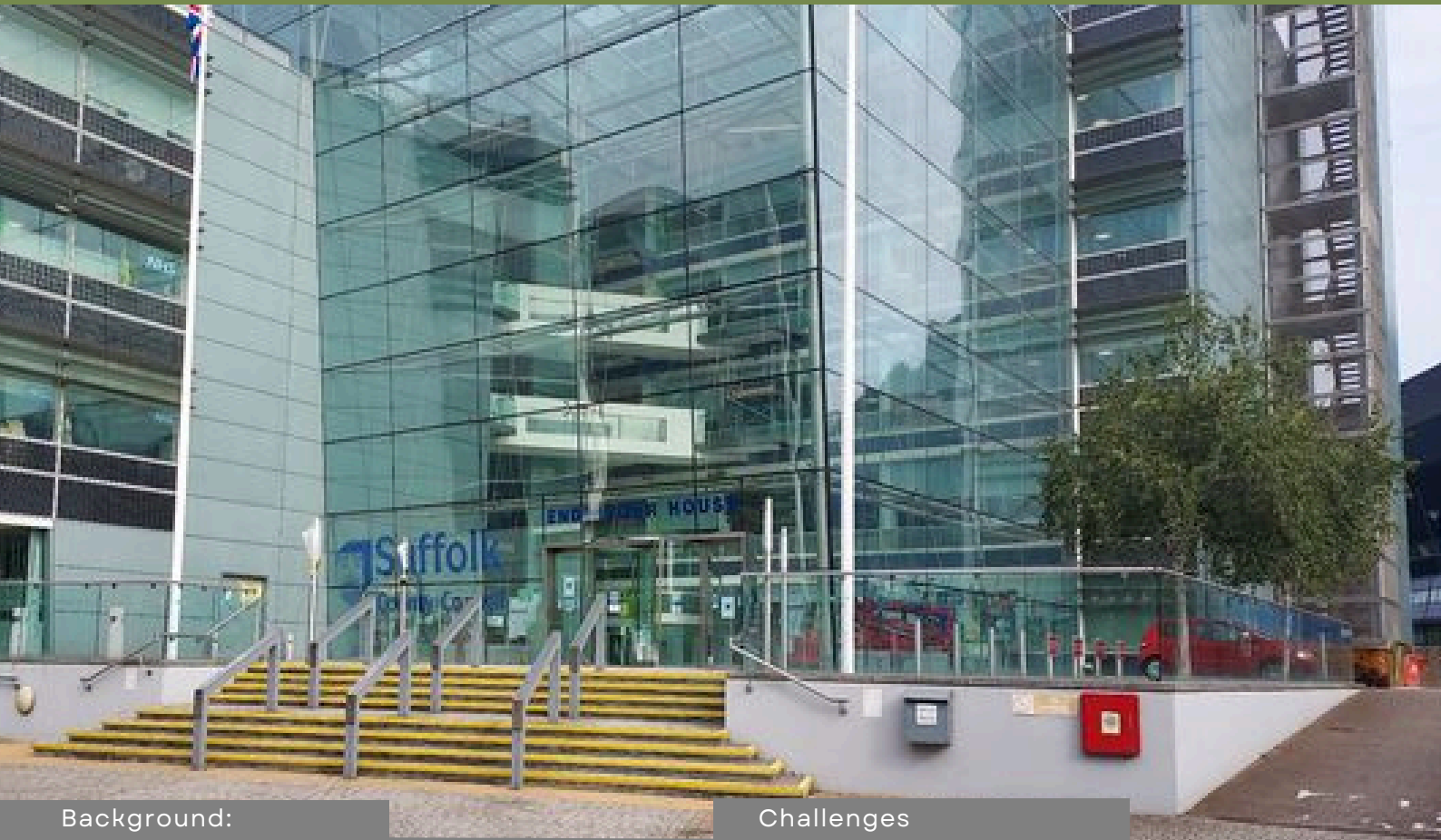


Case Study Endeavour House - Suffolk County Council



Background:

The building had an original construction cost of £28 million (Suffolk County Council paid £16.75 million for the building) and is one of the most energy efficient office buildings in Europe.

However, the use of horizontal shading fins was woefully inadequate against the summer sun, and as experienced in 2022, simply ineffective against temperatures above 40°.

KoolShade stops Solar Heat Gain and dramatically lowers internal building temperatures and stops glare from the sun.

The Problem:

Stunning, modern, but fundamentally flawed.

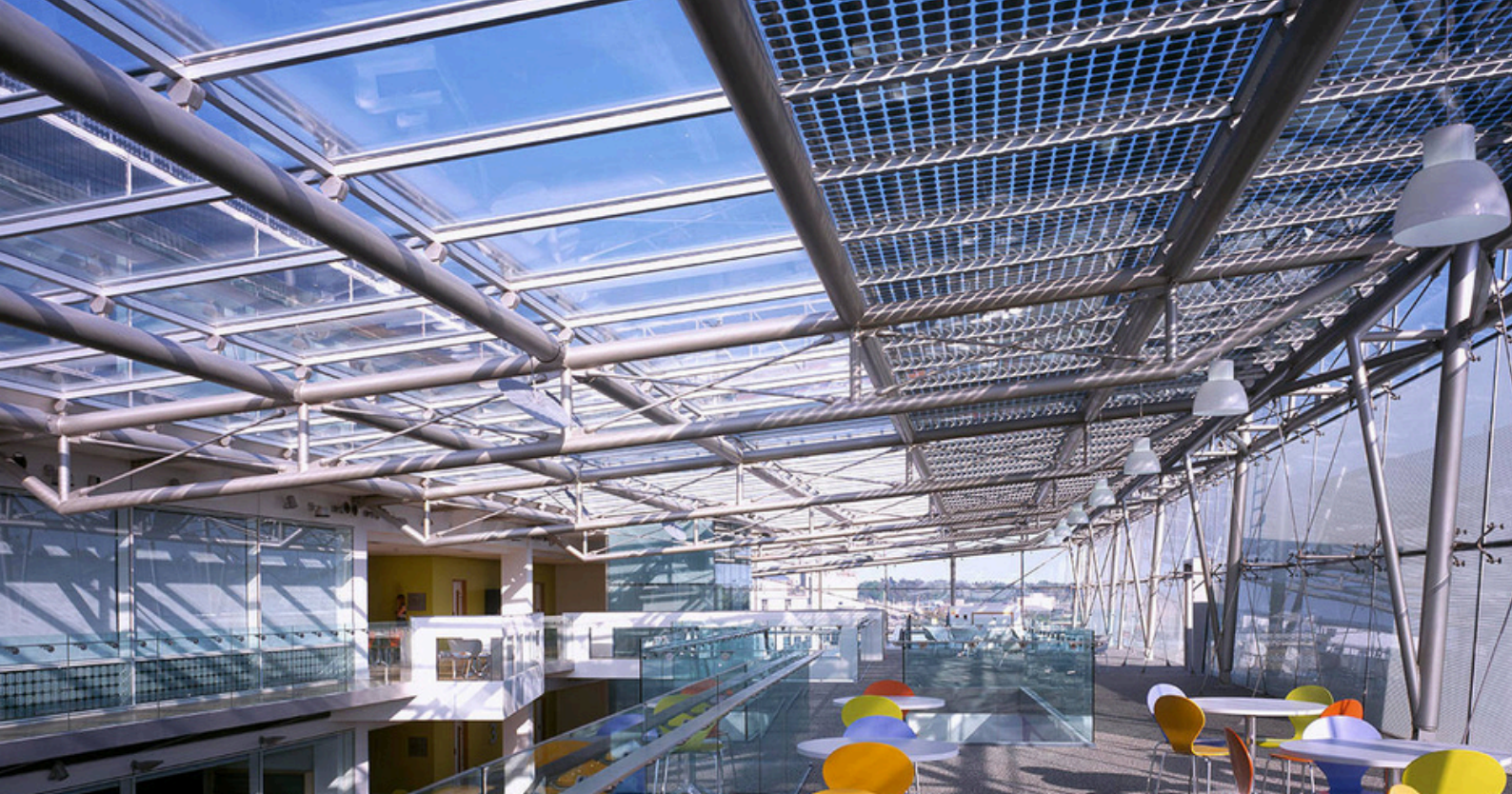
Endeavour House has a modernist, glazed exterior that looks amazing, but the large area of glass has no opening windows, so the building has become like a greenhouse, even in winter months.

Challenges

With no mullions a non-invasive, non-disruptive and cost-effective solution was required.

KoolShade® is very simple to fit. Retrofitting to buildings, using either frames, cable systems or outriggers can enhance the aesthetic of any building and proven to last many decades.





THE SOLUTION

“The massive atrium has no opening windows and no ventilation; when the sun shines it is uninhabitable,” Mr Chiverton said.

He said there was no air conditioning in the central area - and it was very uncomfortable on fine days

“It’s going to be hellish in the summer.”

As reported in the **IPSWICH STAR**



The use of KoolShade® has added a stylish envelope to a section of the building which brings thermal comfort to those inside. The areas that are protected by MicroLouvre® are glare-free, but more importantly, aren't made unbearably hot and kept cool by blocking Solar Heat Gain.

Daylight through is maximised and vision out, and a connection to the outside of the building remains.



RESULTS

- 100% solar heat block
- 100% summer shading
- Hurricane wind resistant at 100mph
- Clear outward vision
- 40-year maintenance-free life span
- Massive energy saving and ROI
- Green, sustainable building
- Temperatures reduced by up to 20°C

