

Education

investing in the future



Setting the scene

Transforming educational outcomes. Big Idea. Big numbers.

The education sector is embarking on the most ambitious transformation ...perhaps ever.

A consistent and sustainable step-change in 'educational outcomes' requires a shift from traditional construction thinking. If inspiration and aspiration are the big ideas; actual delivery needs a robust value proposition and a true partnering environment.

The numbers are certainly impressive.

3500 Secondary schools. 15 years. £60 Billion plus.

Augmenting the 'Building Schools for the Future' programme is new funding for the primary sector under the 'Primary Capital Programme'. These burgeoning C21st educational needs mean that more schools will be built or transformed every year than were built in the last decade of the C20th in total. Stakeholders need to be 'big' enough to stay the distance.

Big in expertise, resource and commitment. We meet that test.

Understanding the sector

The stage-gates for learning.
All needs, common and specific, must be understood to reach the optimum solution.

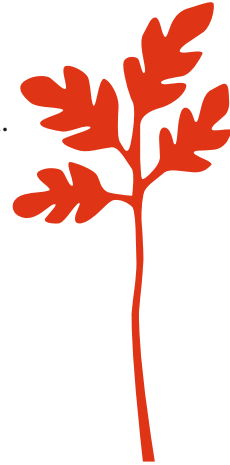


PRE SCHOOL

The precursor to formal education.

At this tender age our children have simple but crucial needs. Parents and carers too. Safety and security are 'givens'. Protection both from dangers within - often saving them from themselves as they explore their new environment - and without; where our concerns are more sinister.

With this groundwork done, more positive aspects can flourish. Environments rich with comfortable, accessible spaces. Bright, stimulating areas; full of colour. Places where children can begin to learn.



PRIMARY SCHOOL

The formative years.

More boisterous now, our children are flexing their collective will. They are testing the boundaries of their independence. Using higher value equipment as an everyday occurrence. Installed products clearly need to be safe in use and able to stand up - year in, year out - to pupils who tend to "exhibit a lack of care".

They still need a safe, secure place in which to grow. What they want - and need - is to be inspired. They will do the rest.



Inspiring, yet practical, solutions are borne of innovative, collaborative thinking. We do that.



SECONDARY SCHOOL

Accelerated learning.

New buildings, incorporating innovative design and methods of construction, are springing up. Spaces need to be supremely functional and flexible. They are in great demand: places for after-school activities, for sports, for community involvement.

It's the peak of the use and abuse cycle, when performance counts and failure costs. Safe, robust construction elements are essentials, not luxuries that are "nice to have".

As greater empowerment demands greater responsibility, greater freedom demands greater organisation.



UNIVERSITY/ HIGHER EDUCATION

The final straight.

Living on campus, this is now home from home.

It brings its own issues. Personal security is as important as ever. Greater scale and diversity means accessibility takes on a whole new meaning and the value of equipment used – both personal and establishment – is greater than ever before. Students, each arriving with thousands of pounds worth of personal possessions, add to the valuable – and vulnerable – faculty equipment tally.

For universities the commercial world is all too real. After all, they are in competition with each other.



Fluency in building

No one-trick-pony; we can add value and expertise at any stage in a project.

World-leading solutions within Ingersoll Rand's five technology sectors range from excavators, road development vehicles, compressed air plant and generators to refrigeration, lighting towers, tools, compact utility vehicles and of course doors and openings solutions.

In the UK, Ingersoll Rand Security Technologies sector offers automated openings, performance doorsets, architectural hardware, electronic access control and time & attendance; all supported by a nation-wide network of installation and service engineers offering both site personnel and end users the assurance they need. All benefit from established, world-leading brands, a long and enviable reputation and the resources to tackle projects on any scale.

Integrated doorsets can be designed, installed, commissioned and, if required, maintained...all through one dependable source. This is perfectly suited to MMC techniques and offers considerable performance advantages, whole-life cycle benefits and sustainability credentials over a traditional timber installation.

Winning form from a thoroughbred stable.



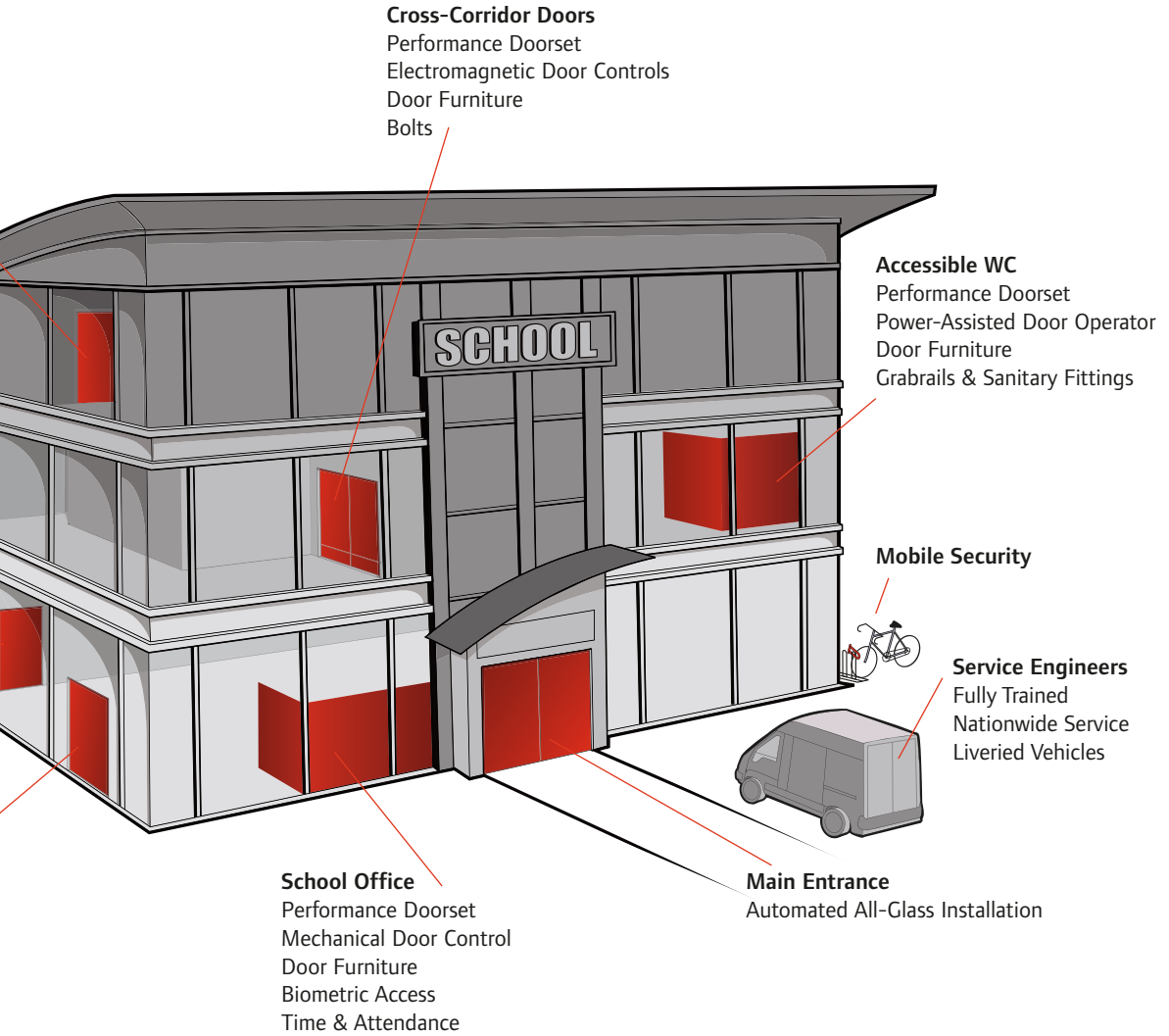
Science Lab
Performance Doorset
Mechanical Door Control
Door Furniture

Rear Entrance
Performance Doorset
Mechanical Door Control
Door Furniture
Biometric Access
Time & Attendance

Emergency Exit
Performance Doorset
Emergency Exit Device

Performance Doorsets

Steel doors and frames
Colour Powder Coated | Woodgrain
Fire | High Security
Acoustic | Ballistic
Up to 4 hour fire rating
Custom Apertures
Hardware Packages



Automated Openings

Sliding | Folding | Pivoting | Swinging
 Single | Double | Multi
 Supply | Installation | Commissioning

Service

24 / 7 / 365 Repair
 Planned Preventative Maintenance

Hardware

Door Controls
 Commercial Locks
 Stainless Steel Door Furniture
 Nylon | Microban Anti-Microbial
 Combi Stainless Steel & Nylon
 High Security Cylinders & Keys
 Mobile Security

Time & Attendance

On / Off line Systems

Access Control

Electronic Locking Systems
 Biometric Readers
 Mag-Stripe Readers
 Proximity Readers
 Electromagnets
 Mechanical Digital Locks

Stakeholder Priorities

If transforming educational outcomes is the much heralded pudding, we would all do well to remember who is doing the eating.



USERS

PUPILS | STUDENTS | TEACHERS | PARENTS | COMMUNITY

- Versatile, quality spaces
- Distraction-free learning
- Safe, inspirational surroundings
- Well equipped extra-curricular capacity
- Attractive yet robust materials
- Rich in communication and IT
- Accessibility for all



GOVERNMENT & AGENCIES

LEA | LEP | BSF | PFS | CABE | PCP

- Best value
- Efficient delivery
- Transparency & teamwork
- Innovative design
- Full inclusion
- Community cohesion
- Public satisfaction and civic pride
- Sound environmental credentials
- Accredited financial stability



CONTRACTORS

MAIN | SUB | OEM | SPECIALIST

- Realistic capital costs
- Supply chain predictability and visibility
- Less on-site, more off-site labour (MMC)
- Low whole life costs
- Risk transference
- Authoritative advice and expertise
- Response and speed to site
- Robust, repeatable processes

So, there are many demands and expectations. Many are seemingly opposing.
Is it possible to meet these needs...from a single source?
With Ingersoll Rand Security Technologies it is.



Our capabilities focus on your priorities

A day in the life

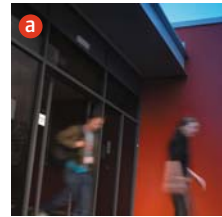
Everybody likes an easy life.

Ordinary, everyday events shouldn't create a drama.



Time	Event	Category / Product
8.00	Teachers gain entry via card reader	Electronic access control (proximity cards)
8.50	Pupils enter main building	Automated openings (bi-parting auto doors)
9.00	AM electronic registration	Time & Attendance (biometric terminals)
9.10	High pupil traffic in corridors	Hardware - door controls (electromagnetic hold open)
12.00	Lunch in dining hall	Time & Attendance (mag swipe cards)
13.15	PM electronic registration	Time & Attendance (biometric terminals)
15.30	Pupils leave school	Automated openings (bi-parting auto doors)
15.50	High value equipment stored	Steel doors & hardware (mechanical locks & exit devices)
16.00	Cleaning of toilet areas	Hardware (specialist WC fittings)
18.00	Caretaker locks main building	Steel doors & hardware (mechanical locks & exit devices)
18.15	Vandalism noted - call placed to service engineer	Service (24/7 response)
18.30	Perimeter gates secured	Mobile security (padlocks & security cables)

	Purpose	Benefits
	Restricting access to authorised persons	Convenience. Security. Safety
	Safe, accessible passage. High visibility entry ^a	Safety. Convenience. Prestige
	Monitoring / recording ^b	Accuracy. Dependability. Comfort
	Smooth flow / reduced abuse and injury risk	Safety. Durability
	Monitoring dietary intake and free meal allocation ^c	Simplicity. Accuracy. Comfort
	Monitoring / recording AM/PM discrepancy report	Accuracy. Safety. Dependability
	Safe, accessible passage	Safety. Convenience
	Loss prevention	Security. Economy. Performance
	Antimicrobial protection reducing cross-infection ^d	Comfort. Safety
	Preventing physical access ^e	Security. Safety. Economy
	Prompt Repair & maintenance ^f	Convenience. Economy. Comfort
	Preventing physical access to grounds	Security. Safety



Automated openings



Biometric access control



Swipe/Proximity card



Normbau handles & grabrails



Performance Steel Doors



Service Engineer

Real-life solutions. Real-life benefits.
Extraordinary thinking

Sustaining & Maintaining

Sound procurement is half the battle...
ensuring function over time, the other.

Issues of sustainability in construction procurement are fundamental to the achievement of best whole-life value. Our products are designed and manufactured – utilising the latest advances in sustainable materials technology – to help us meet, indeed exceed, all current EN standards and regulatory drivers.

We are renowned for producing product based solutions which offer exceptional reliability and longevity, even in demanding applications. The fewer the replacements, the less resource expended, the least cost involved.

But this is not the whole story.

We recognise that proper maintenance is a key consideration for the sustainability of buildings over their entire lifecycle. This is where our mix of a proactive and responsive service culture takes up the fight. Fully qualified Ingersoll Rand engineers provide a 24/7/365 repair service throughout the country. Our engineers are direct employees, which means we maintain total control of our servicing performance. We can also offer a planned preventative maintenance programme - from a single building to a widespread campus – giving real peace of mind long into the future. This is backed by rigorous training procedures and a closely monitored management control system.

If it was worth buying, aren't you going to want to keep it that way?





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Access for All.

We recognise the need for clear advice and innovative solutions to help service providers to fulfil their duties under the Disability Discrimination Act (DDA). Interpreting the design requirements contained within Building Regulations Approved Document M (2004) and British Standards Code of Practice, BS8300 is, for many, a daunting prospect. It need not be. As a global manufacturer and supplier of construction products directly impacted by this all-pervading legislation, Ingersoll Rand Security Technologies are able to offer specification insight without peer in our sector.

An expansive portfolio and expertise in openings and related hardware allows us to demystify specific issues - such as maximum opening forces, visual contrast, the 'not cold to the touch' element - and provide our customers with the highest level of confidence. A free of charge 'openings audit' service further enhances our capabilities in this important field.

Our independently accredited, DDA focused CPD seminar has been delivered to thousands of architects, contractors, end users, building control and other construction professionals throughout the UK. Supporting literature, including our 20 page 'DDA Design Guide', is recognised as the most comprehensive and authoritative in our industry.



Credentials

Capable. Accountable. Responsible.

We are proud of our association with many leading architects and designers, contractors and construction professionals. In the education sector, we have contributed to the successful delivery - and on-going development - of schools, colleges and universities throughout the UK and Europe. Our project portfolio is extensive; from the smallest pre-school to partnering projects on the largest multi-site developments - such as The University of the West of England.

Ingersoll Rand Security Technologies is an integral part of the Ingersoll Rand corporation, a diversified industrial concern with annual operating revenues of some \$11 billion. We understand construction. We understand buildings.

Ingersoll Rand embraces robust processes and metrics across its entire global organisation - however we don't expect you to take our word for it.

Reassurance, where it needed, comes in the form of controlled activity monitoring and independent auditing against strict Sarbanes-Oxley criteria (SOX404) for financial, commercial, ethical and environmental practices.

'Companies that have more confidence in their control structure and are evaluating accounting risks enable investors and customers to have more confidence in their reliability'.

Naturally, we have ISO9001 and ISO14001 accreditation.

Being both a RIBA Manufacturers Network member and accredited RIBA CPD provider further supports our aim of providing a holistic, best practice approach to the demands of modern construction.





Ingersoll Rand's Security Technologies Sector is a leading global provider of products and services that make environments safe, secure and productive. The sector's market-leading products include electronic and biometric access-control systems; time-and-attendance and personnel scheduling systems; mechanical locks; portable security; door closers, exit devices, architectural hardware, and steel doors and frames; and other technologies and services for global security markets.

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