the essential role that hardware plays in safety and security around the school, it is vital to select hardware that is up to the job. Everybody has come across cheap door furniture like lever handles that rattle in the hand, and sometimes have a tendency to break when used in conjunction with overhead closers because of the wrenching forces encountered on self-closing doors. For example, handles might look great in the catalogue but more expensive BS EN 1906 durability Grade 3 levers are tested to ensure they can withstand the rigours of school life, even if they look the same as their cheaper counterparts.

Fire safety: Perhaps the most important role that doors and their

associated hardware play in a school setting is in fire safety. The legislation and regulations surrounding the correct design and specification of a fire door is, understandably, rigorous. Anyone who has seen pictures of the devastating effects of a fast-spreading fire will understand just how vital fire doors can be. They can stop a fire spreading (and even help to suppress a fire by restricting the amount of oxygen available to it), protect escape routes, and. Once the building has been evacuated, they can protect fire fighters.

This is where standards and CE marking comes into play. Since July this year when the Construction Products Regulations came into force, any product manufactured from that day, which falls within the scope of a harmonized EN standard, must be CE marked. From that date doorsets could also become CE marked. All of this has been brought about by the ratification last year of the Construction Products Regulations. part of the requirements of the CPR is that manufacturers of CE Marked products, in addition to that valid CE Mark, must make a Declaration of Performance (DoP) available right through the supply chain right up to the point the product is fitted on a door, and then for ten years afterwards, either in paper or electronic form.

Accessibility: Door Hardware also has an important bearing on accessibility throughout the school building. The introduction of the Equality Act in 2010, replacing, amongst others, The Disability Discrimination Act, changed very little with regards to doors and building access which still falls under the auspices of BS8300 and Approved Document M. In 2009 a revised version of the Code of Practice for BS8300 was published offering guidance on specifying architectural ironmongery and doors, including handrail design and fixing, clear widths through doorways, the design of vision panels, and manual door opening and closing furniture.

Security: Finally, door hardware can add to the security, safety and access control of staff and pupils alike. For instance, so-called classroom locks have a function that gives teachers full classroom control. Many school classroom doors only feature a standard deadlock which certainly offers security, it will not stop pupils from locking the classroom when inside, should the teacher leave the room. A classroom lock will ensure that someone inside a room cannot lock a keyholder out whilst allowing unrestricted escape in the event of an emergency.

london

the lancasters

CLOSERS MAKE THE GRADE

More than four hundred 3000 Series concealed closers from Astra Door Controls have been specified and fitted on one of London's most prestigious developments, The Lancasters.

The Lancasters, on the northern edge of London's Hyde Park, took five years to complete and has involved the renovation of an entire terrace of fifteen magnificent 19th century houses. The development has been carried out by Northacre PLC with commercial property developer Minerva PLC. The seven-storey, grade II listed terrace was most recently occupied by the Lancaster Gate Thistle Hotel but has now been remodelled to create 77 individual properties including 10 penthouses and two town houses.

The specification for the interiors was lavish, retaining the original style and grandeur of the Victorian houses. Ironmongery for the project was supplied by John Planck Ltd in Art-deco style polished chrome, and the Astra concealed Series 3000 door closers were selected to retain the clean lines of the common areas and because, with full adjustability, they were powerful enough to handle the doors' weight and width.

The Astra 3000 series of fully-controlled concealed door closers are a range of products developed to offer all the adjustability and control of an overhead closer. Unlike other concealed closers on the market, the Astra 3000 series is fully controlled and adjustable, making it a really viable alternative to overhead products with all the aesthetic benefits of a concealed closer.



london

royal academy

SIMONSWERK ACHIEVES ACADEMY STATUS

As part of a major refurbishment programme, the West Wing of London's Royal Academy of Arts has been renovated and upgraded for use by the New York-based Pace Gallery. High spec hinges from SIMONSWERK UK have helped Pace to set up its offices at the gallery in a compact space without compromising on working surroundings.

The 9,000sq ft space at the Royal Academy in Burlington Gardens will specialise in modern and contemporary art. Pace, which operates seven prestigious locations worldwide, required a clean, minimalist interior finished to the highest standard. The remodelling was designed by leading British Architect Sir David Chipperfield.

In order to maximise gallery space, Pace's administrative areas were designed to utilise ancillary spaces around the lift and stair cores. On the first floor, this involved creating large doors to conceal the rear entrance to two passenger lifts. The doors are each 2.8 high, 1.3m wide and 56mm thick and clad in 6mm sheets of Corian synthetic stone. As a result, each door weighs 140kg. The doors are complimented by bespoke cupboards and folding desks – also finished in Corian – to provide workspace and storage in this compact space.

The design placed high demands on the door fittings as Steve Welsh, Contract Manager at Suffolk & Essex Joinery explained. "The size and weight of these doors required very heavy-duty hinges. The architect also required all the fittings to be concealed to give a completely clean finish within the classical interior of the Royal Academy building. Tectus hinges were the obvious choice. Both we and the contractor had used them before in similarly demanding situations and knew we could rely on them."



Each of these impressive doors is supported by 4 Tectus TE640 hinges inset into the frame and door core. Once in place, they offered a facility for fine adjustment - allowing the doors to be millimetre-perfect in their alignment and positioning, fulfilling the designer and client's exacting specification.

manchester

university

LOCK OUT PROGRAMME PROGRESSES

GU has worked with Laidlaw Manchester to secure selected maintenance access doors at Manchester University Campus on the initial phase of the University's 'Lock Out' programme.

Around 100 of the BKS Series 21 panic function E auto deadlocking panic locks have been supplied so far via Laidlaw with a second phase set to commence in the 2014.

The locks are working in conjunction with the University's existing electronic cylinder suite to provide an increased level of security and restricted access to particular areas of the sprawling Campus.



ASSA ABLOY SECURES WEAVERS' TRIANGLE

ASSA ABLOY Security Solutions, has supplied products – including its high performance specification lockcase, Optimus3 – for a new University Technical College, as part of the wider redevelopment of a famous North West landmark.

Widely considered as the heart of Burnley's textile industry in the 19th century, Weavers' Triangle is located on the banks of the Leeds and Liverpool Canal. The remaining buildings have been identified as a significant conservation area, one of which – the grade 2-listed Victoria Mill – has been redeveloped into a £10.3 million University Technical College for the Visions Learning Trust.

ASSA ABLOY DC500 door closers were installed, enabling doors to be easily opened by younger students, or disabled users, thanks to the cam motion functionality.

Optimus3 lock cases from UNION feature an easily reversible latch, which can adjust the handing of a door quickly and easily on-site. The lock cases provide flexibility and simplicity upon installation – critical for projects on this scale.

Also from UNION, 1000-series lever handles and a keyULTRA™ masterkey system completed the package from ASSA ABLOY Security Solutions. The masterkey system possesses one of the longest patents on the market – until 2028 – protecting both the key and cylinder.



GEZE DOORS ARE A TONIC

How do you modernise the entrance of a leading research facility to ensure thousands of people can pass through safely every day, but which is part of a Grade II listed art deco building with a solid marble floor?

This was the challenge for GEZE UK, when it was asked to supply and fit new doors for the London School of Hygiene and Tropical Medicine. The school is an international centre for research and postgraduate education in public and global health and with over 3,500 students and 1,200 staff, its main entrance is busy throughout the day. Originally opened in 1929 by the Prince of Wales, the client specified that any new doors needed to be completely in keeping with the building's historic character.

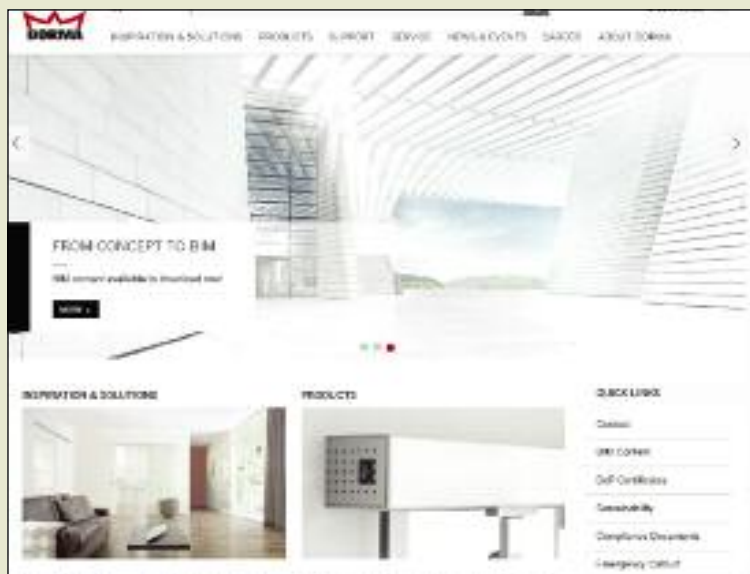
GEZE created a bespoke design using the Slimdrive SC GGS, an automated all-glass curved sliding door with high grade stainless steel fittings and a glass roof. It was fitted to the existing entrance to create an elegant semi-circular lobby and the curved sliding glass doors ensured more space and light.

As with all products in the Slimdrive range the entire drive unit is only 7 cm in height. The main advantage of the Slimdrive SC GGS in listed buildings is that it removes the need for unsightly rails, maximising transparency and enhancing the detail of the building. The very low construction height enables almost invisible integration into the façade and the final result allows maximum light into the School's busy reception area.

Normally a track is installed in the floor, however in this installation the marble floor could not be lifted or altered for obvious reasons, so instead GEZE's specialist team created a solution with a 15mm thick surface mounted stainless steel track attached to the stone floor.



NEW LOOK WEBSITE MAKES SPECIFICATION SIMPLE



DORMA has launched a new company website - www.dorma.com - providing comprehensive product and service information as well as examples of DORMA's advanced access solutions and services. The site is simpler to use and provides quick access for architects, specifiers and all members of the construction community.

Featuring outstanding design, content and functionality, the new site gives improved navigation of DORMA's extensive product range which has been simplified into 3 sections: Opening & Closing, Securing and Dividing products.

"The new site structure makes it easy to find and download materials and information in seconds," commented Phil Jones, Group Marketing Manager at DORMA. "With a substantially upgraded search function and streamlined internal navigation, detailed drawings and product specifications will be more accessible than ever before, ensuring you find the product that best fits your project requirements."

Users can swiftly locate expert help using the new contact section, extensive BIM objects, Declarations of Performance Certificates, Environmental Product Declarations, technical drawings, user friendly downloadable online literature and more.

LAIDLAW GROWS ONLINE PRESENCE

Laidlaw Ironmongery has launched its enhanced website, offering a comprehensive architectural ironmongery, access control and integrated doorset product overview,

Showcasing everything Laidlaw Ironmongery has to offer, including a wide range of architectural ironmongery solutions, access control systems and automatic doors, alongside its Spectrum range of integrated doorsets, the enhanced website delivers everything needed to create a complete interior solution.

Making browsing faster and easier, the website also makes it possible to order products for collection or delivery from Laidlawdirect – Laidlaw's own online marketplace.

The Laidlawdirect website portal has now been modified to allow ordering off existing Laidlaw trade accounts.

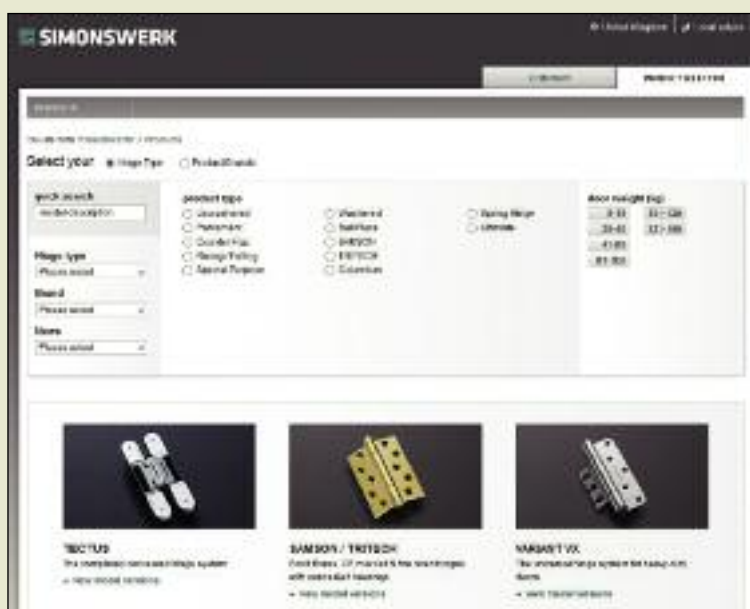


MAKING CHOOSING THE RIGHT HINGE SIMPLE

A new Product Selector function on the SIMONSWERK UK web site takes all the headaches out of selecting the right hinge. Designed to guide the user through the whole process by a simple series of filters about the door, application, frame and rebate, the new SIMONSWERK Product Selector makes the process of honing in on the correct hinge quicker and easier than ever.

With just one click from the SIMONSWERK UK home page (<http://www.simonswerk.co.uk/>) the user is asked to select a few details about the door weight, special functions, leaf type, rebate, and application – which will then throw up a selection of suitable hinges for the job. Even if not all the door information is available, the SIMONSWERK Product Selector will still offer details of suitable hinges.

Then all the technical information needed for specification load capacity, adjustment and dimension is there at a glance. Product photos, views, finishes and cross sections are also provided. From there it is simple to download product information, CAD-drawings, routing data and descriptive texts for tenders free of charge.





■ NEW GRADE 6 PADLOCK

ULTIMATE SECURITY, ULTIMATE CHOICE, ULTIMATE FLEXIBILITY

ABUS has introduced a new CEN Grade 6 padlock, the Closed Shackle Rock. The 83CS/80 padlock builds on the strengths of the original ABUS 83/80 & 37/80 CEN 5 padlocks to create a whole new level of security. Offering high security coupled with ultimate flexibility, the 83CS/80 padlock is rated Sold Secure Gold and available with or without cylinder it offers the ultimate in adaptable security.

Like its smaller brother the ABUS 83CS/80 is designed to take standard Scandinavian cylinders from ABUS and other manufacturers without the need for specialist tools and can be adapted to meet various requirements including locks made to a previous supplied key, key alike or master keyed within minutes, or ordered and assembled through ABUS UK.

ABUS can offer the 83CS/80 Rock with an open section, as well as on its patent protected Y and Z sections providing ultimate levels of security.

Perfect for adding to existing master key and keyed alike suites the ABUS 83CS/80 has a body and shackle made of hardened steel with a chrome plated Nano-protect coating for extreme corrosion resistance.

■ CONTEMPORARY ARCHITECTURAL SEALS

ARCHITECTURAL SEALS REIMAGINED

For almost 35 years, Lorient has been designing and manufacturing sealing systems for performance doors across the world. Now Lorient is unveiling a new range of contemporary architectural seals under the brand name of AURA.

The AURA range features a selection of drop seals, perimeter seals, door bottom seals, threshold plates and ramps ? all with strong design accents. Every detail of the AURA product range is considered and designed to integrate more successfully into the design of doorsets and floors.

A number of signature design details feature within the AURA range; including a distinctive curved profile, which not only creates a sophisticated visual aesthetic, but also spreads and diffuses sound. AURA threshold plates and ramps incorporate hardwearing tread strips which deliver greater grip under foot. The unique reversible design provides either a smooth or ridged surface, depending on practical and aesthetic preferences.

Wherever possible, AURA® fixings are completely concealed, enhancing the overall finish, preserving clean lines and curves, while also improving security and safety. Specialist finishes are available for complete design freedom ? with luminescent options for enhanced safety; and bespoke finishes to complement a wider colour palette.

AURA perimeter seals and drop seals have been successfully tested for acoustic and smoke containment; and carry CERTIFIRE certification (CF5179). Further information about the AURA range, and to order is available by emailing aura@lorientuk.com.



Award winning **TECTUS**



TECTUS fully concealed high quality, maintenance free 3D hinge for door weights up to **300kg** with fire tested, power transfer and offset versions all in a wide range of finishes.

Outstanding **TRITECH**



TRITECH solid brass, high performance CE marked, concealed bearing hinge with weight carrying capacity to **160kg** available with 7 designer finials and in various finishes including PVD.



www.simonswerk.co.uk

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e: sales@simonswerk.co.uk

SIMONSWERK
HINGE TECHNOLOGY

■ DIGITAL LOCK

CONTROL AND MONITOR FROM CODELOCKS

Codelocks has launched a digital lock that enables managers to easily control and monitor door access. The CL5010AT tubular mortice latch lock records the use of individual access codes in an audit trail log. This can be useful in buildings where the protection of controlled assets or sensitive data is high on the agenda, as the lock will also register incorrect code attempts: a high number could suggest the lock is being tampered with.

To find out exactly who went through the door, and when, users can download and review the door activity data using a USB memory stick and analyse the data on a computer. Each lock has a unique number, which makes it easy for users to review the door activity from many different locks using the software supplied by Codelocks.

The software also significantly reduces the time it takes to program access codes and lock settings. "For example, managers might want to restrict access during certain times of the day or week. They can program time-sensitive access codes using the data management software within minutes, and copy settings from one lock to another, rather than programming each lock manually at the door.



■ CONTINUOUS HINGES

ANTI-LIGATURE INTERLEAF HINGES

For secure environments where the risk of self-harm is a major consideration, Phoenix Interleaf Continuous hinges from Cooke Brothers are now available with reduced ligature end caps as a specified option.

Cooke Brothers has reported a growing demand for the new Interleaf Continuous Hinges, particularly where the doorset design requires an ultra-narrow unobtrusive sightline between the door and frame. The new Phoenix Interleaf hinge reduces the typical gap created by a traditional heavy duty continuous hinge from 12mm down to a mere 3mm.

Ideally suited for 44mm and 54mm timber and metal doorsets, the aesthetical lines of the Interleaf hinge completely fills the void between the door and frame, reducing the risk of finger trapping considerably.

Incorporating the Phoenix high performance maintenance free polymer bearings, the new CE marked Interleaf hinges have been successfully tested to BS EN 1935: Grade 14 (160kg) and are CERTIFIRE approved for use on fire doors.



■ ELECTRONIC CABINET LOCK

NEW BORG CABINET LOCK



The BL200 is a new electronic lock from Borg, designed especially for cabinet and locker doors which range from 2mm to 22.5mm. Three different cams are available: 47mm offset cam, 35 and 45mm straight cams. The locks are powered by two AAA batteries for up to 10,000 operations indicator and feature a non-volatile memory, to retain programmed settings even when the batteries are removed. For total reliability there is a low battery warning and a 9v override if the battery runs flat.

Codes can be four, five or six digits long and thirty user codes are available as well as master and sub master codes. A locker mode/ one time user code makes the BL200 from Borg ideal for sports clubs and the unlock time can adjusted from 2 to 9 seconds



■ NEW USER FRIENDLY AND VERSATILE STRIKE

ABLOY STRIKES AGAIN WITH

Abloy UK has launched the new EffEff Electric Strike 75, which is one of the most user friendly and versatile strikes available on the market.

The EffEff Electric Strike 75-57R-87735Q31 offers a high degree of security, with a break-in resistance of 1500lb and provides a solution for many types of installation for medium duty applications.

This all-in-one electric strike features dual voltage and field selectable fail secure and fail safe operation and will open under a pre load of up to 65lb. The latch cavity accommodates cylindrical locksets with a 1/2-inch to 5/8-inch throw in wood or aluminium frames.

Latch bolt monitoring is also included as standard with a built-in electronic buzzer to indicate that the door is released. The standard ANSI lip accommodates a 1 3/4-inch thick door, which closes flush with the door frame. Where the door frame is larger, one or more of the 25mm strike lip adapters may be added as required. Abloy UK offers the strike pack including an electric strike, two 25mm LIP brackets, one stainless steel 4 7/8-inch by 1 1/4-inch plate, and a mounting kit.

■ DURABLE LEVER HANDLES

DURABILITY AND STYLE IS NOW THE NORM

duranorm, the range of lever handles from hardware specialists HOPPE UK, has been enhanced with new products and a new finish designed to make the handles even more durable. The duranorm range, which offers consistently good value without compromising on quality, now features stylish profile levers on a choice of rose or backplates, plus fittings in a hardwearing KTL finish.

The duranorm range from HOPPE is a suite of lever handles on roses and backplates for interior doors. They have been designed by HOPPE's own in-house R&D team to offer value-for-money style with a choice of designs and finishes. Suitable for

residential applications, the duranorm fittings are supplied complete with fixings and a solid spindle. Each handle has a choice of backplates or roses and matching escutcheons, indicators and turns are also available in the range. Included on a successful fire test to BS EN1634, the duranorm handles have been assessed for use on FD30 and FD60 fire doors and all are supported by a 5 year mechanical and operational guarantee. Each product in the series is available in polished brass effect, polished chrome effect or anodised silver finishes.

The duranorm range of door fittings are now available with a KTL finish, an extremely hardwearing electro-chemical coating process which is commonly used in the automotive industry. It allows aluminium products to achieve a highly polished finish that will withstand years of use without losing its original sparkling good looks.

Brand new to the range is the Dublin handle: a stylish square profile lever that is now available on a square rose that particularly suits modern interior schemes.



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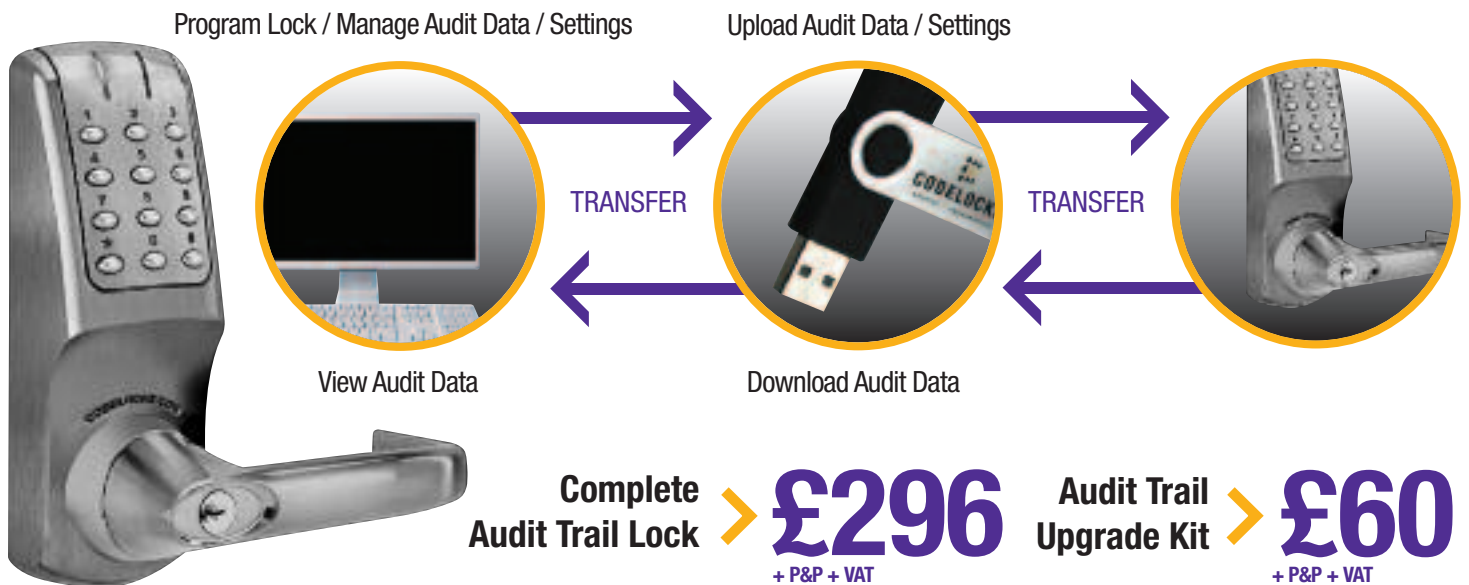
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