



SageGlass®



CENTRE HOSPITALIER UNIVERSITAIRE VAUDOIS

Lausanne, Switzerland

CASE STUDY

CHALLENGE

The Centre Hospitalier Universitaire Vaudois (CHUV) is one of five Swiss university hospitals. Thanks to its collaboration with the Faculty of Biology and Medicine at the University of Lausanne, CHUV is a European leader in medical treatment, medical research and training. It serves as a general hospital for the local population as well as a destination for specialty care.

In 2016, CHUV (also known as Lausanne University Hospital) began the design and construction of an addition to the west wing of its Orthopaedic hospital building, adding a new floor to create three new operation rooms and a recovery room. The leaders of CHUV wished to enhance the new space with a first-rate solar control solution that would ensure the comfort of patients and staff by providing optimal interior conditions during operations and the recovery process.

“Operating theatre windows that can preserve the outdoor view while preventing glare, UV damage and heat gain are a major advantage.”

Didier Caron
Architect and Works Director



SAINT-GOBAIN

Centre Hospitalier Universitaire Vaudois

Lausanne, Switzerland

SageGlass®

SOLUTION

To promote high-quality daylight in the new space, CHUV selected SageGlass dynamic glazing from Saint-Gobain. SageGlass discreetly darkens and lightens throughout the day in response to the sun, all the while remaining transparent. This technology controls incoming solar heat and glare while preserving the outdoor view and maintaining a comfortable level of balanced daylight for people inside.

Unlike conventional sun control solutions, such as blinds or shades, SageGlass never takes away the occupant's connection to the natural environment. Thus, the breathtaking view of the Lac Léman from the new patient recovery room would be accessible any time of day through SageGlass.

BENEFITS

The staff and the patients benefit from a maximum of quality, comfortable natural light, as well as the uninterrupted exterior view. Several studies have demonstrated how patients benefit from daylight and views of nature during the healing process. By selecting SageGlass, CHUV sought to foster more pleasant working conditions for staff and an improved recovery experience for patients.

In a hospital setting, SageGlass also provides a helpful sanitary benefit: dust does not accumulate on the glazing, the way it does on conventional interior solar control options, like curtains or blinds. This can help the facility reduce maintenance costs. By controlling the amount of solar heat gain, SageGlass is also expected to help the facility reduce its energy use – allowing building managers to better control the interior temperature with less reliance on mechanical systems for heating and air-conditioning.



An operation room, a recovery room and the orthopaedic hospital corridors are fitted with SageGlass glazing so that patients and staff benefit from comfortable natural light and the exterior view.

ARCHITECT AND WORKS DIRECTOR: Didier Caron, Atelier Gamme Architecture SA

FAÇADE SPECIALIST: SVS SA

PRODUCT: SageGlass Climatop Classic

COMPLETED: 2016

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 or join SageGlass on Twitter, Facebook and LinkedIn.

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