DESIGNED AND MANUFACTURED IN THE UNITED KINGDOM

ethos
NAVIGATOR
DESTINATION CONTROL

tvc *Thames Valley Controls*

ethos
NAVIGATOR
right place, right time
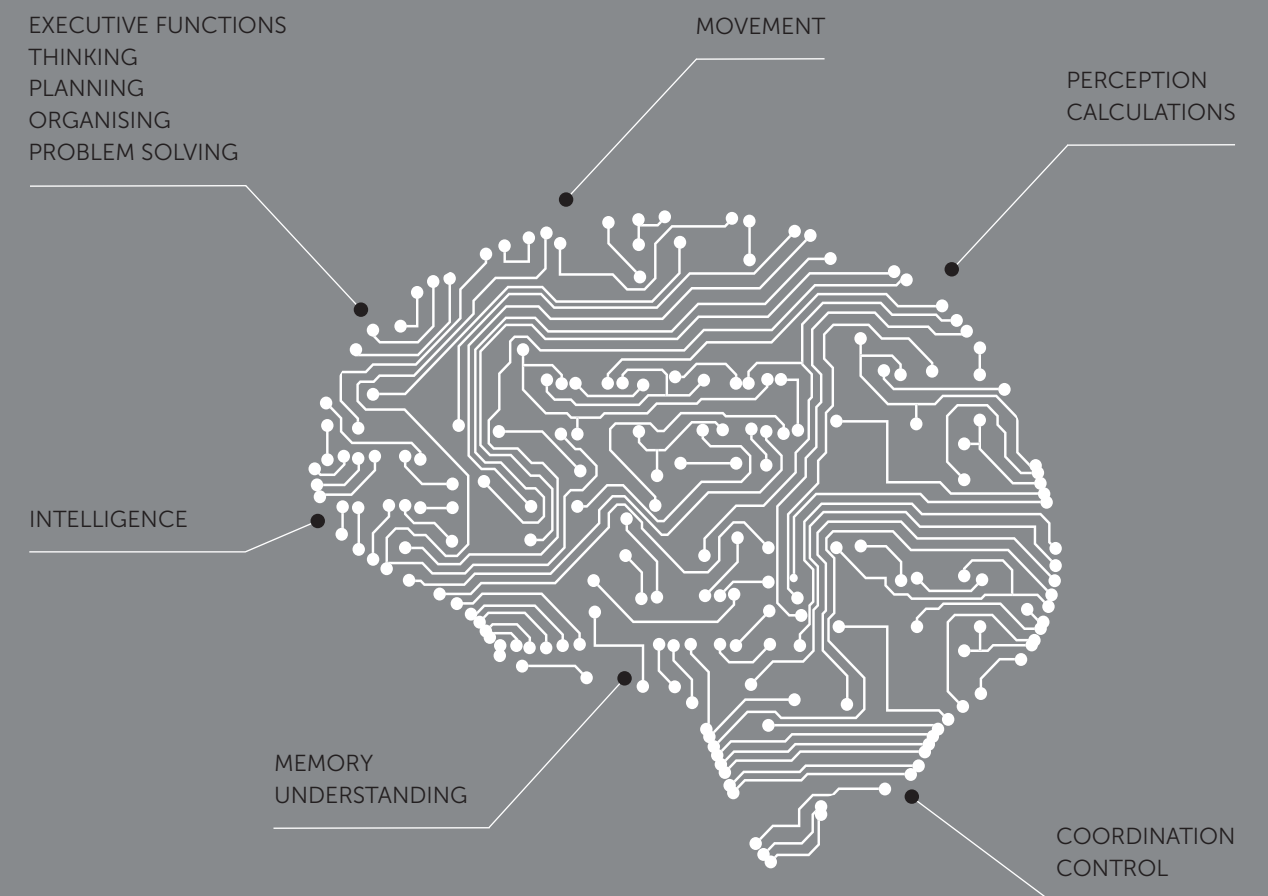
ethos
N**AV**IGATOR
DESTINATION CONTROL

Thames Valley Controls was established in 1971 to serve the needs of the growing independent lift market in the UK and worldwide. TVC has since flourished as a specialist designer and manufacturer of lift control and remote monitoring systems. TVC provide high-technology lift control systems at competitive prices that ensure the building end-user and lift contractor has maximum choice.

ethos
N**A**VIGATOR
DESTINATION CONTROL

EXECUTIVE FUNCTIONS
THINKING
PLANNING
ORGANISING
PROBLEM SOLVING

MOVEMENT

PERCEPTION
CALCULATIONS

INTELLIGENCE

MEMORY
UNDERSTANDING

COORDINATION
CONTROL

DECISIONMAKER

Ethos Navigator uses unique intelligence to deploy lifts to get passengers to the right place, at the right time, making it an incredibly efficient lift control system.

Ethos Navigator benefits from knowing the desired destination floor at the point when the passenger enters the lobby call. Powerful processors and a sophisticated algorithm effortlessly determine the most effective lift to transport the passenger to the selected floor.

A shorter time to destination and a reduction in wasted lift journeys improves passenger movement and reduces costs which is a major consideration in building management.

Ethos Navigator can also seamlessly integrate with building security systems to restrict floor access or to allocate lifts to passengers directly from the turnstile or speedgate.

Ethos Navigator responds to the needs of passengers with disabilities to provide stress-free building access for all.

Cost-effective, flexible, efficient, intelligent destination control.

Ethos Navigator Destination Control offers building owners a world-class, independent lift control system with local support providing customised design solutions.

TVC's accessible technology allows easy maintenance and gives building managers the freedom to choose lift contractors with the comfort of long-term manufacturer support.

CONVENTIONAL
CONTROL

A popular analogy to describe the difference between Destination Control and Conventional Control is the benefit and convenience of a taxi compared to a bus.

Conventional lift control, where passengers select a direction from the landing and subsequently select a final destination from within the lift car, has served buildings well over many years.

As demand grew for more efficient passenger movement without increasing the number of lifts or capacity, Destination Control technology came of age. Adoption of this technology has seen the widespread use of landing mounted touchscreens or keypads to allow users to select their destination prior to entering the lift car. The early entry of this key piece of data allows Destination Control systems to maximise lift performance.

CONVENTIONAL LIFT CONTROL

During peak periods conventional collective lift control systems can create congested lobbies and the arrival of a lift car can create an air of urgency resulting in a stressful rush to board. Passengers may be subject to claustrophobic conditions and those travelling to higher floors experience more time-consuming intermediate stops.

DISADVANTAGES

• Busy, disorganised lobbies
• Potentially overcrowded lifts
• Longer journey times due to stops
• Increased times to destination
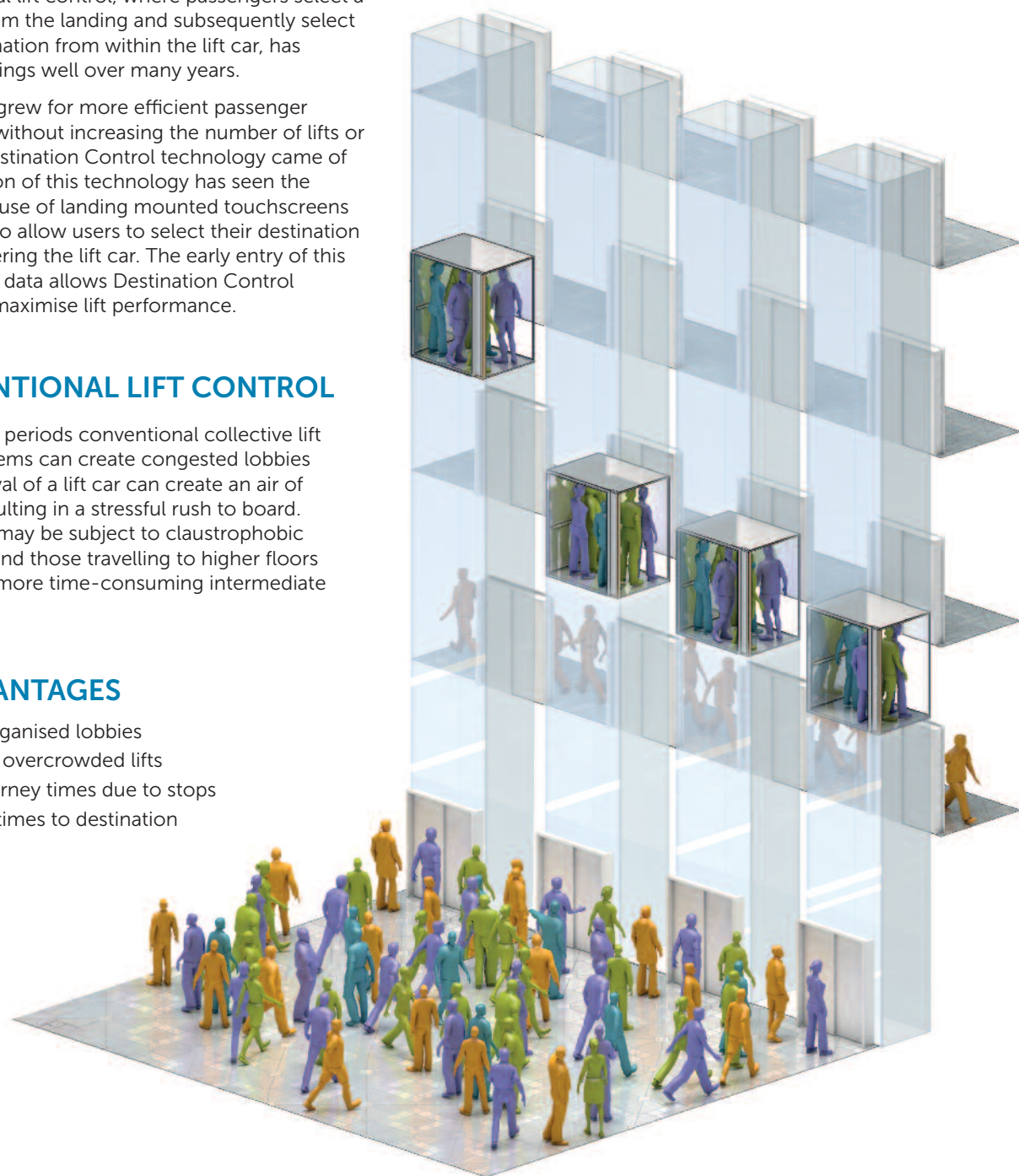
ETHOS NAVIGATOR
DESTINATION CONTROL

There are many factors which influence the efficiency of a lift system including the building population, layout, usage, floors served, the number of lift cars, their size and rated speed etc. but in general terms a Destination Control system will reduce passenger Time To Destination (TTD) and in particular, minimise main floor lobby crowds during peak conditions when there is a high volume of traffic entering the building.

Another key benefit is in buildings where there are lifts that do not all serve the same floors. With Ethos Navigator it is easy to integrate these lifts into the group thereby increasing overall performance.

ADVANTAGES

• Faster clearing of lobbies in peak periods
• Structured lobby waiting
• Improved passenger information
• Improved traffic flow
• Enhanced security interface features
• Better integration of lifts into the group
• Reduced time to destination during the peaks
• Reduction in lift overcrowding

performance

AVERAGE TIME TO DESTINATION

Time to Destination is the time delay between the user entering the call and the car opening its doors at the users destination floor.
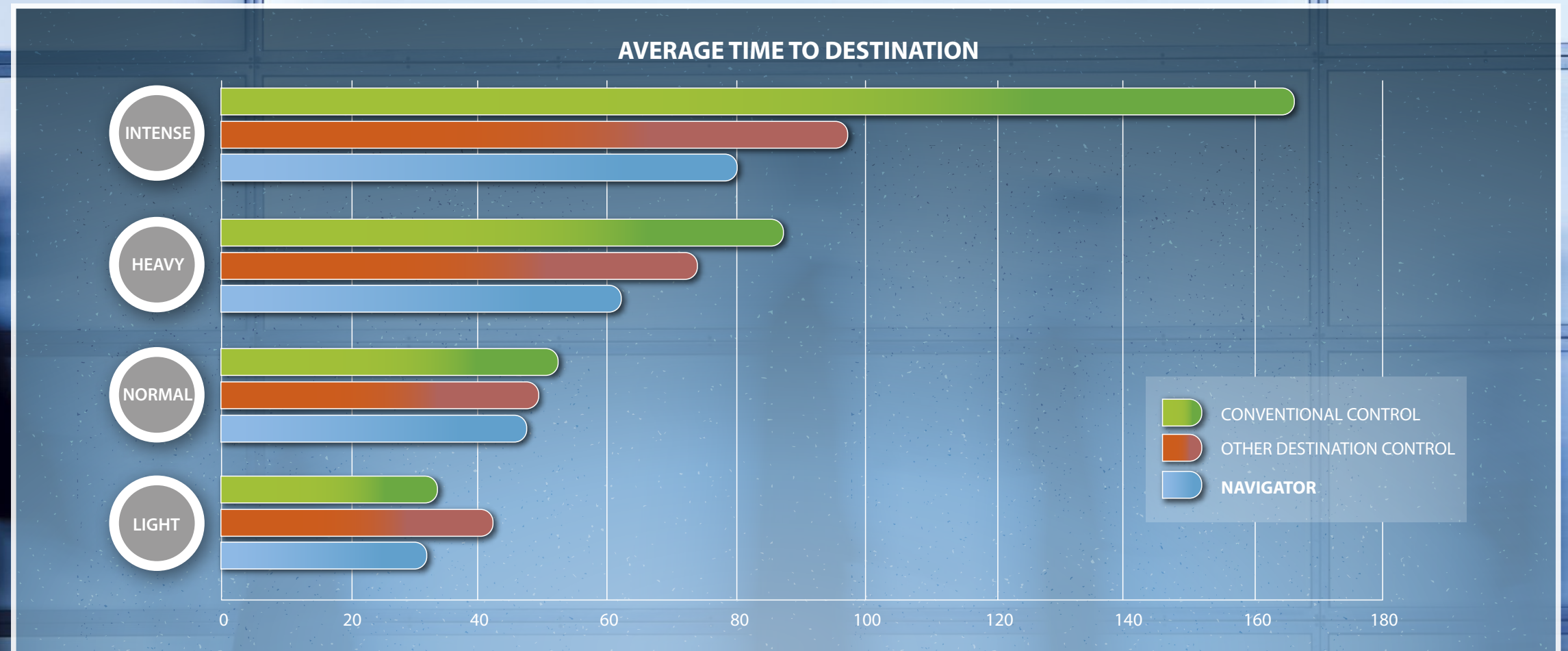
AVERAGE WAITING TIME

Waiting Time is the time delay between the user entering the call and the user entering the car, it includes the time taken for the user to walk to the assigned car.

AVERAGE TIME TO DESTINATION

INTENSE
HEAVY
NORMAL
LIGHT

0   20   40   60   80   100   120   140   160   180

Legend:
- CONVENTIONAL CONTROL
- OTHER DESTINATION CONTROL
- **NAVIGATOR**

WAITING TIME (SECS)

INTENSE
HEAVY
NORMAL
LIGHT

0   10   20   30   40   50   60   70   80   90

Legend:
- CONVENTIONAL CONTROL
- OTHER DESTINATION CONTROL
- **NAVIGATOR**

SECURITY

Limiting floor accessibility for security purposes is facilitated with a range of options.

The Ethos Navigator system can be customer programmed to restrict floor access using PIN codes and can interface to a range of security systems that include swipe-cards, turnstiles and keypad codes.

Flexible security is a key design feature.

ACCESSIBILITY

The needs of passengers with disabilities are a priority consideration to enable independent, stress-free lift use.

Ethos Navigator offers EN81-70 code compliant tactile interfaces enhanced with audiovisual instruction to accommodate the preferences of passengers with visual or hearing impairment.

Calls from passengers with restricted mobility are allocated suitably sized lifts to facilitate wheelchair access. Disabled passengers are given more time to locate, enter and exit lift cars whilst spoken word car identification messages assist visually impaired users.

FOUR **EASY STEPS**

1 REGISTER YOUR CALL TOUCHSCREEN, KEYPAD OR TURNSTILE

2 ETHOS NAVIGATOR WILL CLEARLY DIRECT YOU TO YOUR DESIGNATED LIFT

3 MOVE TO THE ASSIGNED LIFT WHICH WILL SIGNAL ITS ARRIVAL

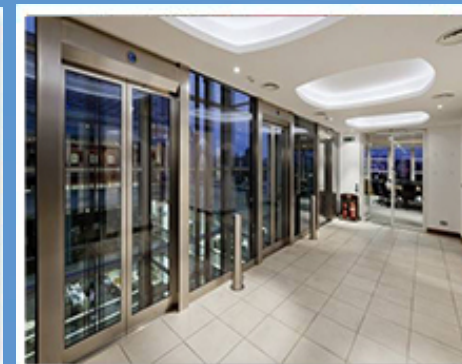**4** THE IN-CAR DISPLAY CONFIRMS DESTINATION STOPS

Experience

TVC has years of experience providing Ethos Navigator systems for prestigious buildings and support to the most exacting client.

REFERENCE SITES

33 CAVENDISH SQUARE
8 Car Group
2.5 m/s & 3.5 m/s
8 floors & 14 floors
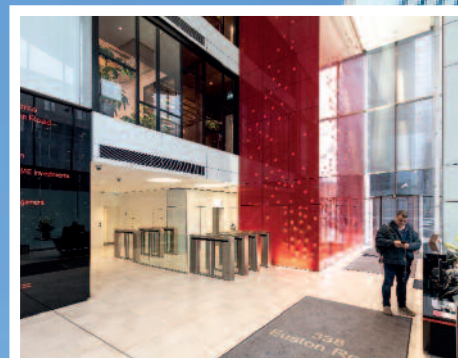

50 BERKLEY
5 Car Group
2.0 m/s
10 floors

10 DEVONSHIRE SQ.
3 Car Group
1.6 m/s
6 floors

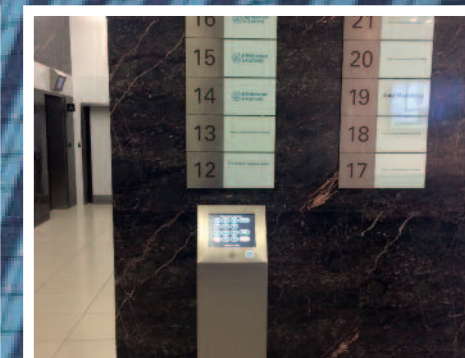**190 HIGH HOLBORN**
3 car group
3 m/s
10 floors

20 CHURCHILL PLACE
8 Car Group
2.5 m/s
15 floors

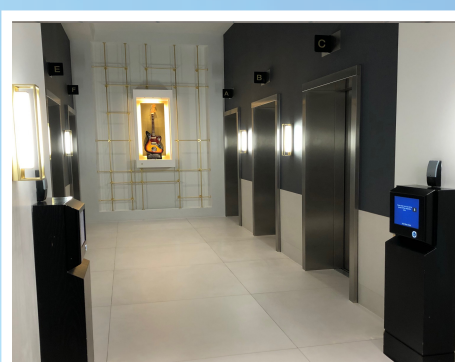**EUSTON ROAD**
7 Car Group
2.0 m/s
18 floors

ST GEORGES
4 Car Group
2.0 m/s
10 & 11 floors
Bespoke MRL

TOLWORTH TOWER
6 Car Group
3.55 m/s
12 & 21 floors

EDGEWARE ROAD
4 Car Group
3 m/s
9 & 10 floors

HARD ROCK HOTEL
6 Car Group
2.0 m/s
10 floors

1 LONDON BRIDGE
3 Car Group   4 Car Group
2.5 m/s   2.5 m/s
14 floors   13 floors

WESTFERRY CIRCUS
4 Car Group
1.6 m/s
10 floors

CHISWICK TOWER
5 Car Group
2.5 m/s
19 floors

ARNDALE HOUSE
8 Car Group
3.5 m/s
23 floors

OPTIONS

BESPOKE DESIGNS

One of the key considerations for any building is aesthetics.

TVC offers a unique, bespoke design service to ensure the visible fixtures and fittings of the control system blend in with or enhance the building décor and design.

By offering a range of touchscreens, keypads, pedestals, security interfaces and displays in custom made enclosures, the building design team can be assured of achieving the desired visual appeal without compromise.

All the following fixtures are available in custom colours.

TOUCHSCREENS

All our touchscreen interfaces offer audio visual feedback and a tactile EN81-70 compliant disability button.

CAPACITIVE SCREEN TECHNOLOGY

Product Code: 0001
Screen Size: 10"
Mounting Type: Surface

SEMI-RECESSED TOUCHSCREEN

Product Code: 0004
Screen Size: 12"
Mounting: Semi-recessed

ANGLED TOUCHSCREEN

Product Code: 0003
Screen Size: 12"
Mounting: Surface, angled

STANDARD TOUCHSCREEN

Product Code: 0002
Screen Size: 12"
Mounting: Surface

PEDESTAL

Product Code: 0006
Screen Size: 12"
Mounting Type: Floor

KEYPADS

Tactile keypads with 16mm characters in compliance with EN81-70.

ANGLED KEYPAD

Product Code: 0008
Screen Size: 4.3"
Mounting: Surface, angled

STANDARD KEYPAD

Product Code: 0007
Screen Size: 4.3"
Mounting: Surface

LANDING DESTINATION DISPLAY

Product Code: 0015
Screen Size: 12"
Mounting Type: Surface

CAR OPERATING PANEL

Product Code: 0016
Screen Size: 7" and 12"
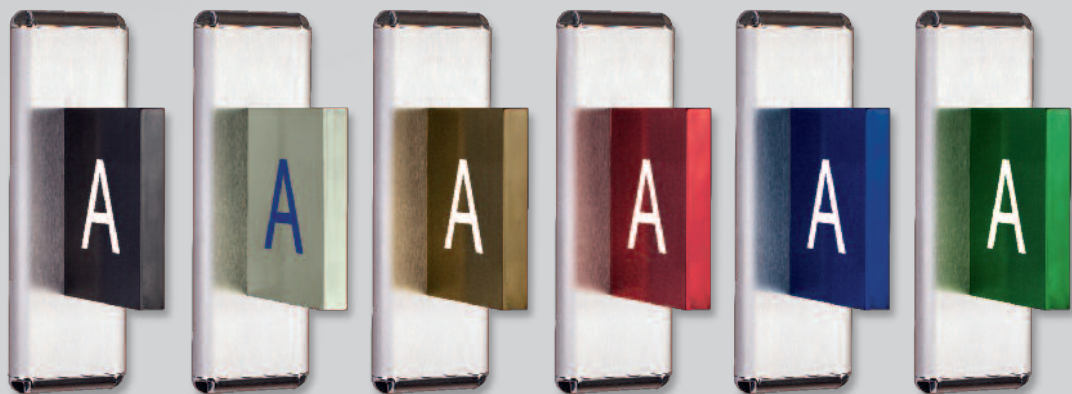Product Size: Flush

LIFT IDENTIFIERS

CLASSIC ID BLADE

Product Code: 0012
Blade Size: 130mm x 150mm
Mounting Type: Flush

CLASSIC ID SURFACE

Product Code: 0011
Blade Size: 130mm x 150mm
Mounting Type: Surface

All Lift Identifiers available in custom colours
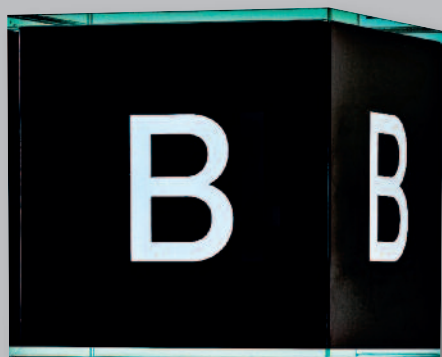
UNIBLADE

Product Code: 0009
Blade Size: 130mm x 150mm
Mounting: Surface

UNIBLADE

Product Code: 0017
Blade Size: 164.5mm x 137.5mm
Mounting: Surface

MIRROR BLADE

Product Code: 0013
Blade Size: 149.5mm x 147mm
Mounting Type: Surface

CUBE

Product Code: 0014
Blade Size: 150mm x 150mm
Mounting Type: Surface
Clear lift identification from all angles