

The Benefits of Using **KOOLSHADE**[®]

FROM



100%

STAFF WELLNESS

Solar
Shading

MicroLouvre Koolshade[®] provides 100% shade at the hottest parts of the day

100%

EMPLOYEE COMFORT

Heat
Block

Koolshade[®] removes 100% of the sun's directly transmitted heat before it reaches your window

100%

SUSTAINABILITY

Recyclable &
Eco-Friendly

Made from recycled scrap metal, the frames and fabric are 100% recyclable at end of life

68%

CAPEX REDUCTION

Reduction in
HVAC Costs

Saving over 68% of air conditioning costs, the financial gain can be huge



Learn more at: WWW.SMARTLOUVRE.COM

...but it doesn't stop there!

MAINTENANCE FREE

Durable &
Long-lasting

Buildings that had Koolshade® fitted over 60 years ago, still benefit today

60+

CONTINUAL COST SAVING

Running
Costs

Koolshade® cost nothing to run once installed and won't need replacing every few years

£0

CONNECTION TO THE OUTSIDE

Open
Area

Because Koolshade® is a louvred fabric, the vision out remains uninterrupted

80%

INCREASE USABLE SPACE

Improved
Value

Koolshade® will maximise rentals, free-up floor space hot zones and improve rental values

£££'s

LET'S LOOK AT THE FACTS

In the UK Cooled Office floorspace area is increasing by 6.5% annually.

This can substantially increase a building's energy consumption.

bre

A BRE case study estimated that installing air conditioning in a typical open-plan office would require an extra 55 kWh/m²/year, resulting in overall air-conditioning running costs of **£14.90/m²/year**.



This would mean a 10,000 m² office would cost **£149,000** Annually to Air Condition



WHAT DO THE FACTS, FIGURES AND PERCENTAGES MEAN IN REAL TERMS?

Read on to see the huge money saving potential.

KOOLSHADE®
The Ultimate In Passive Solar Shading

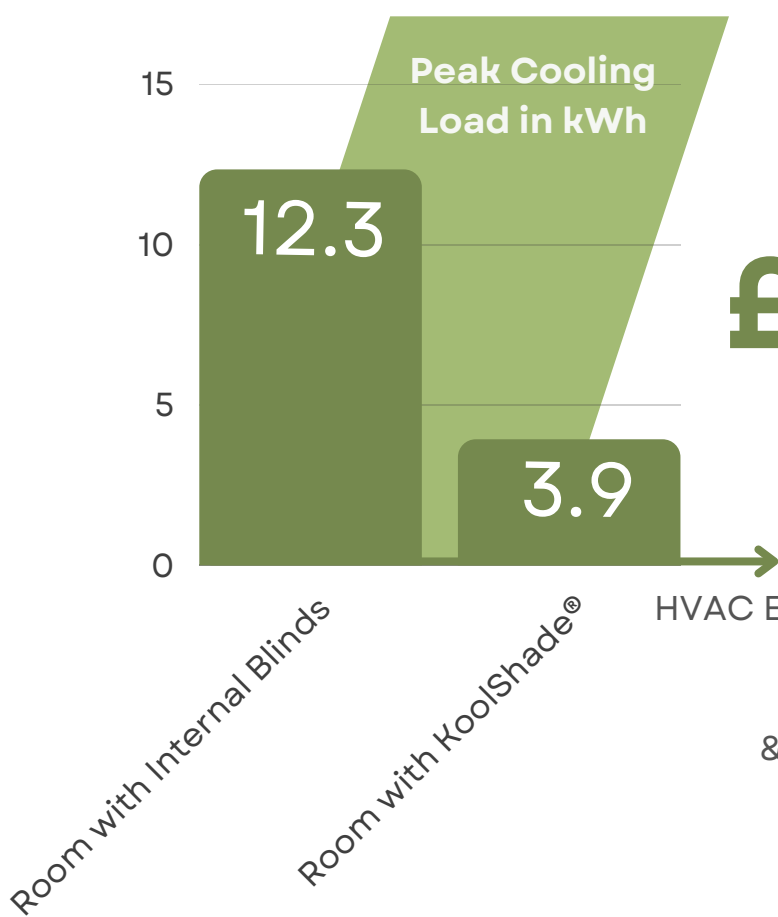
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FROM
Smartlouvre
Technology

LET'S TALK MONEY

The percentage decrease in energy consumption is on average 68.29%



If a company spends £149,000 per year on HVAC costs, this would equate to an **Annual Saving of:**

£101,752

This is in addition to the savings from additional costs of:
 HVAC Equipment & Installation
 Servicing & Upkeep
 Ongoing Repair & renewal every 15 years

LET'S TALK VALUE

Once installed, KoolShade® costs nothing to operate. It is passive and will remain 100% effective for decades. **It is maintenance free**, and if cleaning is required, simply use clean water.

If the screens are fixed in place, a pressure washer can be used, or where the screens are moveable, glazing can be cleaned as normal to your usual routine. As a shield from the elements, KoolShade® reduces the frequency of cleaning needed.

Lifetime Value Over Supply & Installation

KOOLSHADE®

Only £350/m² Supply & Fit cost
 Zero running costs post installation
 Longevity 60+ years
 No planning permission required

£350/m² investment
 £5.83/m² per year over 60 years

With KoolShade® fitted Running cost SAVINGS

£888/m² total
 Investment Gain £538
 ROI 153.71%
 Annualized ROI 1.56%

AIR CON

£14.90/m² per year running costs
 £395/m² Supply & Fit cost
 Planning permission required
 Will need replacing every 15-20 years

£395/m² investment
 £894/m² per year over 60 years
 (plus maintenance and renewal)
 (dependent on the type of air con installed)



- 37.0% Space Cooling
- 25.5% Home Appliances
- 12.4% Heating
- 7.8% Lighting
- 17.4% Other Services

Reducing the use of energy is a goal for most countries around the world.

Despite many pledges, conferences and innovations to tackle the causes of global warming, CO₂ emissions from energy and industry have increased 60% since 1992.

Air conditioning currently accounts for 10% of the world's electricity use, and that figure is rising. It can increase a building's energy consumption (and associated carbon emissions) by up to 100%. KoolShade® reduces the need for air con by up to 68%. Imagine the impact of that on a global scale.

Air Conditioning Biggest Factor in Growing Electricity Demand

Global electricity demand growth from 2018 to 2050, by energy use category

Source: IEA