

**GARTEC**

**VIMEC AR:IA  
COMMERCIAL  
CABIN LIFT**



Gartec was founded with a clear aim, to become the leader in platform lift solutions with a hassle-free experience, making buildings more accessible, opening up possibilities and options for users. One of our key objectives is to use our expertise and knowledge so that we can deliver exceptional service. The use of well-designed lift products has led us to shape the industry and become an award-winning business.



## **OUR PROMISE TO YOU**

With over 30 years history and industry knowledge we provide an easy experience, exceeding expectations every time. Our purpose is to provide the right solution to our customers, helping people to live better. Our reliability and consistency is what makes us a popular choice for platform lift products and we always look at ways to continuously improve to support our customers needs.

# ABOUT VIMEC AR:IA CABIN LIFT

**Compact, Safe, and Eco Friendly** – The Vimec AR:IA Cabin Lift is a quiet, compact, and eco-friendly solution that combines safety with ease of installation. Featuring full Machine Room-Less (MRL) technology, it maximizes space efficiency by eliminating the need for a separate machine room. Designed with sustainability in mind, it requires minimal maintenance and operates without messy oils or fluids, making it both environmentally responsible and user-friendly.

## FEATURES AND SAFETY

Safety is a top priority, and the AR:IA Cabin Lift is designed to deliver complete peace of mind.

### **Compact & Space-Efficient**

Electric, Machine Room-Less (MRL) traction technology—no additional space required beyond the shaft. Ideal for modern commercial buildings with limited space.

### **Protection When You Need It**

In the event of a power outage, a reliable battery-powered system automatically lowers the lift to the nearest designated landing, ensuring a safe exit for any passengers. For added peace of mind, an integrated emergency auto-dialler immediately connects to assistance, providing an extra layer of safety and comfort in the event of an emergency.

### **Certified Safety Compliance**

Fully complies with the European Machinery Directive (2006/42/EC), meeting strict safety standards for platform lifts in commercial settings.

### **Built-In Protection**

Equipped with advanced features including emergency stop button, overload sensors, full-height photocell barriers, automatic door-closing systems and fire alarm auto-homing for reliable, secure operation.

### **Quiet & Smooth Performance**

Inverter-driven technology enables soft starts and stops, minimising noise and vibration—ideal for offices, healthcare environments, and other noise-sensitive areas.

### **Quick Installation & Low-Impact Maintenance**

Pre-wired systems allow for rapid installation—two-stop units in masonry shafts can be fitted in under a week. All maintenance is carried out safely from inside the cabin.

### **Future-Ready Design**

Designed for long-term use with flexible upgrade options. Components and finishes can be refreshed without dismantling the entire system.



# MAIN BENEFITS

- **Advanced Lift Technology:** The AR:IA cabin lift combines intuitive controls with advanced safety systems, delivering reliable performance and a smooth user experience across commercial environments.
- **Customizable Lift Design:** With a wide range of cabin finishes and materials available, the AR:IA can be adapted to suit branding, interior design schemes, or specific project requirements.
- **Sustainable Lift Solution:** Designed for energy efficiency, the AR:IA uses eco-conscious materials and low-consumption components—supporting sustainability goals and reducing ongoing operational costs.
- **Flexible Upgrades:** The flexible wall panel system allows for straightforward updates to the lift cabin's appearance without replacing the full structure—ideal for refurbishments or evolving space requirements.

# TECHNICAL DETAILS

Motor	1,5kW (2.2kW heavy load version)
Power Supply	1ph 25A
Standard Load Capacity	Up to 400 kg (4-5 persons)
Heavy Load Capacity	Up to 450 kg (5-6 persons) with telescopic doors
Speed	0,15 m/s
Travel	Max 14,6 m
Number of Stops	Up to 6 max
Minimum Headroom	2650 mm
Pit Depth (with factory flooring)	120 mm
Pit Depth (with clients own flooring, up to 20 mm thick)	140 mm
Standard Cabin Height	2000 mm
Entrance Confirmation	Single, Through and Adjacent
Doors Height	2000 mm
Telescopic Doors	2, 3, 4 Stage fully automatic
Compliance	Directive 2006/42/EC "Machinery Directive Directive 2014/30/EU "Electromagnetic Compatibility

\*All technical data are subject to change. Gartec reserves the right to modify specifications without prior notification.

“A superb team of fitters who went the extra mile to keep us informed in a friendly, professional manner. They worked tirelessly to meet our deadline, even when faced with delivery delays. The lift engineer was always helpful and happy to answer all our questions.”  
Southwell Methodist Church

## Capacity in kilograms based on cabin type and versions:

CABIN CONFIGURATION	HEAVY LOAD VERSION
Base (two solid walls)	500 kg
Base with 1 glazed wall	450 kg
Base with 2 glazed walls	450 kg
Base with 1 telescopic door (solid)	450 kg
Base with 1 telescopic door (solid) and 1 glazed wall.	400 kg
Base with 2 telescopic doors (solid)	400 kg
Cabin with 1 telescopic door and 2 glazed walls	350 kg
Cabin with 2 telescopic doors (solid) and 1 glazed wall	350 kg
Cabin with 1 telescopic glazed car door	400 kg
Cabin with 1 glazed telescopic car door and 1 glazed wall	400 kg

HEAVY LOAD SPECIFICATIONS
Max. load 450 kg (5-6 persons) with telescopic doors
Available exclusively with platforms: <ul style="list-style-type: none"><li>• 1140 mm x 1400 mm</li><li>• 1000 mm x 1250 mm</li></ul>
Maximum speed 0.15 m/s
Counterweight 150 kg OPTIONAL when paired with 2.2 kW motor*

\*Recommended for lifts over 6 m travel with frequent use, such as small commercial buildings.

## Shaft lighting characteristics

In accordance with the European Directive 2006/42/EC 1.1.4, all internal components requiring frequent inspection, adjustment and maintenance must be equipped with adequate lighting - for this reason, an auxiliary LED lighting system for the shaft is now included as standard.

# ON-BOARD PUSH-BUTTON PANEL

The full-height, on-board push-button panel is supplied in a sleek Similinox stainless steel effect as standard. Measuring 2000mm x 230mm with a slim 20mm wall projection, it delivers a compact, streamlined finish that complements contemporary lift interiors.

For lifts featuring stainless-steel walls, the panel is matched in material and finish (polished lined or brushed) to maintain a consistent aesthetic.

## Standard features:

- Square mechanical buttons for floor selection, door opening and emergency functions
- Emergency stop button
- Integrated load sensor
- LCD display with floor and arrow indicator
- Landing position indicators
- Autodialer with 4G GSM including battery backup power
- UK fire rated telescopic doors (2 hours per door) EN81-58
- Handrail

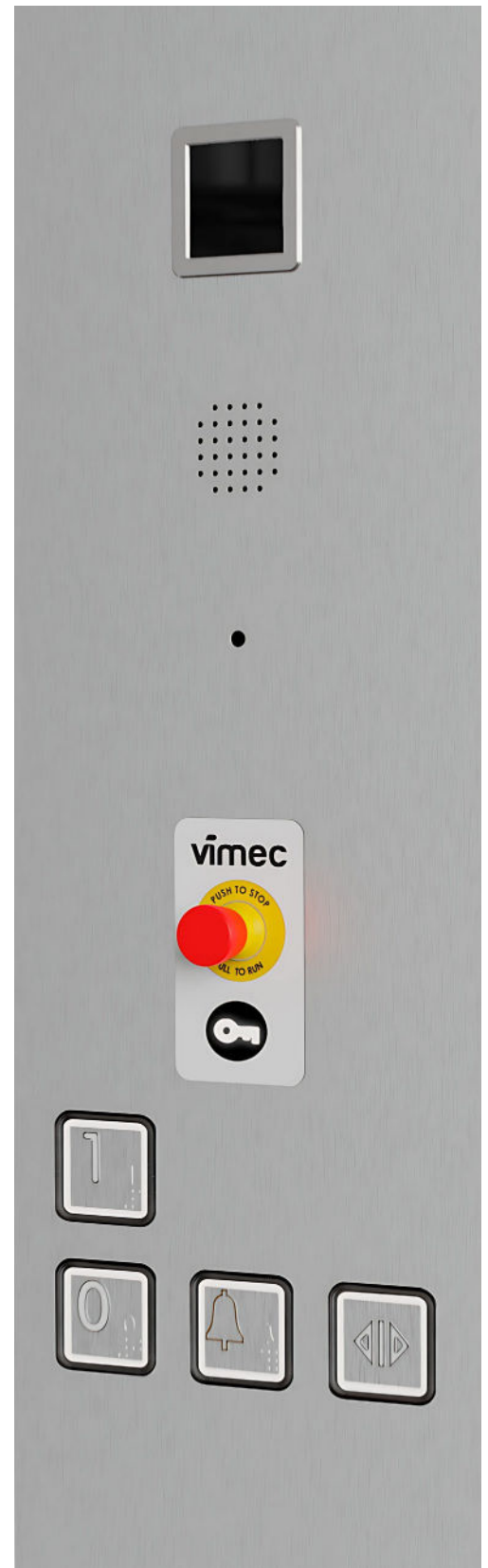
## Optional components:

- Radio frequency identification card (access control)
- Induction loop

The square buttons (56x56mm; active area 50x50mm) are made from durable, transparent polycarbonate and are tamper-proof. Each button is backlit (blue), with the emergency button highlighted in yellow. Symbols and floor numbers are clearly labelled, incorporating braille and tactile for accessibility. Button spacing is 19mm to ensure ease of use.

The “bell” and door-opening buttons are always backlit for visibility.

This control panel is fully compliant with EN 81-41:2011, ensuring it meets all necessary accessibility and safety standards for commercial environments.



# EMERGENCY STOP BUTTON

For safety and compliance with EN 81-41:2011, each platform features a clearly visible red emergency stop button, installed at 1083 mm to meet EN ISO 13850 standards and immediately interrupt the safety circuit when pressed.



# CABIN LCD DISPLAY

LCD display with floor and arrow indicator.

## Main characteristics:

- Screen: transparent polycarbonate shock-proof and scratch-proof.
- Colours: white light on blue background
- Chromed frame
- Power supply: 12/24Vdc +/- 10%.

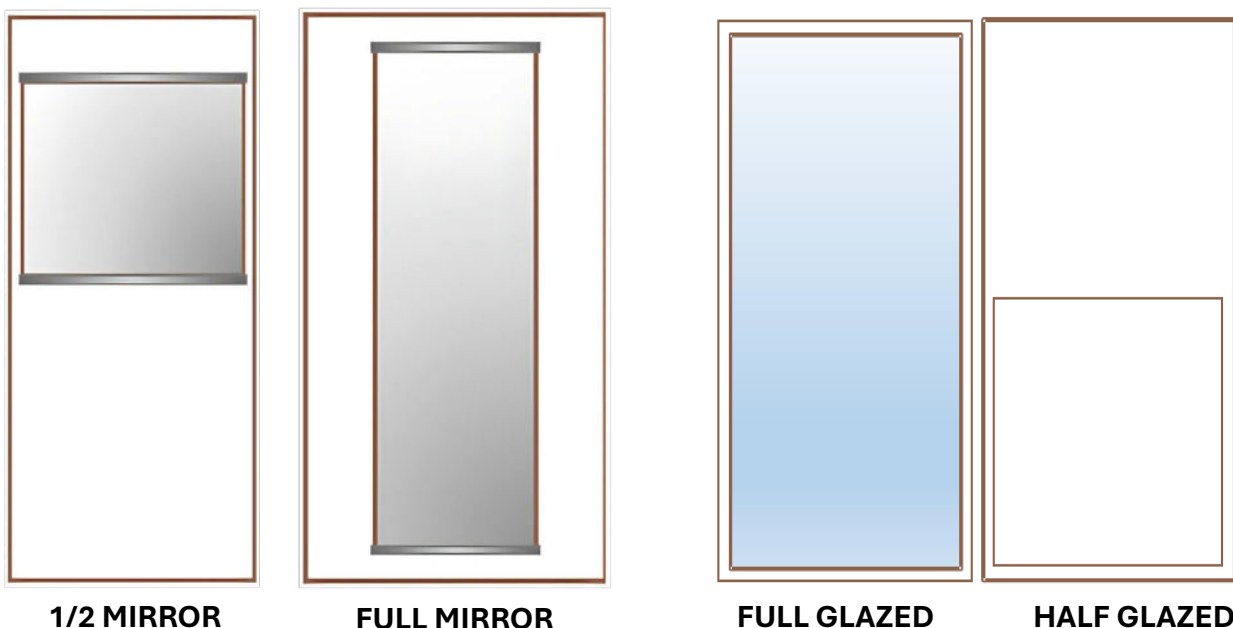
The voice synthesiser level indicator can announce floor arrivals with a “gong” sound and/or a voice announcement, configurable at installation in your chosen language. Volume can be adjusted with three settings: minimum, medium, or maximum.

# WALL OPTIONS

To enhance both the look and feel of your lift, you can choose to personalise the walls (excluding the side with the Control Operating Panel) with the following optional features:

**Mirror wall options** are available in both vertical and horizontal orientations, allowing for flexibility in visual design and user preference. These mirrors can enhance the sense of space within the cabin and improve user experience. However, please note that mirror wall options are not available on lift models with two cabin access points, due to structural and safety considerations.

For a more open and airy feel, transparent or smoke grey glass inserts can be specified for either a half wall or a full glazed finish on one or two walls. The specially designed safety glass complies with Class 1B1 standards (EN 12600) and meets the lift safety requirements set out in EN 81-41. This option is not available on cabins with two access points due to structural and safety constraints.



# STRUCTURE

## Metal Structure Overview

The Vimec AR:IA metal structure serves as the lift shaft for both indoor and outdoor installations. Constructed from four steel pillars joined by crossbeams, the frame forms fixed-pitch intermediate rings that provide a protective cage for the lift car throughout its travel path.

Each structure is engineered for secure fixing in the pit, headroom, or laterally to one or more supporting walls, depending on site requirements.

### Material specification includes:

- Steel for the main pillars and crossbeams
- Steel and aluminium for cladding frames
- Glass for cladding panels

The rail side is fitted with painted blind panels as standard, with optional glass panels available. Mixed cladding options (e.g. transparent and smoked glass) can be specified within the same structure for added design flexibility. Alternatively, the structure can be supplied without cladding, allowing for full customisation.



Transparent Glass



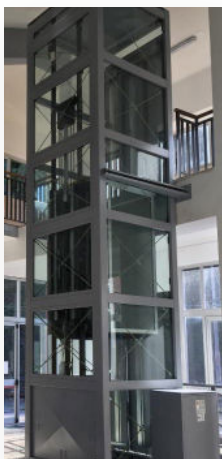
Mirrored Glass



Smoke-Grey Glass



Steel



## Structure Protections

Where headroom fixings are not possible (i.e. “free headroom” with no ceiling support at the top floor), internal steel crossbars are installed within each cladding panel. These provide essential structural reinforcement, as no brackets or supports are mounted in the headroom area.

## Protective Cladding Options

When a lift shaft includes one or more open sides, protective cladding can be added to safeguard users during operation. This indoor-only solution is specifically designed to prevent shearing risks and ensure compliance in partially enclosed installations.

# AUTO-DIALLER

## 4G GSM System

Pressing the alarm button triggers an acoustic signal. Holding the button for approximately 8 seconds activates the auto-dialler, which calls pre-set emergency contacts in priority order.

The auto-dialler is installed discreetly within the lift shaft and operates via 4G GSM (SIM card) and continues functioning for up to 2 hours during a power outage.



## Induction Loop

The induction loop system enables clear, interference-free two-way communication for hearing aid users during emergency calls.

Connected to the lift's auto-dialler, it ensures voice prompts and conversations with service operators are easily heard and understood. Available as an optional feature, it includes a backlit pictogram, built-in microphone, and delivers excellent audio quality in compliance-sensitive environments.



# LANDING PUSH BUTTON

The standard landing push button panel is made from sturdy 34 mm plastic, designed with a clean, modern look. The Vimec logo is silk-screened as a subtle mark of quality.

A single large illuminated square call button offers simple, one-touch use, glowing green when the lift is available, and red when it's in use, so you always know its status at a glance. An LCD display adds further convenience by showing the lift's current position.

Where access control is included, a key symbol on the panel shows that entry is available via magnetic key fob, offering security with ease.



## Access Control

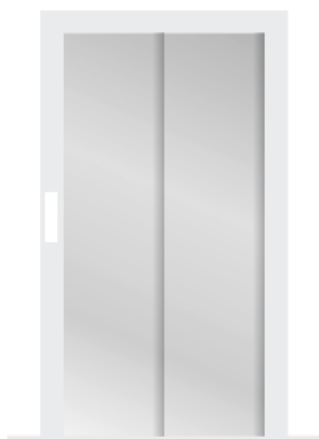
Add peace of mind with authorised access control for the Vimec AR:IA. If you'd like to include secure access, you can choose between an **access card** or a **key tag** as your authorised control item. This feature ensures that only approved users can operate the lift, ideal for residential buildings, offices, or any setting where controlled access is a priority.

With a simple tap of your chosen access item, authorised users can activate the lift and enjoy a smooth, secure journey from entry to exit.



# OPTIONS & ADDITIONS

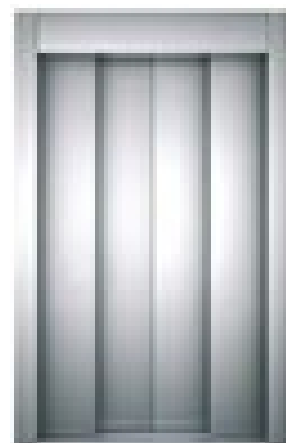
## DOORS OPTIONS



2 Stage  
(side opening)



3 Stage  
(side opening)



4 Stage  
(central opening, long side only)



Glass with Frame



Full Glass



A range of sustainable material options is available to support long-term enhancements and compliance upgrades for your lift installation.

FLOOR OPTIONS



INSIDE WALL OPTIONS



The ceiling panel is available with SKINPLATE, STEEL and RAL finishes.

Standard Sustainable Choice Touch Effect



# CEILING AND LIGHTING

- The ceiling can be finished to match the cabin walls for a clean, cohesive look (please note: plastic and wood laminate is not available as a ceiling option).
- A mechanically interlocked trapdoor is integrated into the ceiling and can be safely removed from inside the cabin when essential maintenance is required. The dimensions of the hatch varies depending on the size of the cabin.
- LED strips are built into the cabin profiles and covered with a transparent polycarbonate diffuser, creating a gentle, ambient glow.
- Lighting options to suit your style includes:
  - ▶ **FLEX** configuration: Features two L-shaped LED strips for a clean, modern feel.
  - ▶ **CUSTOM** configuration: Includes three LED strips arranged in a Y-shape, offering enhanced illumination.
- In the event of a power failure, the lift remains gently lit, offering comfort in unexpected situations.

## LED Lighting Characteristics

- Power Supply: 24V
- Length: 300 mm
- Temperature and color: 4000K (optional 2700K)
- Lumen: 800 lm/m

# HANDRAIL OPTION

For added comfort and support, a sleek matt black aluminium handrail can be included as an standard feature. Designed to complement the finish of the lift's cabin profiles, it blends seamlessly into the overall aesthetic. The handrail is fitted directly to the cabin structure and its length will depend on the wall space available. Where space allows, two handrails can be installed – one on each opposite wall – offering balanced support on both sides.

# DIMENSIONS AND OVERALL SPACE

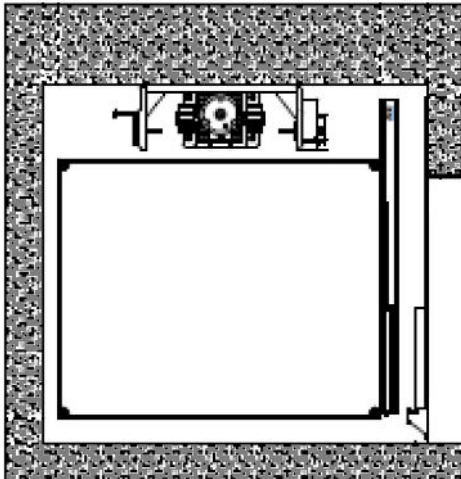
## STANDARD CABIN SIZES

1140 mm x  
1400 mm

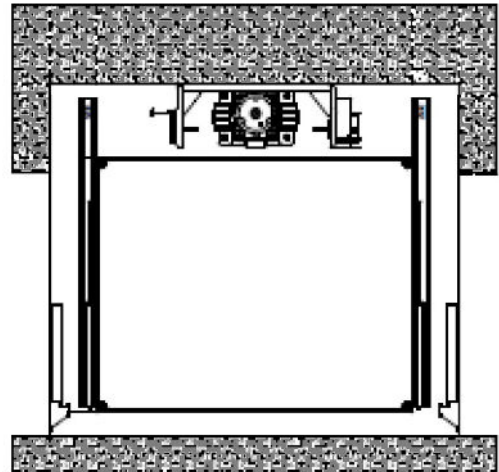
1000 mm x  
1250 mm

Bespoke sizes  
available

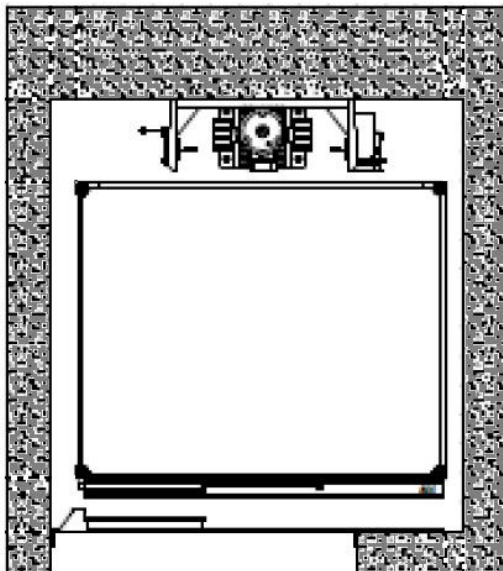
**SINGLE ENTRANCE, SHORT SIDE**



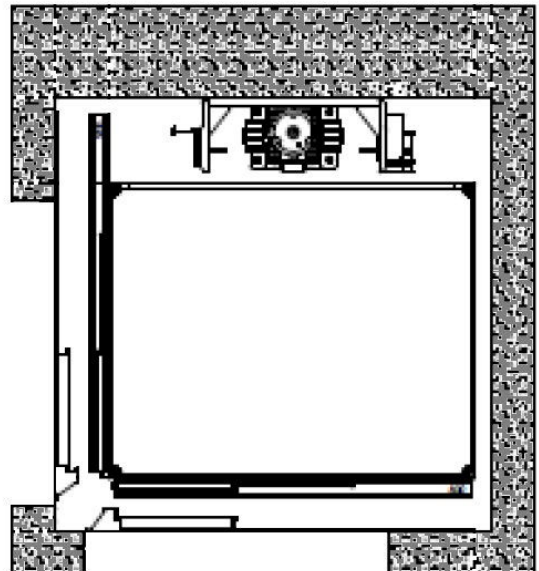
**THROUGH CAR, SHORT SIDE**



**SINGLE ENTRANCE, LONG SIDE**



**ADJACENT ENTRANCE SHORT AND LONG SIDE**

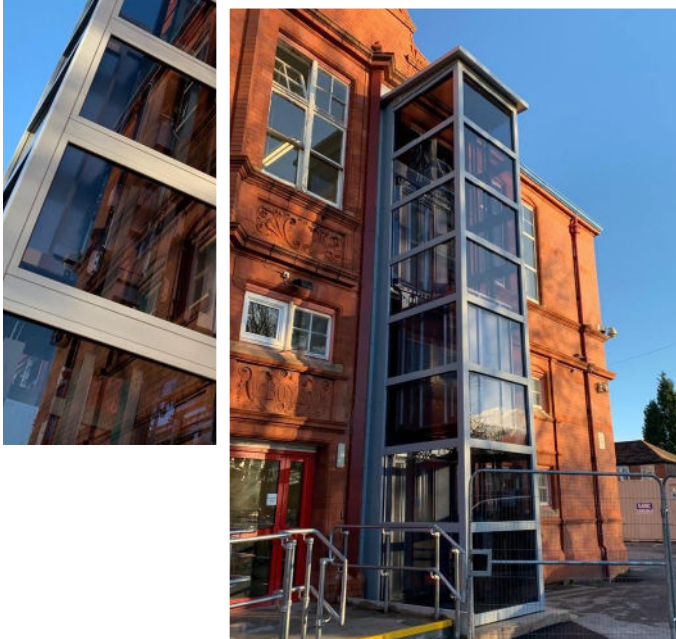






“Competent knowledgeable engineers, who worked in a clean and efficient manner.” Andy

“Lift delivered on time, good price, product and service.” Peter





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