

Automatic Doors & Access Control Systems



INTEGRATED ACCESS SOLUTIONS

KCC Architectural

KCC Automatic Doors and Access Control, is a Division within the KCC Architectural Group; leaders in the specification and supply of a wide range of Architectural products.

KCC both manufacturer and provide a range of automatic doors for a wide variety of commercial, educational, hospitality, healthcare, institutional, industrial and transportation applications. We offer sliding, folding, revolving and swinging doors as well as a variety of sensors and access control systems.

In addition to manufacturing and installing these products KCC offers a comprehensive maintenance and service programme to meet the ever changing business needs of our clients.

As a total solutions provider, KCC understands the full range of challenges our clients face and this allows us to provide the best solution for their total entrance needs combining our automatic door systems with our aluminium facades and doors.

All of our work is installed to the highest current standards and norms by industry trained and accredited installers who all hold the BSEN16005, the European Standard for the specification and installation of automatic doors.

In addition all of our products comply with existing CEN and Disability Standards and KCC Architectural is a member of ADSA. (Automatic Door Suppliers Association).

For a free consultation and estimate, from design, fabrication through to supply and installation please do not hesitate to contact one of our branches.



Automatic Doors

KCC Door automation focuses on delivering a comprehensive solution to each building access needs from a large scale public building to a low energy operator for light traffic.

As an experienced provider of fully integrated access and automation systems, KCC supplies everything from the doors to the automation system. This is achieved by combining our 20 years' experience and partnerships with well established manufacturers in Europe.

Our Automatic doors are not just aesthetically pleasing, they can help regulate climate control in an entrance area whilst also offering a functional solution for people of all ages and abilities.

From conception to installation we are the single point of contact making sure that every project goes as smoothly as possible.

DOOR TYPES

- REVOLVING DOORS
- SLIDING DOORS
- CURVED SLIDING DOORS
- SWING DOORS
- FOLDING DOORS
- CLEAN ROOM DOORS
- HERMETIC DOORS



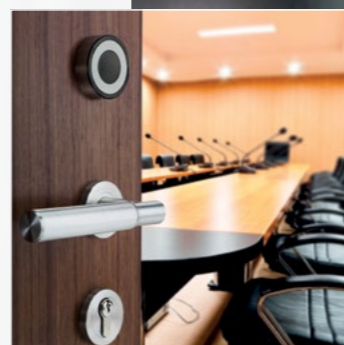
Access Control

The access control industry has seen many changes over the years, with advancements in technology keeping pace with the demands for a fully integrated security solution. Access control comes in many forms, from a simple standalone proximity/keypad, to a hard wired networked "on-line" software based access control system through to TCP/IP connectivity systems. The major change in access control is the type of data carrier & reader used to grant access. Proximity has been the standard for many years, but the need to provide a multi-use platform has led to RFID/smart cards becoming increasingly popular across industries. This form of data carrier allows the user to have a single card capable of controlling access control, cashless vending, tills and any other third part product that works on a RFID/smart card platform.

There is also a clever solution for the new build & retro fit market, with mortise mechatronic locks becoming ever more popular. Standalone and networked access control systems with both proximity and RFID/smart platforms are being supported on the lock case itself. Mechatronic locks are battery powered, which in turn communicate to a hard wired receiver that is located at high level, and a receiver is capable of communicating to multiple locks. This solution can also have the benefits of reducing cost, while providing a very stylish access control system.

ACCESS CONTROL

- FULLY NETWORKED ACCESS CONTROL
- RFID - SMART SOLUTIONS
- STAND ALONE SOLUTIONS
- MECHATRONIC WIRELESS LOCKING
- ELECTRONIC & MOTORISED LOCKING
- ELECTRONIC STRIKE & MAGNETIC DOOR LOCKS
- BIO-METRIC / RECOGNITION
- INTEGRATED VOICE & ALARMING
- IP INTERCOM & VIDEO
- NURSE CALL / PANIC ATTACK
- CCTV



Healthcare

1



2



3



1

Full rubber seal around the door to ensure maximum air tightness.

2

Touchless "Magic Switch" utilizing microwave motion technology.

3

Monitored Magnetic Lock .

St Vincent's Hospital Day Theatre -Dublin

Hermetic Sealed door to ensure hermetic closure against air, dust, chemical or bacterial attacks.

Meeting the ever evolving challenges of providing safe secure access and automation in the healthcare sector has long been a passion for KCC. Over the years we have assembled a whole stable of products specifically tailored to the healthcare environment which not only help to control the flow of people through a facility but also aid the constant struggle to maintain a clean safe environment.

Our specialist DL Clean automatic doors which incorporate a controlled airflow seal system are the ideal access solution for Theatres and Labs whilst our HDS hermetic automatic sliding door can create fully airtight environments, suitable for isolation units or other potentially hazardous areas. Our range of swing door units can be installed to new or existing doors and coupled with our touch free activation can create a touchless access solution. All our systems can be fitted with a lead core lining to conform to the standards as required.

Our revolving doors and fully glazed sliding entrance systems can give safe universal access into the main thoroughfare of a facility whilst minimising heat loss from the building using the most up to date glazing and thermally broken frame systems.

KCC can also create fully integrated access control systems which ensure the safety of both staff and patients in healthcare facilities. These systems can be coupled with our huge range of electronic locking devices to ensure the correct level of security is achieved depending on specific needs and that the system as a whole is fully compliant to today's challenging fire and access standards.



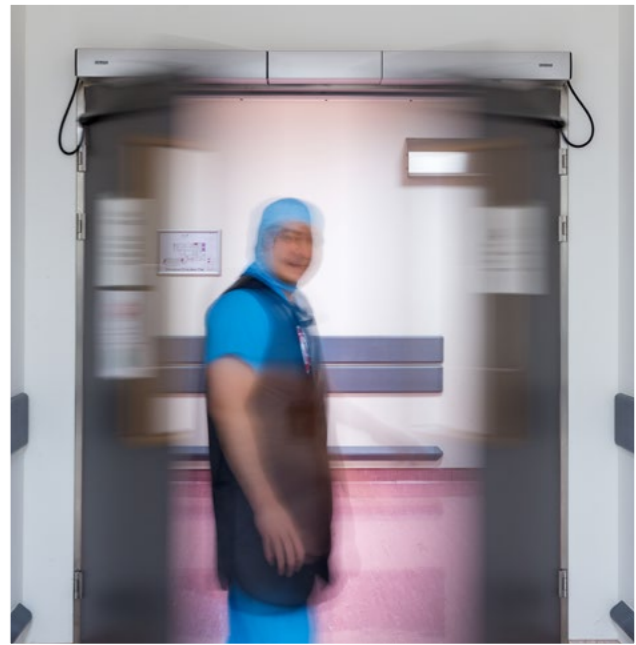
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Aside from our products our major strength is our experience in this sector with projects completed in most of the major hospitals and healthcare facilities in the country. All our installations enjoy the support of our service crews which operate from 3 centres to optimise coverage of the whole country.

- 1 Clean Room Sliding door with controlled leakage flow
Wexford General Hospital - Wexford
- 2 TSA 160 heavy duty Swing Door Operator
Santry Sports Clinic - Dublin
- 3 Safety Sensors prevent the door from coming into contact with the user which is essential in a hygiene controlled environment

Hospitality

1



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3



1

Onity OWL Lock works with Onity O'S software a high-tech combination which brings numerous advantages, such as real time access management, lock information without walking to the doors and added security and convenience without wiring the locks.

2

Onity HT24 Electronic Lock is PC compatible, user friendly and has direct interface with any PMS or POS system. The Magstripe Keycard is re-encodable, very cost efficient and it also features a dent to aid blind or visually impaired people.

3

Access 2 ST 41 Elite Contactless automatic locking is ideal for environments where security and control are required such as office buildings, where they are used extensively and for multiple purposes. It is compatible with all torque-proof fitted handles, suitable for wooden doors, pipe frame doors and glass doors and it also has an open interface for integration with existing systems.

Providing security and access to the hospitality sector goes far beyond just fitting a lock to a bedroom door. From the moment a guest arrives they are interacting with the access, automation and security systems of the hotel or guesthouse, from the main entrance foyer to the privacy of their bedroom. Creating the right impression whilst at the same time providing safe secure access for guests is at the forefront of KCC's approach to this Sector.

Our wide range of automatic door and entrance systems can provide the right kind of main entrance to any hotel and come in a range of finishes from Ral colours through to stainless steel and polished brass. These can also be integrated with our hotel locking systems to provide a seamless secure entrance to the building, controlling access not just for guests but for other trade users such as delivery personnel and staff.

Our hotel card locking system can provide fully networked or offline options depending on the clients needs. The guest cards can allow access to bedrooms, function rooms, gyms, room safes and any other areas of the hotel which guests need to access. Externally guest cards can be used to open car park barriers and for out of hours access into the hotel. Cards can also be integrated with point of sale software to generate virtual payments and billing within the hotel.

Our locking systems are available in a range of finishes to suit any hotel and design theme and represent the leading edge in terms of secure access technology.

Malone Lodge Hotel
- Belfast



Leisure

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1

Contactless access to room doors via wireless mechatronic lock with RFID / SMART card.

2

User entry access point for member / staff lockers.

3

Controlled access integrated with turnstile entry technology.

*Bangor Aurora Aquatic
& Leisure Complex*

*Curved Sliding Automatic Door
Operator perfect for creating a draft
proof, light and spacious lobby*

The Leisure Market requires specific access control and software management solutions. KCC have focused on providing exactly that. This customer requires an integrated approach and a fully supported "end to end" solution of door access control with automated staff and visitor access integrated to their members multi-platformed experience.

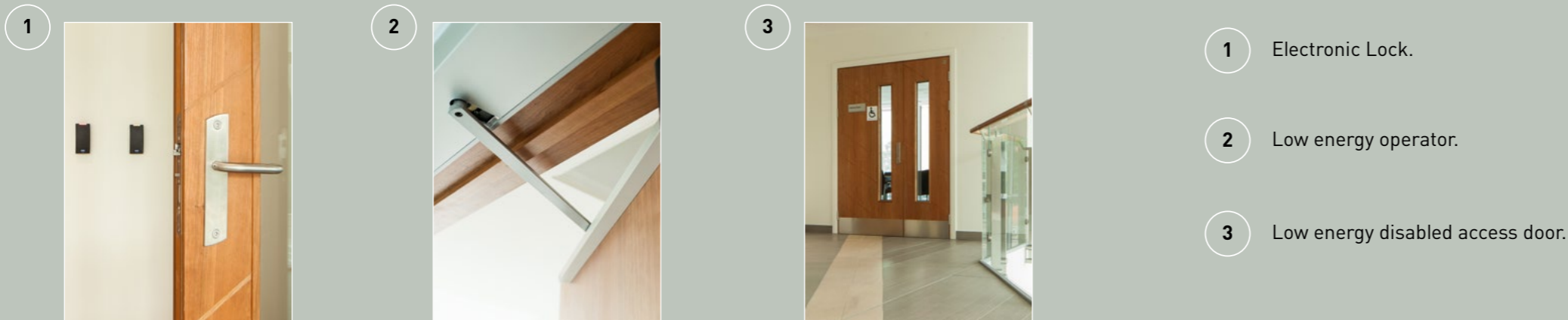
KCC has achieved this through strategic partnering with the market providers in this sector such as XN Leisure Solutions, Ganter Access Control & Evolve Automation. This has permitted KCC to offer an all important single point of contact for the building entry security and automation through the controlled reception area including individually controlled points such as member and staff lockers.

Our system solution is fully integrated with the users / clients software for ease of administration and reporting with enhanced performance and immediate and seamless communication between the hardware and software including browsing and fast track kiosks, entrance turnstiles, lift and door controls.

The system is IP structured, linked to the building's LAN thus offering the ability to add and control remote buildings and access points. The user credentials are also tailored with RFID and contactless smart, proximity and Barcode technologies are all supported offering the facility to provide disposable day ticketing, full staff and member cards and fobs including wrist bands for locker access.



Government & offices



- 1 Electronic Lock.
- 2 Low energy operator.
- 3 Low energy disabled access door.

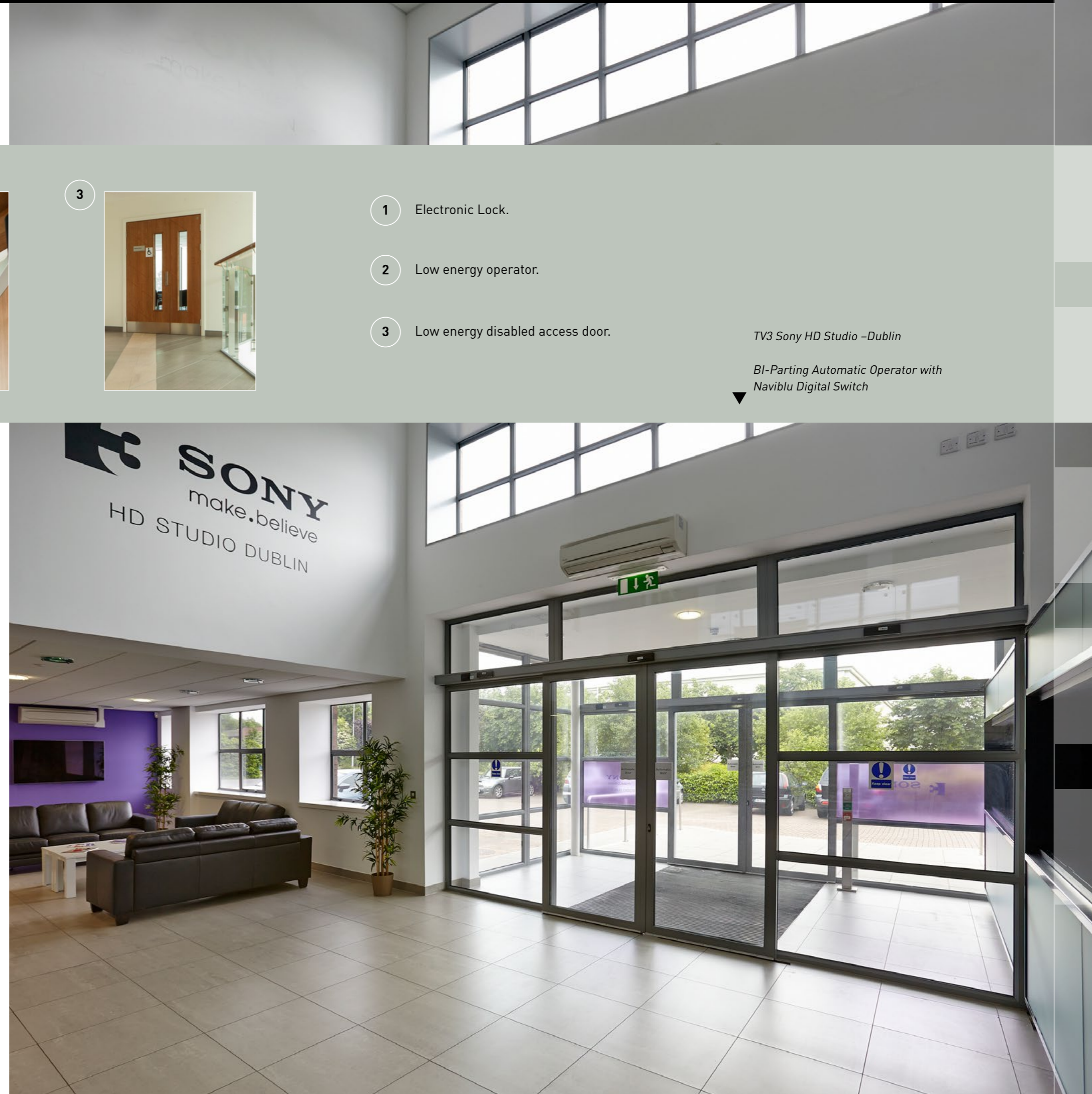
TV3 Sony HD Studio –Dublin

BI-Parting Automatic Operator with Naviblu Digital Switch

KCC is a market leader in security installations offering a single point of contact solution for many elements of a building project. From our revolving doors at the front of the building, to the emergency exit at the back, KCC will work with the design team and contractor to ensure all elements are installed to the highest standard. Secure movement around these buildings is essential and along with our door operators (swing or sliding) we can install an access control system to suit these security requirements. Certain areas of a government building and office blocks may require restricted access and KCC can work with the design team to decide the levels of security required and zone the building accordingly.

Operating nationwide, our team of service engineers are fully trained to ADSA, Machine Directive 2006 and EN16005 standards and their training is constantly updated. A door once automated is no longer just a door but is now considered a machine and all safety factors must be configured into each element to satisfy these standards. Installing an integrated access controlled system fully complements the security requirements.

By using KCC in your office fit out we can offer that single point of contact which will ensure the smooth installation of your automated doors and access control. Most importantly, installations are carried out by KCC Engineers to European Standards and all have vast experience in these types of fit outs. This gives the end user the comfort of KCC's support for the life time of the building.





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2



3



- 1 Slim Drive fire rated electro-mechanical operator system particularly suitable for installations for retro-fitting and in situations where space is at a premium.
- 2 On Door Safety Sensors to prevent contact with moving traffic.
- 3 FP200 Roller Finger Blind can be fitted to most single and double doors and is particularly suitable for automatic doors. The strong fabric material, kept under constant tension covers the gap between the door and frame automatically when door is open.



Education

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1

Diva Telescopic Single Sliding Door used to achieve maximum opening width in a tight space and is ideal for high traffic areas.

2

FP200 Roller Finger Blind is particularly suitable for automatic doors and provides effective protection against fingers being trapped on the hinge side of the door. The strong fabric material, kept under constant tension covers the gap between the door and frame automatically when door is open.

3

CCTV Monitor which aids in the visual security and movements throughout the building.

Sports Hall
Blackrock College
- Dublin

We at KCC recognise that in the education sector there is always a conflict between the need to provide universal access into buildings with the need to keep both buildings and students secure and safe. KCC has always been able to overcome these conflicts by integrating advanced access control systems with our automation products as well as tying in with fire safety systems to ensure emergency egress is always provided.

Our Axiom Access Control Solution can be programmed to open doors at particular times of the day whilst allowing for weekends and holidays within this programme. The system can be tied in to intercoms and automatic operators to allow out of hours access and special access depending on need.

Our range of door mounted proximity locks can provide networked controlled access for both classrooms and accommodation units eliminating the need for keys and giving a full account of who has passed through doors. This can be achieved without the need for hard wiring of the doors and so is ideal for existing buildings as well as new projects.

With the focus on more energy efficient buildings in our schools and campuses the KCC Ecodrive automatic door system strikes the ideal balance between security, access and thermal performance with a u value of 1.5 achievable whilst still giving the convenience of a fully automatic entrance system. Where space is an issue our Diva Telescopic door can maximise entrance size from a small footprint. On existing or new swing doors our range of swing door drivers can be installed to bring the doors up to the new DAC Standard in a safe and efficient way both, internally and externally.

KCC are always happy to provide consultation and guidance on the best complete system for any education building and can draw on over 20 years experience in the sector.



Transport

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1

Magnetic Lock installed in internal and external door at Park West & Cherry Orchard Station Dublin

2

Slim Drive SL BI parting Automatic Door at Terminal 2 Dublin Airport specially designed to match the forward angle of the building facade.

3

Slim Drive SL operator at Connolly Station Dublin

George Best Belfast City Airport - Belfast

Above all other sectors the Transport sector stands out with massive user volumes, high security requirements and a need to minimise any downtime due to systems failure.

In answer to these requirements KCC can provide severe duty high use automatic door systems such as our Diva 5 sliding doors, which are used in Airports and transport hubs Europe wide in single, double and telescopic configurations giving fast opening wide access points. They are even used successfully on a number of sea ferries in external applications which represent the harshest conditions a door will encounter.

To control the flow of people through transport facilities we can provide turnstile systems which link to ticketing and security systems as well as interlocked automatic door pods.

For access to areas away from the public thoroughfares KCC offer a range of stand alone and networked access control systems capable of high use with high numbers of users who can all be given access rights only to the doors they need to go through. Movement through the buildings can be monitored through the software which can give a definitive record of who went where as well as who tried to access areas which were not on their access rights.

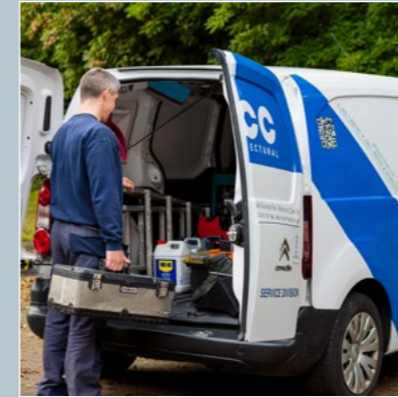
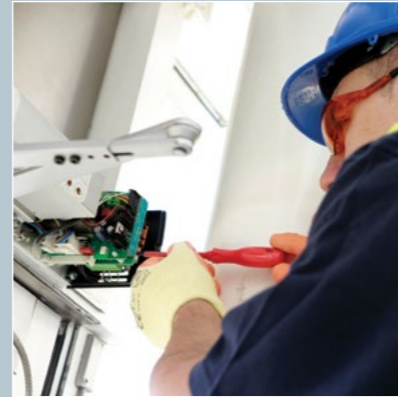
Our range of electronic locking hardware coupled with our access control can always deliver a fully compliant secure installation.

All our systems are designed to fit in with the aesthetics of Modern transport facilities and we have even installed sloping automatic doors to Terminal 2 in Dublin airport to tie in to the buildings overall façade design.

As with all our systems our transport installations can enjoy the full backup of our 24 / 7 service and maintenance division which can offer tailored packages with shorter response times to minimise interruption in transport functions.



Service & maintenance



At KCC Architectural we believe that the best way of taking care of your interests is by taking the best care of your equipment. We pride ourselves with providing the highest quality of service.

Operating nationwide, our team of service engineers are fully trained to ADSA and EN16005 standards to offer complete service and maintenance packages that ensure your peace of mind.

With the entry point being the busiest area in your building, the continued operation of your entrance products is vital. Regular service over the lifetime of your equipment ensures reliability, optimum performance and minimizes your liability to risk.

KCC offer a full range of Service and Maintenance Agreements for all makes of automatic doors and access control systems, tailored to suit your individual needs and budgets. We carry out performance checks and provide documentation with every visit to assure your door system operates as designed and meets regulatory requirements. We also offer a 24/7 service to all of our customers with service agreements.

KCC Architectural is committed to Total Customer Care. Our goal is to be a real performance partner to you, our customer, offering cost effective planned preventive maintenance for maximum operational availability and efficiency for your equipment.



Healthcare St. Vincents

KCC Architectural supplied and installed four single sliding 2mm lead lined sliding single clean automatic doorsets in the Day Theatre in St Vincent's Hospital. The HDS clean doors ensure a sanitary defense barrier which provides exceptional air tightness combining a powerful operator and a tight door panel making it suitable for the sanitary sector.

The operator lifts and moves the door panel in a safe, smooth and fluid movement. The opening of the door is a fully automatic operation controlled by various systems specific for each use (remote control, foot level or elbow level pushbutton, hands free swipe system, detection radar, etc.). KCC also supplied

and installed 13 doorsets with wrap around steel frames, Amray encapsulated timber doors complete with a timber lead lined doorset. KCC Architectural has a long standing relationship with the health, pharmaceutical and advanced technology sector.

We provide solutions when a controlled atmospheric environment is required such as Hospital Theatres, Clean Rooms, Laboratories and Manufacturing Plants.



Case Study 1



Leisure/Education Glen Community

KCC engaged at an early stage on this Design and Build project with the principle contractor Glasgven Contracts and architect Knox & Clayton.

Our brief was to offer an overall strategy of secure access and door packages to meet the security and access needs of the project.

The building use was to be multi disciplined for various community needs to include a sports hall and games room, boxing club, crèche and segregated floors and areas for varied community use including education and crafts.

The ground floor also had three retail units for private use.

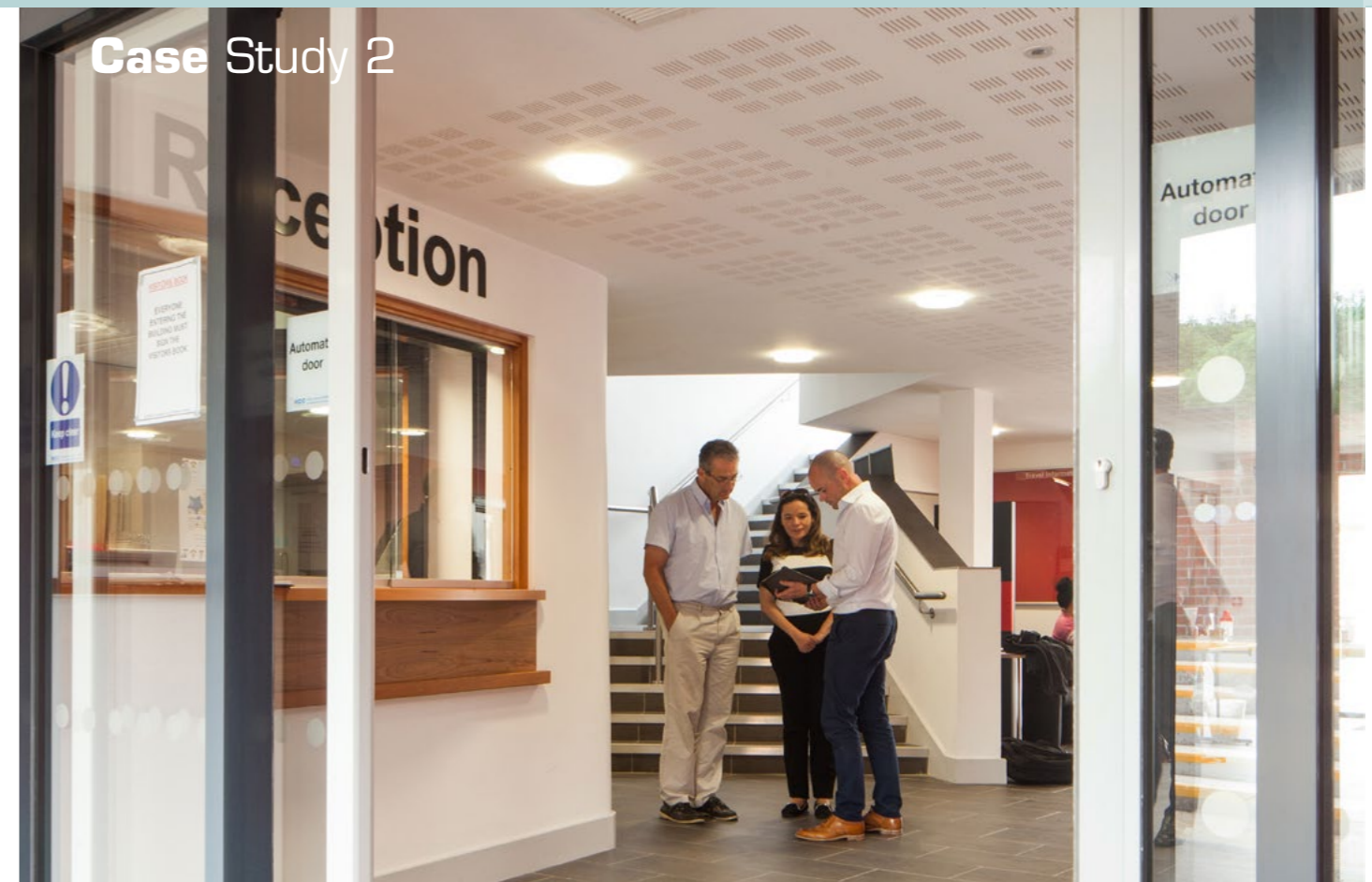
Our instruction was to design a suitable security system allowing the secure flow of staff and users throughout the building whilst protecting particular areas within. KCC had to fully consider the security level required also ensuring that emergency escape regulations and disability needs were met fully.

This was achieved with the provision of a networked door access control system centrally controlled by the staff to the building perimeter and designated internal doors leading to specific areas where only authorised staff could gain access. KCC were able to provide this solution to Main Entrance lobby integrated to a full EN security sliding automatic door system and a visitors CCTV and door

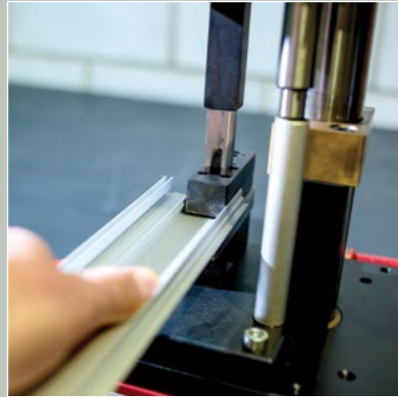
intercom system. This was repeated at varied entrances around and inside the building including further automatic door systems to the retails units. KCC were also able to add a locking strategy to the manual doors with a grand and sub mastered keying system supplied with the door ironmongery package.

This project and its complete end to end solution proved an exciting opportunity for KCC to offer fully certified door solutions where the end user has a single point of contact for all elements of the door automation, electronic locking and building security all of which are supported by the extensive service division allowing optimum performance and longevity.

Case Study 2



Aluminium door profiles



Most automatic aluminium doors are constructed as a frame with the glazing installed as a 'clip in' which allows for slight movement in the glass which confuses the motors putting stress on them and shortening their lifespan.

KCC has overcome these historic problems by using a 'sandwich' method of manufacturing where the glazing is the starting point of the panel and the aluminium profile is compressed around the glass creating solid panel with no chance of movement thus greatly improving the lifespan of the door.



Technical Standards



ADSA (Automatic Door Suppliers Association) was formed in 1985 for the purpose of ensuring that its members offer superior levels of safety in pedestrian automatic doors.

ADSA was the first organisation to develop an industry code of practice covering the safety aspects of automatic doors for pedestrian use. This code formed the basis of BS 7036: 1988, the updated standard BS 7036: 1996 and the new BS EN 16005 – 2012, which replaced BS 7036 in April 2013.

KCC Architectural is a member of ADSA and our team of engineers, technical and sales staff are ADSA trained. They can advise on every aspect of automatic doors, from the initial selection and specification through to installation, ensuring clients end up with the right type of automated door for their particular requirements.



PSA LICENCE The Private Security Authority (PSA), established as part of the Private Security Act 2004, is a statutory body responsible for the licensing and regulating of the private security industry in Ireland. They control and supervise

individuals and firms providing private security services and investigate and adjudicate on any complaints against them.

Since the PSA came into effect, it is a criminal offence for a householder or proprietor of a premises to purchase or hire Security Services (Burglar alarms, CCTV, Access Control, etc.) without ensuring that the selling and installation Company has a PSA Licence.

KCC Architectural has a licence for Access Control and CCTV from the Private Security Authority.

You can check if a contractor holds a licence on www.psa.gov.ie and click on Licence Holders Register.



CERTIFIRE: KCC Architectural is a member of the Exova Warringtonfire Certifire scheme. This is an independent third party testing body that provide certification to verify performance, quality, reliability and traceability of fire rated products. Using certified products, correctly installed, provides a powerful demonstration that due diligences has been followed. For architects, specifiers, contractors and building owners CERTIFIRE provides assurances that fire protection products and systems, once correctly installed, will achieve the required performance, therefore avoiding costly mistakes and dramatically reducing risk.



SAFE-T-CERT is a third party accredited health and safety scheme developed jointly by the Construction Employers Federation in Northern Ireland and the Construction Industry Federation in the Republic of Ireland.

It was developed from the 18001/2 documentation but enhanced specifically for the construction industry. It is based on 'best practice' requirements for international and national bodies, including ILO guidelines. Safe-T-Cert is recognised under the 'Buildsafe' initiative in Northern Ireland, the 'Construction Safety Partnership' in the Republic of Ireland, and Safety Schemes in Procurement (SSIP) in the United Kingdom.

KCC Architectural is certified in operating a health and safety management system in accordance with the requirements of the Safe-T-Cert.



EQA (European Quality Assurance) was founded in 1994. The EQA is an impartial independent certification body that possesses the competence and responsibility to

assess and provide certification to state that a company / individual complies with a particular standard, using the rules of procedure and management, in accordance with Irish, European and International standards. They are globally recognised and comprise of a highly qualified panel of auditors and technical experts with vast industry and auditing experience. KCC Architectural is certified with SR40: 2005. This is the standard that governs Access Control & CCTV.



GAI (Guild of Architectural Ironmongers) KCC is a member of The Guild of Architectural Ironmongers. The GAI was founded in 1961 to promote standards in integrity and excellence in the industry of Architectural Ironmongery. Several members of KCC staff have been awarded Diploma's from The Guild of Architectural Ironmongers, which consist in a culmination of three years of study and certifies that that the holder has a broad knowledge and understanding of ironmongery and the relevant European Standards. No other scheme offers such a broad knowledge and understanding of ironmongery which is why it is the most recognised qualification in the industry.



KCC Architectural is the exclusive distributor and installer of ARAS & RBH Access Control Systems in Ireland, North and South. Our engineers are fully trained and certified to install and service ARAS & RBH products both hardware and software.



KCC is a member of Construction Line which certifies that the company has met pre-qualification requirements appropriate for public and private sectors procurement.

KCC ARCHITECTURAL - TOTAL PACKAGE SOLUTIONS

In addition to Automatic Doors & Access Control KCC Architectural offers a vast range of Products and Services to be your one Stop Shop Solution Our Portfolio of Products are Structured Around 4 Distinct Divisions



- Swing Doors
- Sliding Doors
- Curved Sliding Doors
- Bi-folding Doors
- Revolving Doors
- Under Floor Swing Drive
- Electronic Locking Systems
- CCTV
- Access Control

- Schuco Jansen Steel Glazing Systems
- Fire & Smoke Curtains
- Steel Doors & Frames
- Timber Doors & Steel Frames Sets
- Movable Walls

- Service Level Agreements
- 24/7 Call Out
- Breakdown & Repairs

- Door Furniture
- Locks & Cylinders
- Door Closers
- Hinges & Pivots
- Panic Exit Hardware
- Anti-Ligature Hardware
- Anti-Bacterial Coating



KCC Architectural with its headquarters in Ballymount, Dublin, operates throughout Ireland, North and South, UK and Qatar (Middle East).

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