



SageGlass®

## HOSTELLERIE AM SCHWARZSEE

Black Lake, Switzerland

### CASE STUDY

#### CHALLENGE

Hostellerie am Schwarzsee is located on the banks of the Black Lake on a sunny plateau at an altitude of 1040 metres above sea level. It offers a splendid view of the Prealps, yet the restaurant's guests were frequently disturbed by strong sunlight that reflected off the lake or the snow, and its resulting heat. Consequently, the curtains often had to remain closed, hiding the beautiful view.

Mr. Roodbeen, the co-owner of Hostellerie am Schwarzsee, wished to renovate the façade of the dining room to allow guests to benefit from the view at all times, without compromising on their thermal and visual comfort. As part of the renovation, he also wished to add an additional level to provide guests with conference rooms and function space, which must offer the same level of comfort as the dining room.

*“Since the installation of SageGlass glazing, business at my restaurant has considerably increased. The view is breathtaking, and our clients can now enjoy it all through the year.”*

**Peter Roodbeen**

Co-Owner of Hostellerie am Schwarzsee

# Hostellerie am Schwarzsee

Black Lake, Switzerland

SageGlass®

## SOLUTION

SageGlass proved to be the ideal solution to fulfill this criteria. The product of 25 years of research and development, SageGlass dynamic glazing makes interior spaces much more comfortable for occupants. It is a durable and beautiful solution for new or retrofitted facades, designed to maximise outdoor views. At the Hostellerie am Schwarzsee, SageGlass protects guests from heat and glare, optimises the quantity of natural light entering the building, and preserves the breathtaking view of the Black Lake and the Prealps beyond.

The restaurant is fitted with SageGlass LightZone™ technology, which allows for three individual tint zones within a single pane of glass – providing better colour rendering and optimal solar control.

SageGlass tints to various levels by adapting to the outside conditions automatically or integrating with a building management system. The tint can also be manually controlled via a wall panel or Smartphone app, if, for example, people using the new conference rooms wish to darken the glass to improve the visual quality of a video projection.

## BENEFITS

The co-owner, Mr. Roodben, has already seen an increase in the number of guests at his restaurant. Hostellerie am Schwarzsee now offers a magnificent view – no longer obscured by shades – at any time of day. To dine while gazing onto a beautiful landscape does not have to come at the cost of visual or thermal discomfort. To be sure, the building will also experience long-term energy savings by optimising heat gain.



The façade of the restaurant Hostellerie am Schwarzsee adapts its tint to the exterior conditions, so that the guests can admire the view of the Black Lake and the Prealps at all times.

**CLIENT:** Hostellerie am Schwarzsee

**ARCHITECT:** Mäder + Luder Architekten

**PRODUCT:** 150 m<sup>2</sup> (1615 square feet) of SageGlass Climatop Classic with LightZone™

**COMPLETED:** 2017

## WHY SAGEGLASS?

The pioneer of the world's smartest electrochromic glass, SageGlass® is the ultimate connector between the built and natural environments. SageGlass tints on demand to optimize daylight, reduce glare and manage heat – all while maintaining unobstructed views of the outdoors. With SageGlass, architects and building owners can improve occupant comfort and reduce energy demand in buildings. As a wholly owned subsidiary of Saint-Gobain, SageGlass is backed by more than 350 years of building science expertise. Learn more at [www.SageGlass.com](http://www.SageGlass.com) or join SageGlass on Twitter, Facebook and LinkedIn.