

SageGlass®

SMARTER HEALTHCARE ENVIRONMENTS



TINTABLE GLASS. HAPPIER PATIENTS.





HEALTHCARE FACILITIES CHALLENGES

Designing a **healthcare facility that contributes to heal patients** is crucial. Moreover, positive **patient experience** is strongly correlated with positive medical outcomes. However, too many hospitals are still **anxiety-provoking** and **cannot deliver the healing and stressless environment** patients and staff crave.

Stress

Healthcare professions are among the first six most stressful ones¹

Unwelcoming facilities

Hospitals are often compact and barely receive natural light, leading to additional stress for visitors

Staff retention

The turnover rate in hospitals is 19.1%², costing hospitals a lot of money

Energy performance

Hospitals are among the most energy-intensive buildings due to larger facilities' sizes, high energy consuming equipment and longer operating hours

Infections

Hospital-acquired infections affect hundreds of millions of patients every year³

ENHANCE PATIENTS & STAFF WELL-BEING

Independent studies in Healthcare buildings have demonstrated the **therapeutic effect of nature** and numerous positive outcomes for patients, associated with ample **natural light** and **views** to the outside, including:

22% less pain medications⁴
3.7 days earlier release⁵
21% decreased medical costs⁴

Studies have demonstrated similarly positive impacts of natural light and views on staff alertness, performance and well-being.

INCREASE ATTRACTIVENESS

Patients tend to determine the quality of a service or a healthcare professional based on the quality of the entrance hall, waiting and consulting rooms, including the lighting. Natural light and views to the nature can help **create relaxing, comfortable and welcoming spaces**, similar to those in the hospitality market. This contributes to reassuring and win patients' and visitors' loyalty.

One of the challenges for hospital administrators also lies in **recruiting competent staff members and retaining them** over time. Offering them a comfortable and pleasant work environment helps a lot.

SEE HOW SMART GLASS CAN HELP

The use of SageGlass helps create a smart, connected and healthy environment.



Ample daylight and unobstructed outdoor views without glare



Reduction of energy loads up to 20% and peak energy up to 26%



Smart, connected and adaptable healthcare facility



Attraction and retention of the best medical team and patients



Clean solar protection, no dust accumulation



Thermal comfort

CLEAR WHEN YOU WANT IT, DARK WHEN YOU NEED IT

SageGlass tints automatically in response to the sun. Exterior sensors along with intelligent, predictive algorithms dictate the tinting of glass to ensure the building occupants stay comfortable year round. Patients & staff can have control too (whether from a wall-mounted touchpad, mobile device or BMS system), decreasing their level of stress⁶.



CLEAR

Maximum sunlight and heat when no glare control is needed



LIGHT

Moderate protection from glare and heat while still allowing daylight



MEDIUM

Stronger heat and glare protection with less daylight admitted



DARK

Maximum available glare and heat control with minimal daylight admitted



HEALTHCARE FACILITIES THAT HAVE SELECTED SAGEGLASS INCLUDE:

- McFarland Clinic (USA)
- Meeker Memorial Hospital (USA)
- Bellavista eye clinic (Switzerland)
- Choctaw Nation Medical Center (USA)
- Centre Hospitalier Universitaire Vaudois (Switzerland)
- Fairview Ambulatory Entrance (USA)
- Mercy Orthopedic Hospital (USA)
- Willamette Falls Medical Center (USA)
- Children's Hospital of Philadelphia (USA)
- Memphis VA Medical Center (USA)
- Loma Linda VA Med/Surg Leo Daly (USA)
- St Luke's Hospital (USA)
- Smart Automated Care (Canada)
- VA Medical Center (USA)
- La Lignière clinic (Switzerland)
- Martin County Health Services (USA)

REFERENCES

- ¹ The Impact of Healthcare Workers Job Environment on Their Mental-emotional Health, Health Psychol Res. 2015 Apr 13; 3(1): 1984
- ² 2019 National Health Care Retention & RN Staffing Report, NSI Nursing Solutions, Inc.
- ³ World Health Organization
- ⁴ Walch et al., 2005
- ⁵ Benedetti et al., 2001
- ⁶ Sadler et al., 2008

WHY SAGEGLASS?

SageGlass® is the pioneer of the world's smartest dynamic glass and is transforming the indoor experience for people by connecting the built and natural environments. Electronically tintable SageGlass tints or clears on demand to control sunlight and prevent heat and glare without the need for blinds or shades. SageGlass dramatically reduces energy demand and the need for HVAC by blocking up to 91 percent of solar heat. As part of Saint-Gobain, SageGlass is backed by more than 350 years of building science expertise that only the world leader in sustainable environments can provide.

To learn how we can help you design an office to attract and retain top talent, visit: sageglass.com/eu/commercial

Contact your local SageGlass representative at: sageglass.com/contact

