



CASE STUDY

LONDON LUTON AIRPORT

SMART COOLING COMFORT

Location : London, United Kingdom

Sector : Airport

Product Featured : Silver 20 External
(5 Year Warranty)



CHALLENGE

Sunlight Strain in a Busy Terminal Environment

As London Luton Airport experienced a surge in passenger traffic, terminal infrastructure had to meet evolving demands for comfort, sustainability, and design consistency. A key concern was the impact of solar exposure-



SOLUTION

Proven Outdoor Film for Demanding Spaces

To tackle these issues with minimal intrusion, a high-performance solar control film engineered for exterior glass



RESULTS AND BENEFITS



Sun-facing façades in the terminal's waiting areas and connector bridges were **overheating**, especially during summer



Delivered notable solar heat rejection, instantly reducing thermal load on internal spaces; **Installation was timed and phased** to occur without disrupting



Solar Heat Control- Helped stabilize indoor temperatures, reducing HVAC stress in exposed zones



Harsh glare interfered with digital displays and screens at gates and lounges, affecting both passengers and staff



Minimized glare from direct sunlight, **improving visibility** on screens along with **long-lasting durability** against rain, wind, and UV exposure



Improved Visual Comfort- Cut down disruptive glare for travelers, especially near departure gates



Cooling systems were under pressure in isolated pockets of the airport, driving **inefficiencies in energy usage**



Applied over **800 sq ft of critical glass panels** — particularly on external-facing terminal windows near boarding gates and retail walkways



Designed for Harsh Conditions- External-grade coating held up well in high-traffic, open-air airport



Operational Ease- Installed with no passenger rerouting or shutdowns, business continuity maintained