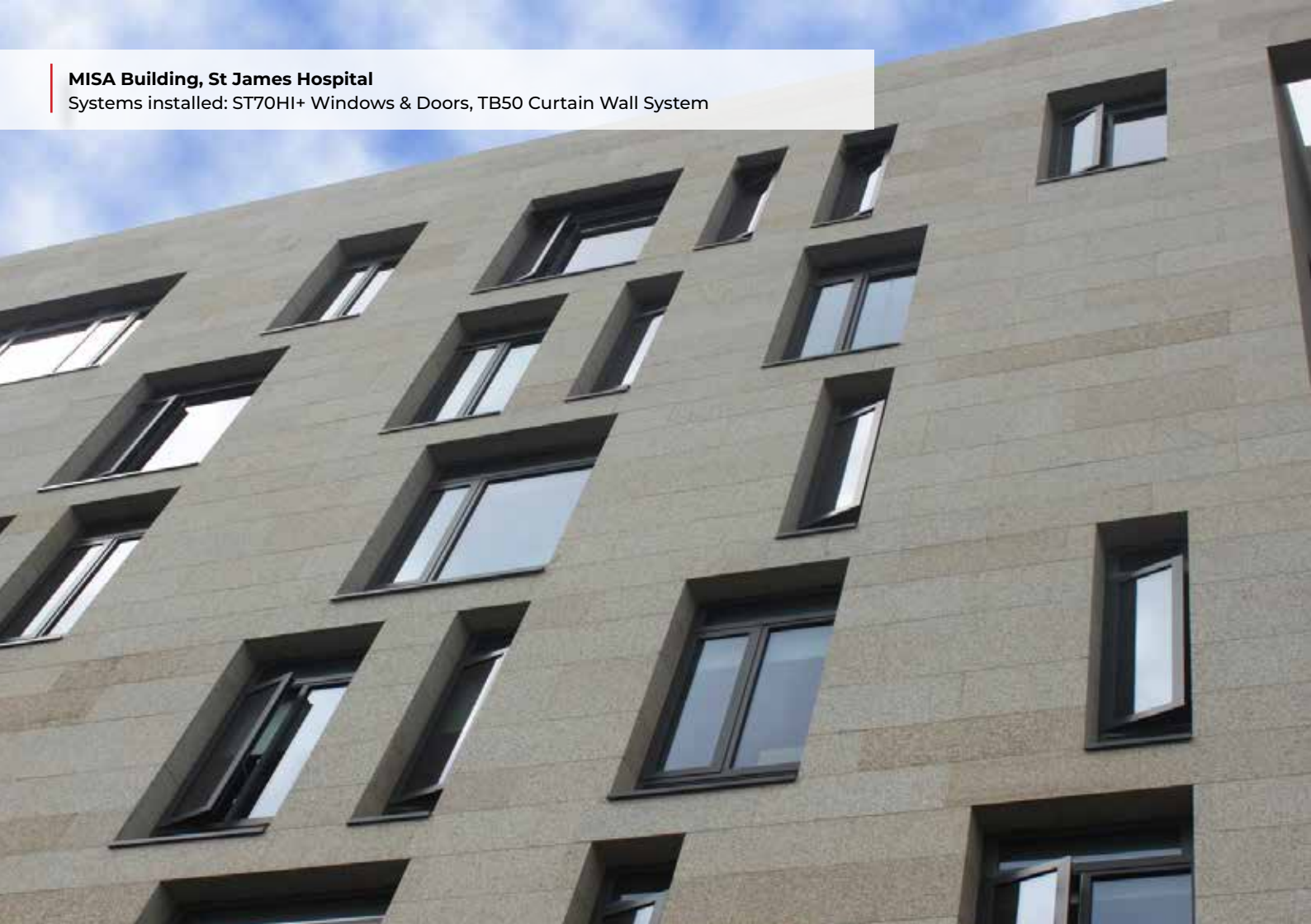




**ST WINDOW & DOOR SUITE**  
SUSTAINABLY DESIGNED, THERMALLY  
ENHANCED WINDOWS & REBATED DOORS

**MISA Building, St James Hospital**

Systems installed: ST70HI+ Windows & Doors, TB50 Curtain Wall System



# ST70HI+ WINDOWS & DOORS

HIGHLY DURABLE, THERMALLY ENHANCED  
WINDOW & DOOR SYSTEM



ST70HI+ Inward Opening - Tilt & Turn

ST70HI+ Outward Opening - Casement

## Thermal Performance

**Window:**  $U_w$  values as low as  $0.85 \text{ W/m}^2\text{K}$

**Door:**  $U_w$  values as low as  $0.9 \text{ W/m}^2\text{K}$

## Glazing Opportunities & Window Variants

**Glazing:** Window & Door: Double or triple glazed up to 50 mm

**Variants:** Inward/Outward Opening Top Hung, Side Hung, Bottom Hung, Tilt & Turn

## Durability, Security & Accessibility

**Durability:** Repeated opening & closing:  
Window (30,000), Door (200,000)

**Security:** High security locking systems,  
tested to Pas 24

**Accessibility:** Doors available in  
single/double door configurations,  
emergency exit, wheelchair friendly

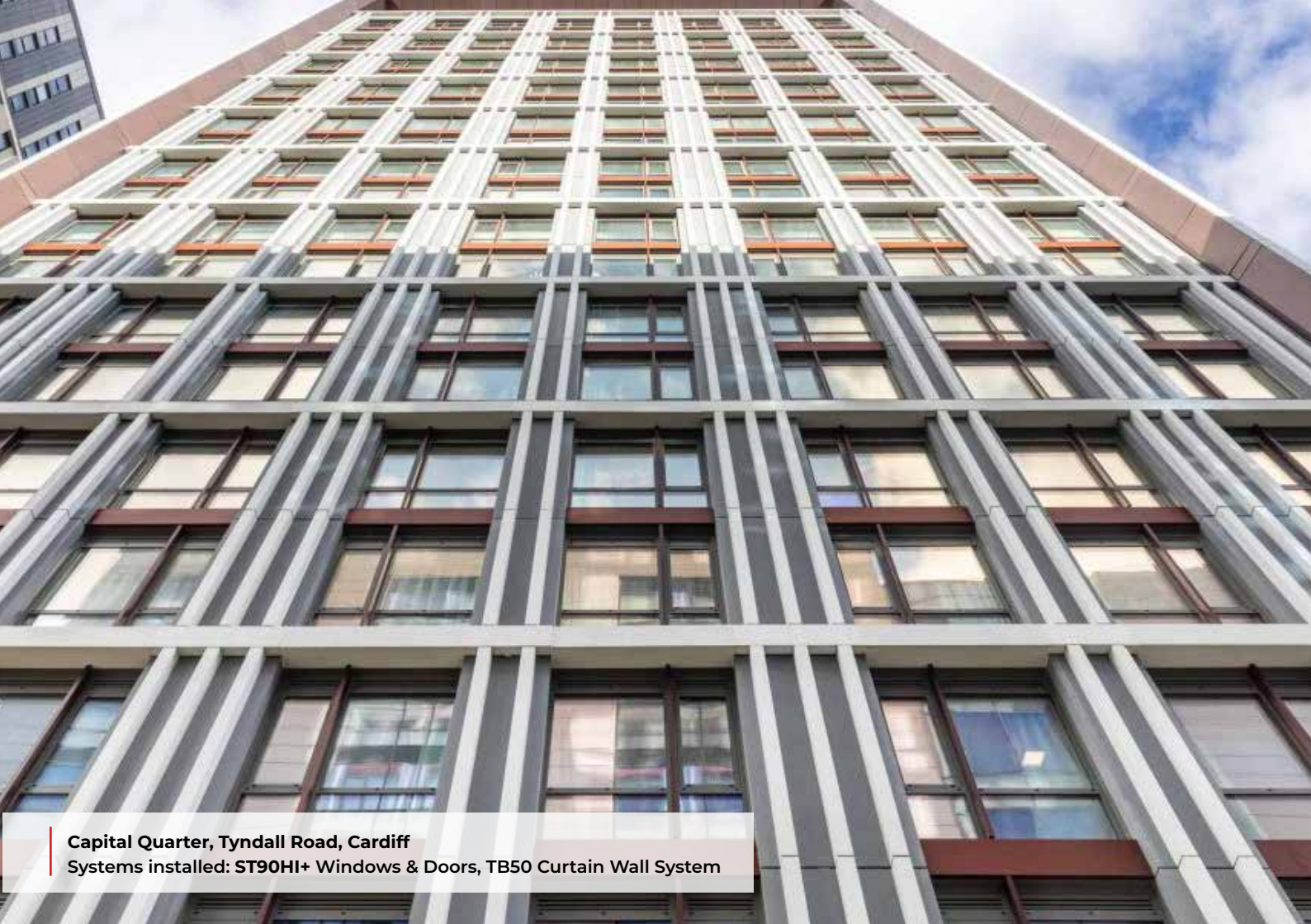
## Available Finishes

Single or dual colour  
Over 200 RAL colours  
Qualicoat Powder Coating



ST70HI+ Door Inward Opening

ST70HI+ Door Outward Opening



**Capital Quarter, Tyndall Road, Cardiff**  
Systems installed: **ST90HI+** Windows & Doors, **TB50** Curtain Wall System

# ST90HI+ WINDOWS & DOORS

PASSIVE HOUSE STANDARD  
WINDOW & DOOR SYSTEM



ST90HI+ Inward Opening - Tilt & Turn

ST90HI+ Outward Opening - Casement

## Thermal Performance

**Window:**  $U_w$  values as low as  $0.48 \text{ W/m}^2\text{K}$

**Door:**  $U_w$  values as low as  $0.76 \text{ W/m}^2\text{K}$

## Glazing Opportunities & Window Variants

**Glazing:** Window & Door: Double or triple glazed up to 62 mm

**Variants:** Inward/Outward Opening Top Hung, Side Hung, Bottom Hung, Tilt & Turn

## Durability, Security & Accessibility

**Durability:** Repeated opening & closing:  
Window (30,000), Door (200,000)

**Security:** High security locking systems,  
tested to Pas 24

**Accessibility:** Doors available in  
single/double door configurations,  
emergency exit, wheelchair friendly

## Available Finishes

Single or dual colour  
Over 200 RAL colours  
Qualicoat Powder Coating



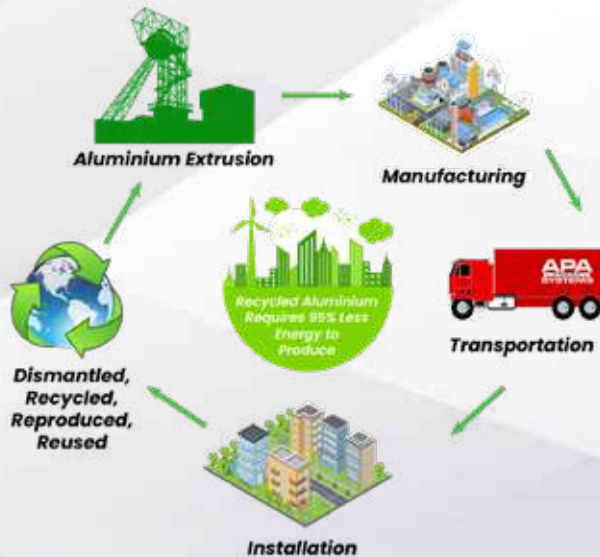
ST90HI+ Door Inward Opening

ST90HI+ Door Outward Opening



# SUSTAINABILITY

## LIFE CYCLE OF OUR ALUMINIUM PROFILES



Our profiles are manufactured with a significant proportion of recycled aluminium, reinforcing our commitment to sustainable manufacturing practices.

Recycling aluminium requires 95% less energy and thus produces 95% fewer greenhouse gas emissions than produced during primary production, whilst still retaining 100% of its mechanical properties.

At APA, our window systems are fabricated with expandable cast cleats and secured with conical screws. This allows them to be dismantled, recycled, reproduced and reused, contributing to the circular economy of the construction industry.

Our profiles have been installed on LEED Platinum and BREEAM outstanding certified projects - representing the pinnacle of sustainable building standards.

### Environmental Product Declarations

Each of our products are accompanied by an Environmental Product Declaration (EPD). An EPD is a comprehensive document that provides detailed information about the environmental impacts and sustainability of a specific product throughout its entire life cycle.

We developed EPD's as a valuable tool for sustainability-conscious architects and contractors to help them make informed decisions that align with the sustainability goals of the project.



Unit 12, Parkmore Industrial Estate, Longmile Road, Dublin, D12 VXH9 | Tel: +353 (0) 1 450 9102