

THE YELLOW HOUSE

Aalborg Denmark Latitude : 57 N

The Yellow House is located in Aalborg and was built in 1900. It is four stories high and consists of 8 apartments. The South facade faces a back garden. This building has undergone an advanced energy efficient renovation. Glazed balconies have been added to the south facade incorporating advanced glazing above insulated glazed parapets incorporating PV panels and pre-heating of ventilation air.

The building has been insulated and incorporates roof integrated solar hot water panels. The project was awarded with the danish solar award in 1998.



- Glazed sunspaces

Two types have been used in the renovation. One is an integration of the balcony into the flat, which enlarges the size of the whole apartment. The second is a glazed balcony which gives a lower energy loss due to a higher "ambient" temperature and reduced infiltration.

- Sunspaces oriented South

Low E double glazing with integrated venetian blinds.

- Frame type

Aluminium with thermal break.

- Height of glazing

Varies, as glazed facade accommodates a variety of panels, including photovoltaics and wooden panels.

- Description of shading

Venetian blinds, between the two layers of glazing.

- Ventilation

Demand controlled moisture regulated mechanical ventilation. Fresh air enters the flats via the glazed solar wall where it is preheated if solar conditions permit.



Picture of the south facade of The Yellow House

North facing front side of the Yellow House before and after.

