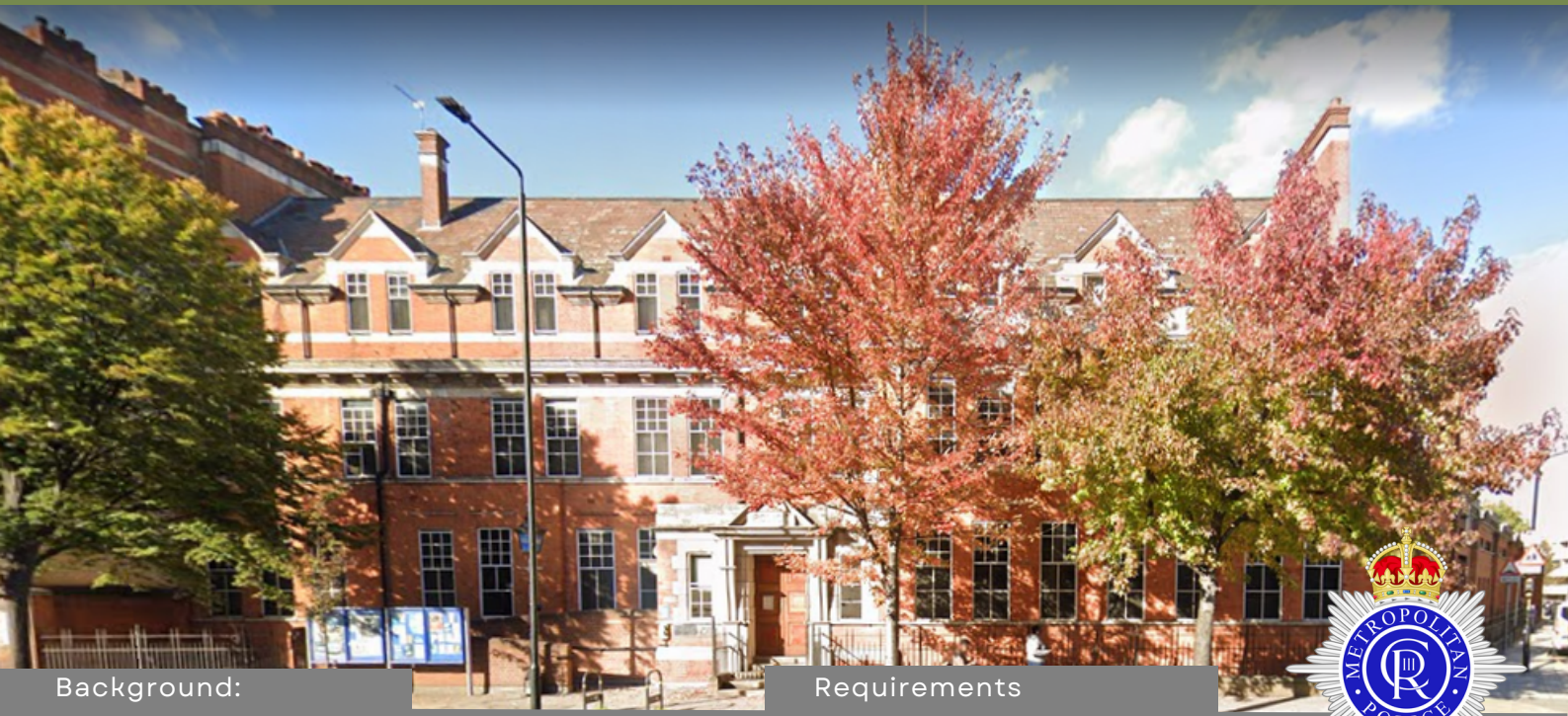


Case Study Peckham Police Station



Background:

Originally built in 1893, by 1988, Peckham Police Station had become a typical listed and ageing Victorian building.

Requirements

- Long durability 30+ years
- Maintenance free
- Environmental control
- Remove overheating
- Privacy



The Problem:

Its tired sash windows and irregularly opened or closed window blinds presented a messy and disorderly facade. With no environmental control, the building overheated in summer and was difficult to heat in winter.

Due to open windows, and the ability to view inside from out, privacy and security was massively compromised.

The Metropolitan Police Service (MPS) is the territorial police force responsible for law enforcement and the prevention of crime within the ceremonial county of Greater London.

In addition, it is responsible for some specialised matters throughout the United Kingdom, including national counter-terrorism measures and the protection of specific people, such as the monarch and other members of the royal family, members of the government, and other officials.

THE SOLUTION

In 1988, Peckham Police Station was modernised with Microlouvre Koolshade® screens, and the results are as effective now, as they were on installation. Microlouvre Koolshade® is the ideal solution for heritage or listed buildings as it can replicate any window shape and appearance, and as such the station was given a sleek and uniform exterior that is still visible today.



The problems of huge summer heat gain and winter heat loss were instantly solved as Microlouvre Koolshade® is able to block up to 100% of total solar heat gain. Microlouvre Koolshade®'s 80% open area gave occupants natural ventilation and perfect outward vision. Yet due to the screens' directional privacy capabilities, views inside the building were restricted. The windows were shielded from direct ingress of rain and had added protection against intentional window damage.

30 years later, the building's appearance remains uniform and uncluttered. The occupants continue to enjoy both thermal and visual comfort and annual energy savings are being made due to decreased HVAC requirements. The annual cost of this maintenance-free installation spread over the 30 years, even at 2018 values, equates to less than £400 per year and energy savings can reach up to 68%.

THE RESULTS

- Window frontage unchanged and made clean and uniform
- 100% heat blocked
- Up to 68% energy savings
- 80% free airflow natural ventilation
- 80% open area for clear outward vision
- Directional privacy & glazing security
- Durability and longevity
- 60-year maintenance-free lifespan