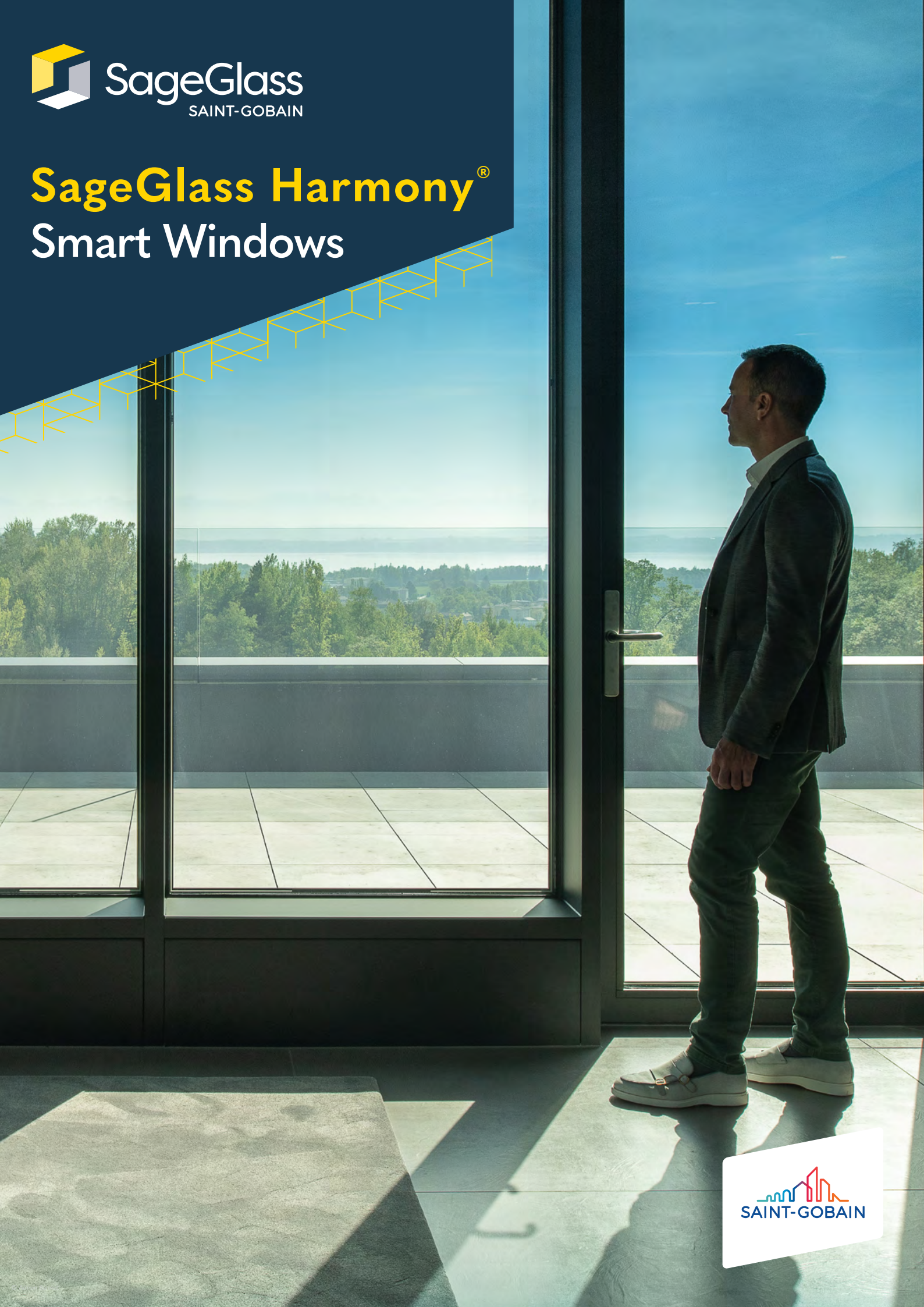


SageGlass Harmony[®]

Smart Windows



A Seamless Outdoor Connection with Smart Windows

Most spaces fail to deliver adequate daylight and views, even when they have a lot of glass. Traditional buildings use manual blinds, which are typically down for 50% to 70% of the workday¹. SageGlass smart windows, which tint and clear automatically to control glare and heat, provide an enhanced occupant experience, delivering the ultimate connection to the outside world.



Why Smart Windows Are Better

Data shows that workplaces with smart windows offer significant health and productivity benefits² compared to “traditional” spaces with roller shades. Workspaces with smart windows can offer:

			
-51%	-77%	+37 min	+42%
Decrease in Eye Strain	Decrease in Reports of Feeling Depressed	Increase in Sleep per Night	Increase in Cognitive Function Test Scores

¹ www.sageglass.com/industry-insights/benefits-daylight-and-views-offices-schools-and-healthcare
² 2017 Study “Effects of Electrochromic Glass on Computer Vision Syndrome” by Cornell University Professors Alan Hedge & Danny Nou

The Ultimate Smart Window Solution

Earlier generations of Smart Windows could only tint the full pane, compromising daylight and color rendering for glare control. SageGlass Harmony® is the first and only smart window to eliminate that tradeoff. With in-pane gradient tinting, Harmony delivers precision glare control while maximizing daylight and preserving color rendering for a more natural aesthetic occupants appreciate.



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

Peter Roodbeen
Hostellerie am Schwarzsee

The Harmony Advantage

While all smart windows keep occupants cool and comfortable without obstructing views or compromising design, only SageGlass Harmony® can deliver:

- Gradual, in-pane tint transitions, providing targeted glare control where you need it
- Improved intense glare management, up to 30% better than traditional electrochromic glazing*
- Maximized daylight with improved interior color rendering and circadian lighting
- Capable of both full-pane and gradient tinting

Gradient Tinting in Action

In studies performed at the Saint-Gobain North American headquarters, research proves that²:

- In extreme conditions, SageGlass Harmony managed intense glare 30% better than traditional electrochromic solutions.
- SageGlass Harmony outperformed traditional, full-pane electrochromic glazing in meeting or exceeding recommended levels of circadian stimulus (CS).

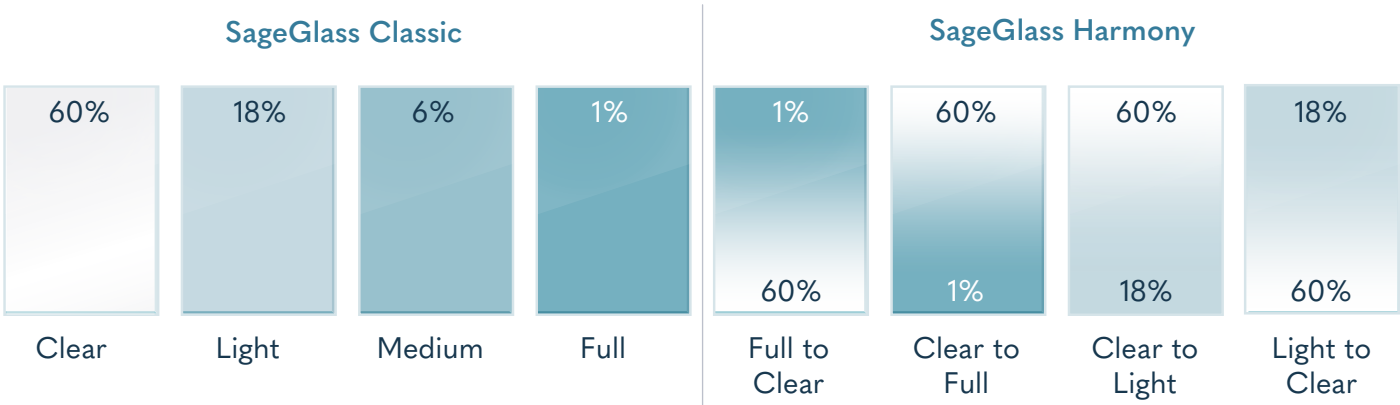
“Across all parameters and outcomes investigated, there was a positive and significantly better performance of the gradient-tinted electrochromic glazed façade. There were sizeable improvements in visual comfort, thermal comfort, and circadian light entrainment over all other glazing technologies tested.”

Ihab Elzeyadi, Ph.D., FEIA, LEED AP
Professor of Architecture
Director-at-Large, Architectural Research Centers Consortium
Director, High-Performance Environments Lab (HiPE)
University of Oregon



Versatile Tint States

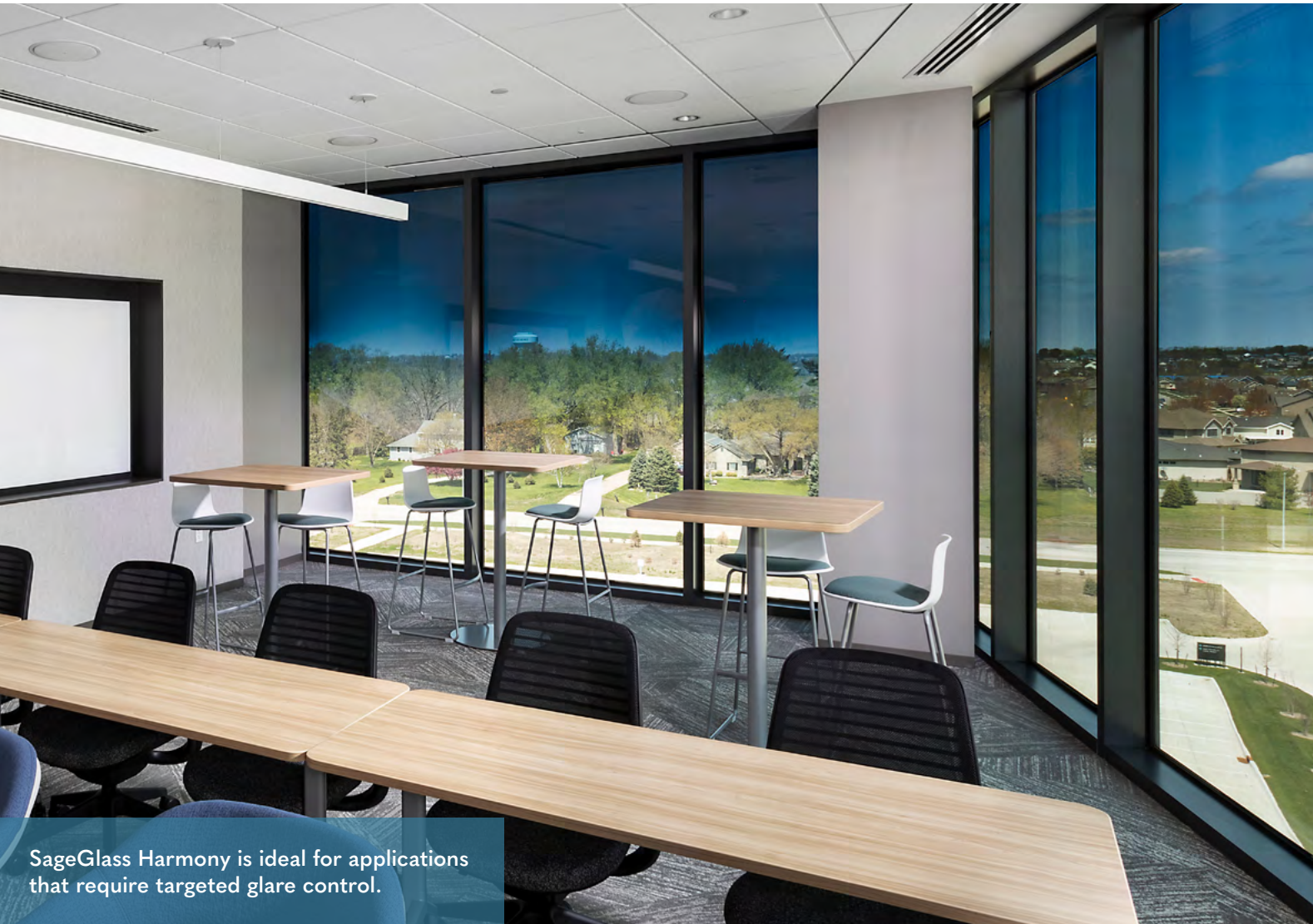
The most versatile dynamic glazing solution available, SageGlass Harmony[®] offers eight unique tint states, including four natural gradient tint states as well as four standard, full-pane tint states. The SageGlass intelligent algorithm chooses between these tint states based on weather conditions at a given moment in time.



Flexible Design Solutions

The SageGlass product portfolio provides architects and building owners solutions to meet the specific demands of their spaces. For applications that call for full-pane tinting in certain areas, SageGlass Harmony integrates seamlessly with SageGlass Classic.

Application	Classic	Harmony
Punched Openings	✓	✓
Ribbon Windows	✓	✓
Floor-to-Ceiling	✓	✓
Structural Glazing	✓	✓
Shapes	✓	
Skylights	✓	
Landscape Orientation	✓	





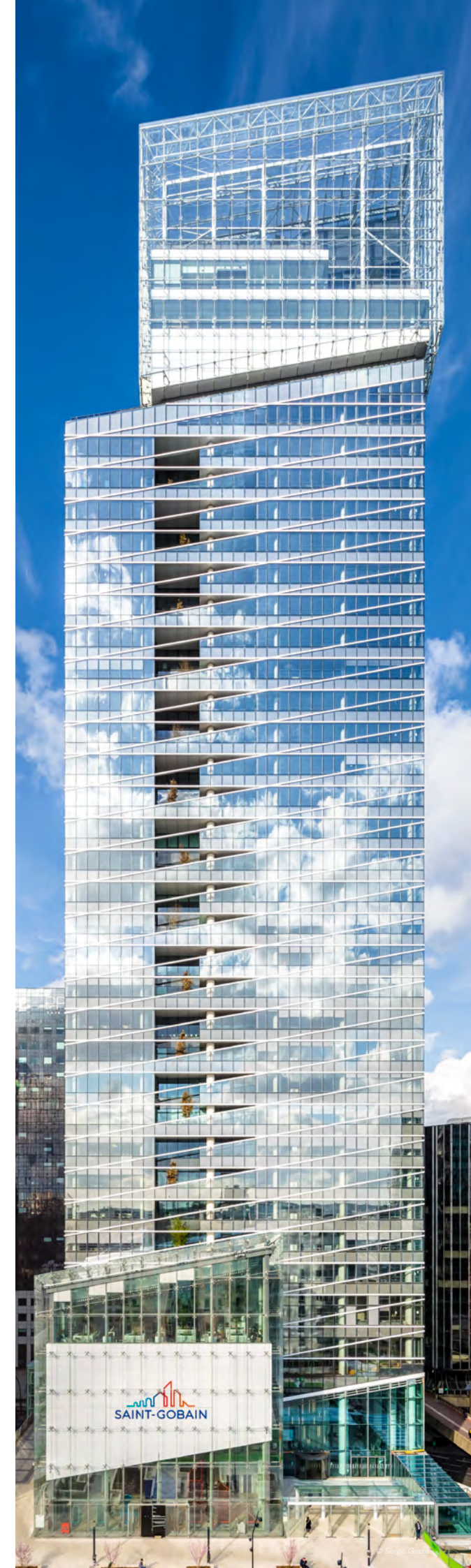
"Natural light will really help employees enjoy the facilities. Harmony is designed to not need window coverings, as it adjusts for glare and brightness as necessary, and also as it lets in the natural light as much as possible."

Stacy Marean
Sammons Financial Group

Why SageGlass

Owned by Saint-Gobain, the leader in light and sustainable construction, SageGlass is the only dynamic glass manufacturer with over 350 years of building science and glass experience.

We aspire to help create low-carbon buildings that enhance occupant wellness by delivering the world's best smart windows. Smart window technology is constantly evolving and our research and development team is consistently innovating to deliver best-in-class solutions.



See SageGlass Harmony® in Action

Projects worldwide have selected SageGlass Harmony smart windows to provide occupants the ultimate connection to the outdoors.



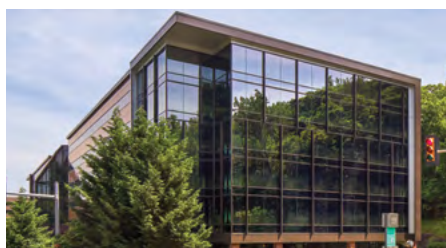
Google Bagmane Rio



IQHQ Research & Development



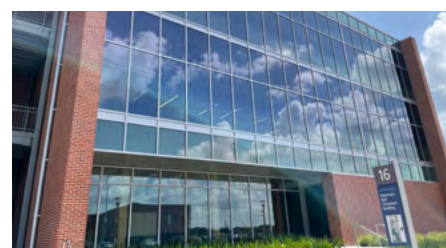
Geneva Marriott Hotel



Keystone Properties 1K1



Sammons Financial Group



San Jacinto College



Carson Group Headquarters



Raiffeisenbank



Millennium