



WHEN SOLAR SHADING BECOMES PART OF THE STORY

In the new Experimentarium in Copenhagen, innovative solar shading is both part of the design and part of the story of nature and technology.

The Experimentarium is a Science Centre designed to stimulate curiosity among children and adults about natural science and technology. Architecturally, the new building has been designed to be open and to create interaction with the surroundings.

However, when a building is fitted with large areas of glazing facing south, this creates significant challenges for the indoor climate. Here, the glass area is 9.5 metres high and 16.5 metres wide.

Hence the glass area has been fitted with MicroShade's solar shading. It screens offices and shared areas from the heat of the sun, and does this so effectively that there are no noticeable problems with heat for those working there. From the inside, there is always a full, open view out to the surroundings through the transparent solar shading.

In addition to a good indoor climate and view out, MicroShade also ensures a beautiful, minimalist design for the building, where the thin, vertical stripes become part of the façade. The solar shading also fits in well with the story of the Experimentarium, because it is innovative, Danish technology with nano-perforated lamellas that reflects up to 90 pct of the sun's heat.

The client chose MicroShade because it scores well on all indoor climate parameters, and because it fits perfectly with the story of a world-class Science Centre.

REFERENCE:

**Experimentarium,
Copenhagen**

CLIENT/ARCHITECT:

Experimentarium /
CEBRA architecture

SOLAR SHADING:

MicroShade MS-A Vertical.
156 m² in south façade.
g-value: 0.12 - 0.15

INDOOR CLIMATE:

Reduces annual heat radiation
by 25,700 kWh.

ADVANTAGES:

- Ensures good indoor climate and thermal comfort
- Ensures natural daylight in offices and shared areas
- Full view, all year round
- Reduces heat radiation
- Long lifetime with lower life cycle costs
- Fits in with the architecture



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