

BOKART

GLASS

**SMART
GLASS**

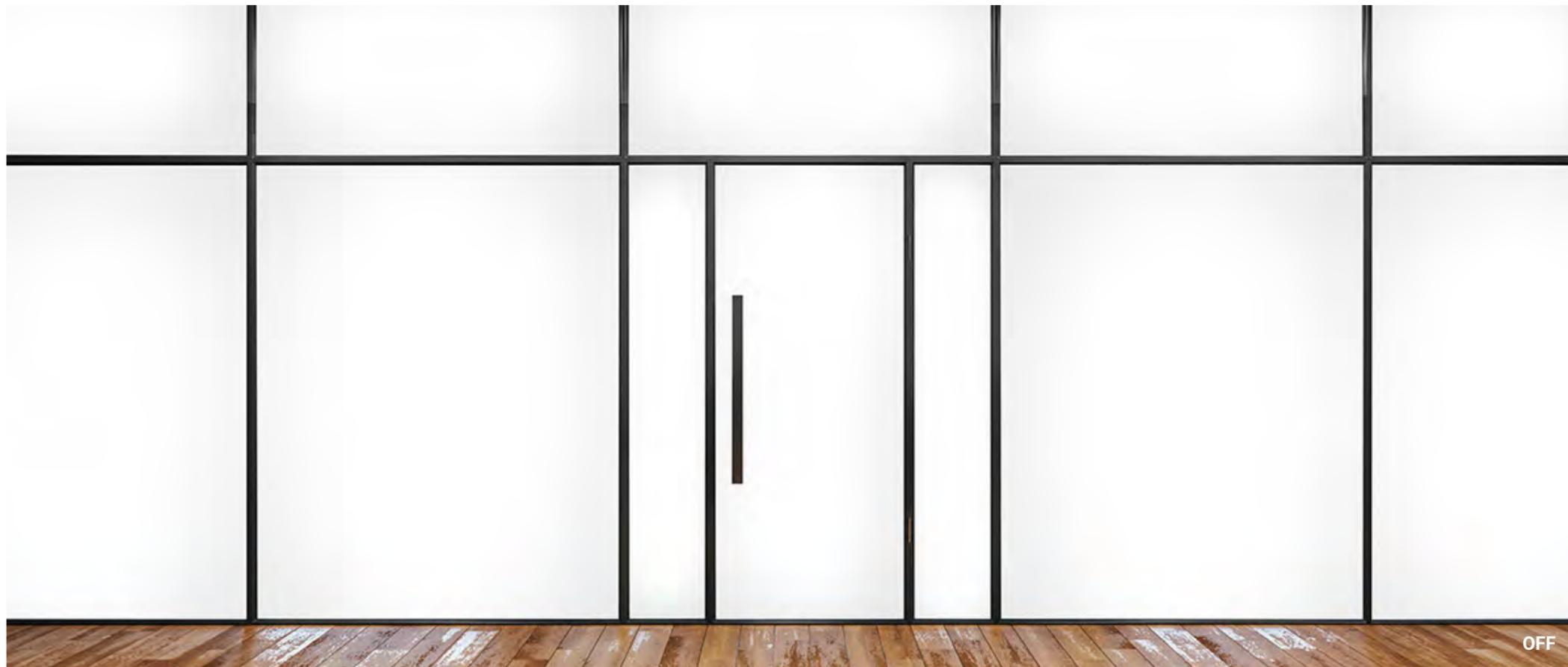


High-Tech Solutions for Your Privacy

Smart glass is a technologically advanced glass system for both indoor and outdoor use. This revolutionary technology enables a number of new functional and aesthetic solutions. Thanks to the creative use of PDLC (Polymer Dispersed Liquid Crystal) film properties, smart glass can instantly change from opaque to transparent. Specifically, the liquid crystals within the film align into a regular grid under voltage (ON state), allowing transparency. When the electrical voltage ceases (OFF state), the liquid crystals disperse irregularly into an opaque film. Smart glass retains its properties of sound insulation, mechanical resistance, and resistance to high temperatures and water.

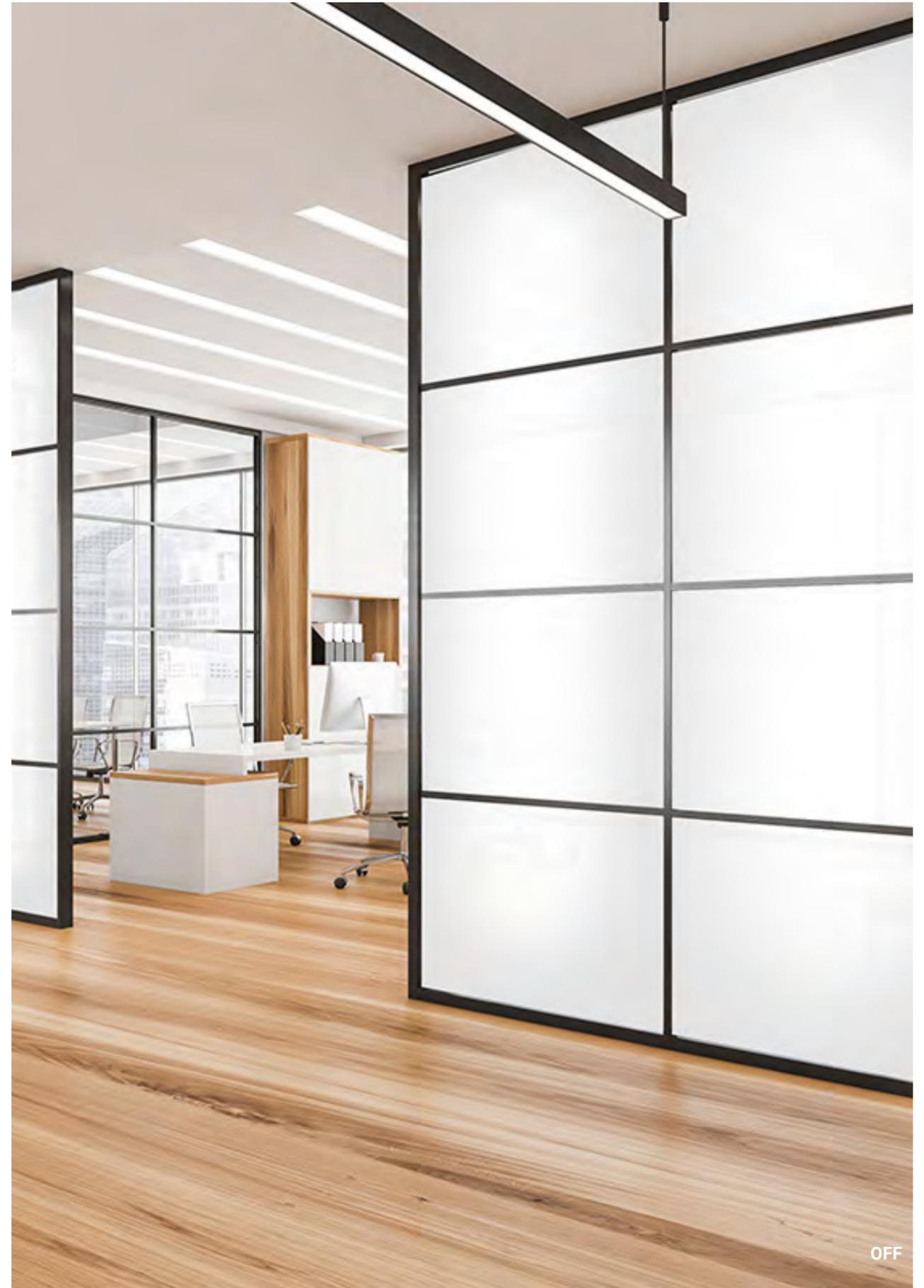
Smart glass is increasingly used in areas such as:

- spa and wellness centers
- healthcare facilities
- private residences
- residential and commercial buildings





ON



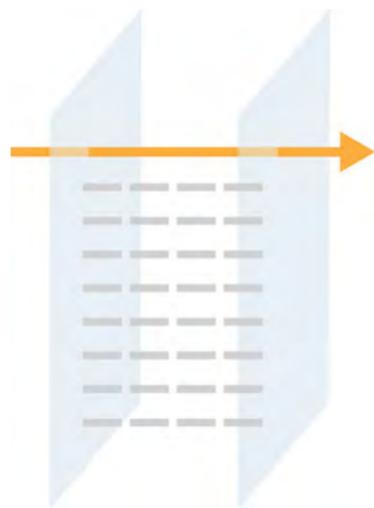
OFF



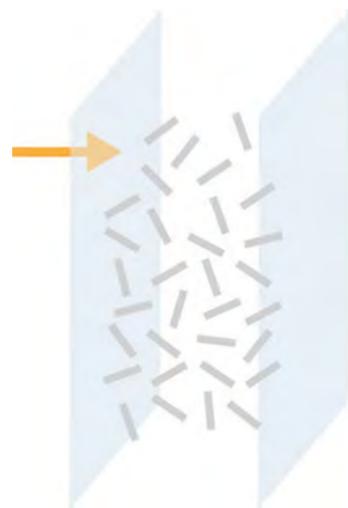
ON



OFF



TRANSPARENT GLASS
ON state - liquid crystals in proper alignment.



OPAQUE GLASS
OFF state - randomly dispersed liquid crystals.



PRIVACY WITH ONE CLICK
Smart glass can be controlled via remote or dimmer. A single click is enough to transform the space and achieve the desired level of privacy.

GLASS WALL
Smart glass provides instant protection from view, ensuring the privacy of your home.



Dynamic Design

Any type of pattern or motif can be applied to smart glass. In the ON state, the design is subtle, while in the OFF, opaque state, the glass ensures privacy and the motif stands out against the background. Whether simulating the texture of materials like stone, geometric patterns, or illustrations, the suitable motif enhances the ambiance of your space.



APPLICATION
Windows, glass doors, shower cabins, and partitions - everything is possible to make from smart glass.



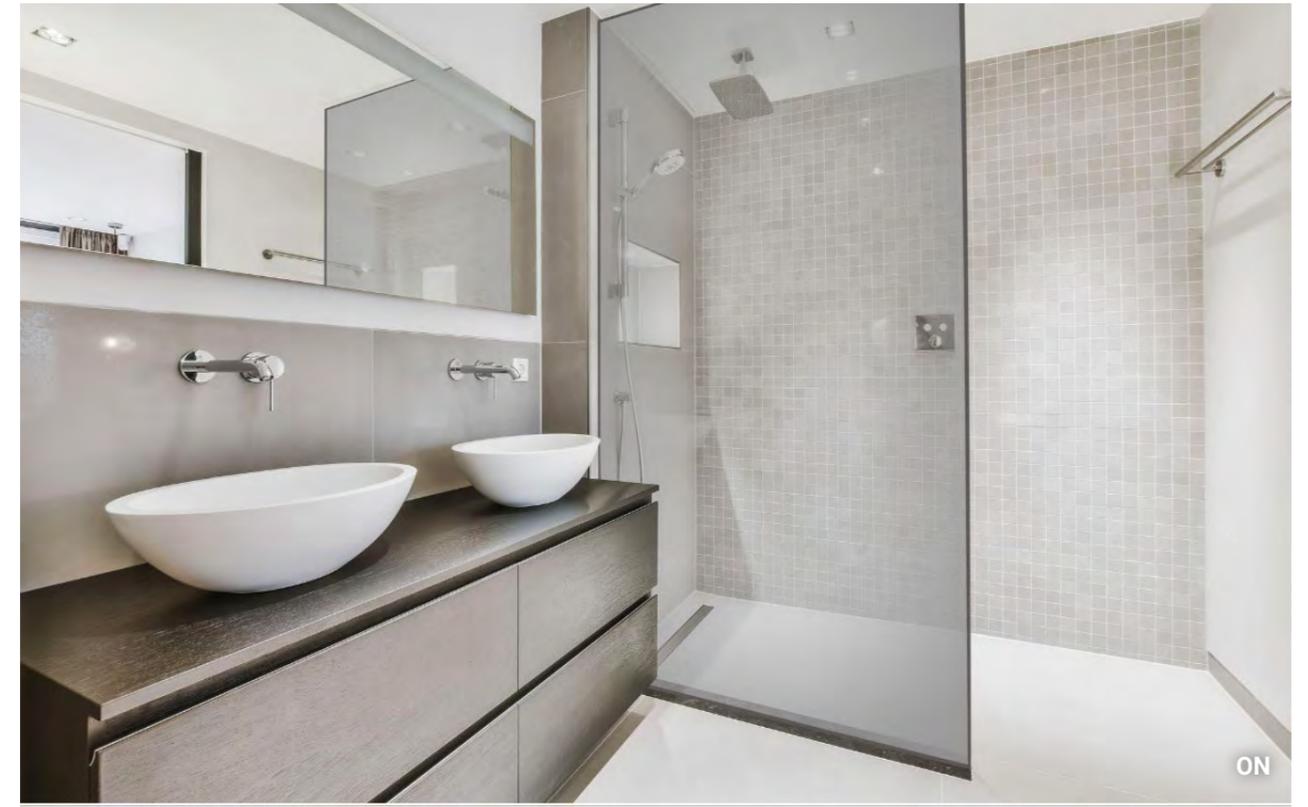
MAINTENANCE
Smart glass is easy to maintain, cleaned with a damp cloth and simple glass cleaner.



LIFESPAN
Smart glass products can remain in the ON state for 100,000 hours, which means they typically last 15 to 20 years.



ENERGY EFFICIENCY
Smart glass is highly energy-efficient, consuming less than 5 W/m².



BEDROOMS AND HOTEL ROOMS

Smart glass offers practical partitioning of different areas within a home. It provides an elegant solution for separating bedrooms or hotel rooms, study rooms, and living rooms.

SHOWER CABINS

Smart glass retains its resistance to temperature and water, making it suitable for use in wellness and spa centers as well as bathrooms.

					
MAX. DIMENSIONS	THICKNESS	SAFETY TREATMENTS	GLASS TYPES	PROCESSING OPTIONS	APPLICATIONS
3000 x 2000 mm	9, 11, 13, 17, 21 mm	laminated, tempered laminated	optiwhite, float, blue, bronze, grey, green	hole drilling, CNC cuts, irregular shapes	windows, doors, shower cabins, partitions