

FUTURE

Tomorrow starts Today



CREATIONS | SWITCHVIEW

WHEN LEISURE MEETS
PRIVACY

FUTURE | GLASS





SWITCHVIEW

The most positive characteristic of glass, its transparency can also become a weakness when privacy is needed. That's why we have introduced **SWITCHVIEW**, an innovative glass solution that turns from transparent to translucent (or vice-versa) at the flick of a switch.

Ideal for a wide range of exterior and interior applications, **SWITCHVIEW** is powered by cutting edge technology that eliminates the need for blinds and external sun barriers. With its proprietary design, **SWITCHVIEW** is able to adapt to your requirements aided by a Liquid Crystal Layer integrated into a laminated glass panel.

In **SWITCHVIEW**'s default state, the Liquid Crystal particles are dispersed within the layer in a random orientation, which blocks the flow of light making the glass translucent. When electricity is applied, the particles within this Liquid Crystal Layer align parallelly to each other and allow light to pass through the glass making it transparent.



Turnkey
solutions
with
complete
accountability

Why SWITCHVIEW



Switches from transparent to opaque, or visa-versa on demand



Provides instant and precise privacy control while allowing for well-lit interior space



Can be curved, drilled or formed in specific shapes based on its application



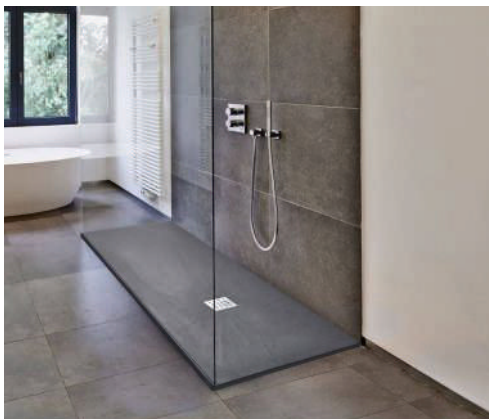
Low working voltage (5 Watts per sq mt)



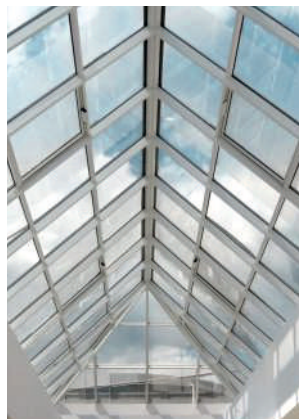
Large size possible upto 1800mm x 3500mm



Available with various types of control mechanisms and designs



Provides instant and precise privacy control while allowing for well-lit interior space



Single or double glazed panels for use in skylights



Blocks 90% of UV rays hence preventing fading

FUTURE | GLASS

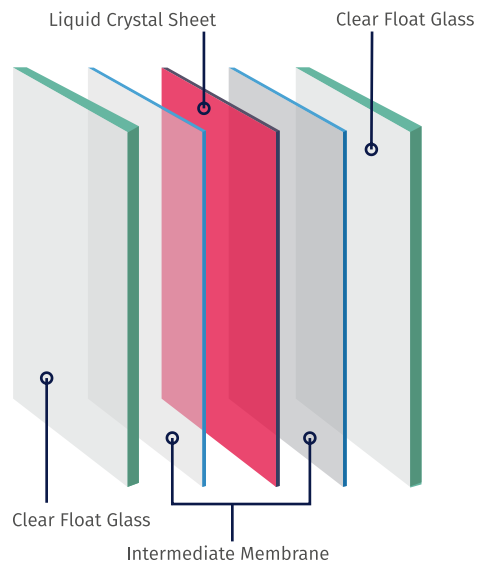


How it works

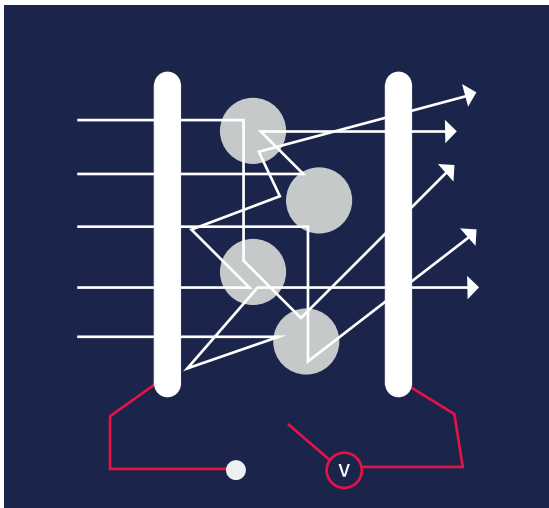
When the power is off the liquid crystal molecules are randomly oriented and will scatter incidental light. This renders the Switchable Privacy Glass panel opaque.

When an electric current is applied, the liquid crystal molecules line up, the incidental light passes through, and the privacy glass becomes clear.

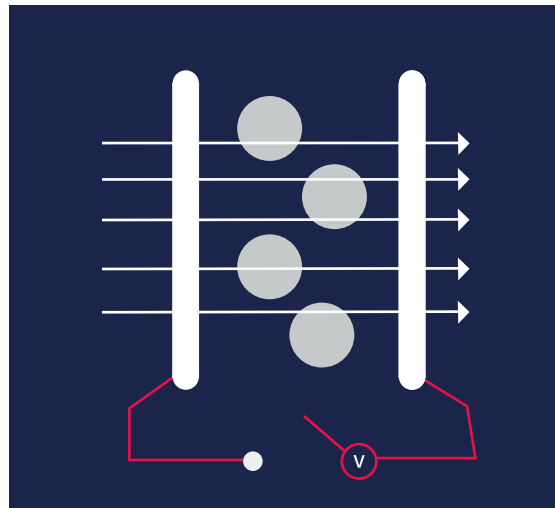
Glass Buildup



Power Off



Power On



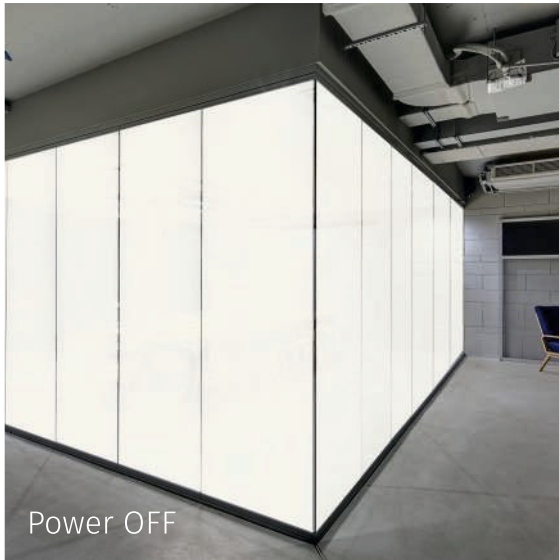
When the power is off the liquid crystal molecules are randomly oriented, scattering incidental light. This renders the Privacy Glass panel opaque.



When electric current is applied the liquid crystal molecules line up and the incidental light passes through, making the Privacy Glass panel clear.

SWITCHVIEW in action

Office Partitions



Projection Screen



The **SWITCHVIEW** specifications

Size	Up to 1,800mm x 3,500mm – is the largest size available
Thickness	From 9.52mm to multi-layer laminates
Colour	Customizable to meet the architect's needs by using a variety of tinted glass or colour interlayers.
Switching Time	On - Off : 100 ms Off - On : 2 ms
Electrical	Operating Voltage: 50VAC Power: 5 watts per square metre Current: 70 A/m ² Frequency: 50 - 60 Hz
Environmental	Storage: -5 degree C to 50 degree C Operation: -5 degree C to 60degree C
Aesthetics	Any design or texture can be provided to create bespoke views by fritting or sand blasting
Configuration	Annealed / heat-strengthened, tempered / laminated form; can also be combined into an insulated glass unit for better energy efficiency
Optical	Visible light: On - 80%, Off - 2% UV Block: 99%
Acoustic	Standard 13.52mm SWITCHVIEW - 37dB (Rw)
Energy Efficiency	Can be manufactured as an insulated glass unit and configured to achieve local energy code requirements.

Lowers TCO (Total Cost of Ownership)

A hallmark feature of this product is that its ability to turn from transparent to translucent at any time eliminates the need for blinds and curtains.

With **SWITCHVIEW** glass panels, there is no need to install an independent system of blinds, have a team of people to clean them or allocate resources for fixing and repairing over time due to wear and tear.

Multipurpose functionality

SWITCHVIEW panels can be used as projection screens or whiteboard, making presentations and video screenings more convenient than ever. This capability improves the aesthetic appeal of any room because there is no need for independent screens or whiteboard units. In this way, **SWITCHVIEW** can be a key driver in maintaining a clean, minimalistic and fuss-free space.

FUTURE | GLAZING



SWITCHVIEW Glazing system

As a complete solution provider, Future Glazing understands, unlike standard laminated glass **SWITCHVIEW** is susceptible to damage and has to be handled with extreme care. FUTURE Glazing has an experienced team of installers/electricians that ensure the product is glazed seamlessly into the structure maintaining high-quality standards and overall aesthetics.

The **SWITCHVIEW** expertise

Careful handling of **SWITCHVIEW** to avoid damage to electronic/ glass

Configuration of power rating as per specifications

Integration of bus bar and cables in framing system

Housing edges of the glass precisely in the framing system

Compatibility of silicon and other material with interlayer

Connectivity with control devices and radio transmitters

Post-installation troubleshooting and maintenance

SWITCHVIEW in curved form



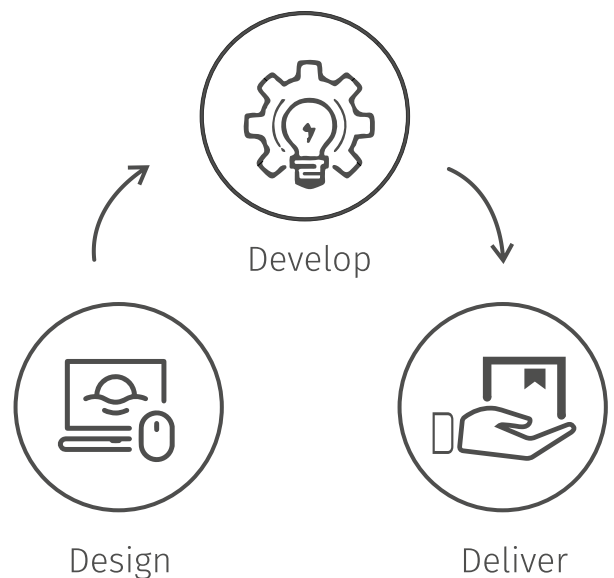
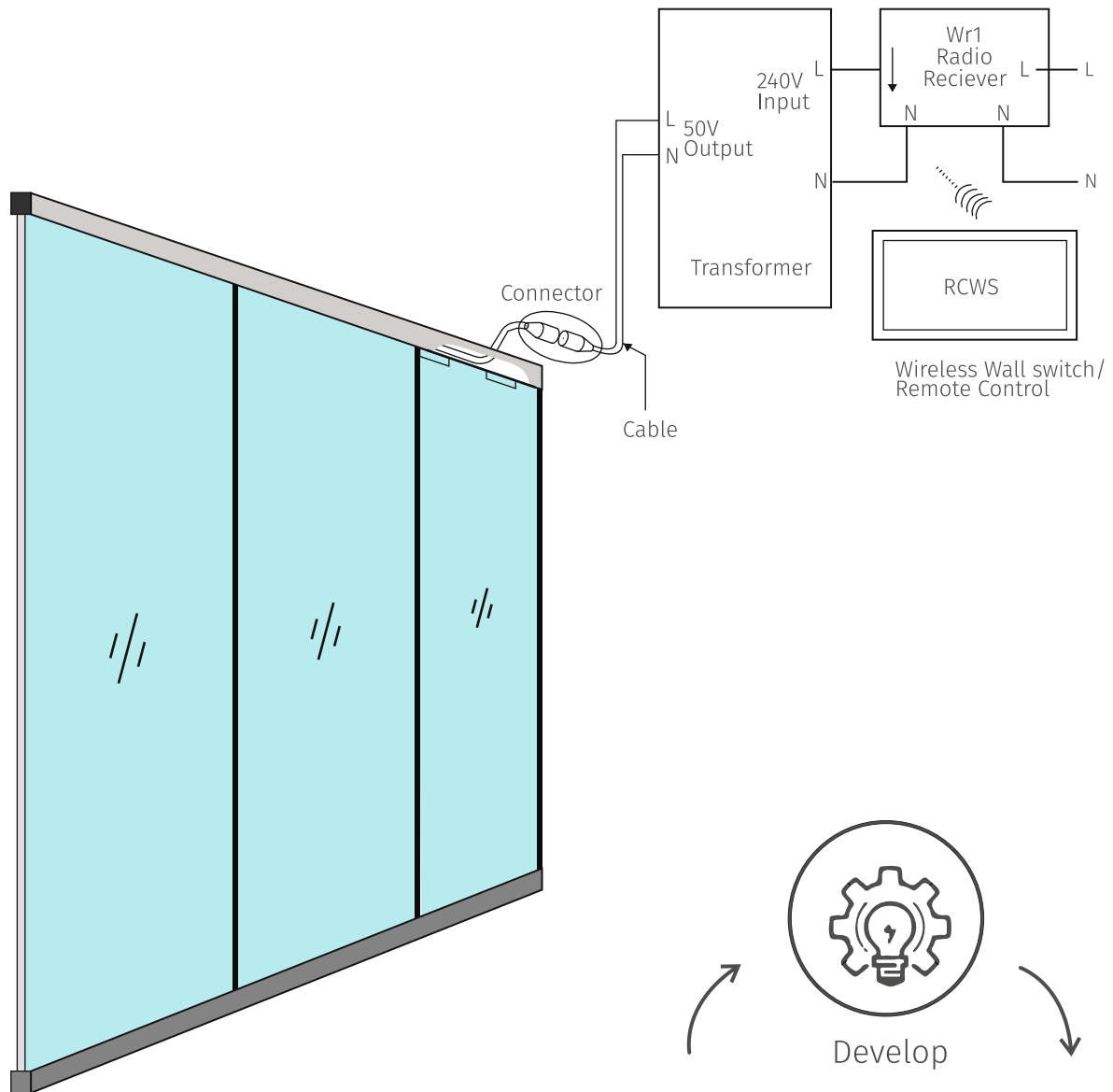
Power OFF



Power ON

SWITCHVIEW in a butt joint glazing solution application

We have an expert **SWITCHVIEW** system designed such that all the electrical connectors, cables and non-active areas on edge of the glass are hidden in a single banner. Glasses are connected in series connection and then to a transformer, which provides input to switch the glass through remote controlled signals.





Who We Are

Future Architectural Glass, LLC (Future Glass) is a joint venture between a multinational and diversified Singapore corporation and a leading Indian glass conglomerate. The company has established itself as UAE's premium glass processor having the entire gamut of European machinery and systems to process any type of interior and exterior glass.

Since 1976, the group has been serving the needs of architectural glass market by providing latest products suiting the dynamic needs of architects/consultants. We started operations as a glass trading and distribution firm and ever since have expanded our products and services to include safety glass manufacturing and providing specialty glass solutions.

In the last four decades, we have diversified into several product lines encompassing exciting exteriors glazing products, comfortable interior

glazing, specialty design applications and high performance green building product solutions. Our specialized products development unit, is dedicated to understand the changing needs of the architectural glass market and introduce innovative glass and glazing solutions for enhanced comfort, safety and performance. Spread over more than 30 countries worldwide, our strong client base is an indicator of our global reach and the trust we share with our customers.

Our ever-expanding presence with offices in UAE, India and Singapore helps us serve the varied needs of client promptly and efficiently. With multiple manufacturing bases in UAE and India, we are able to optimize resources and utilize the location advantage to the benefits of our global clientele.



Key Indicators



5

Million panels delivered worldwide

2

Manufacturing base – UAE and India

3

Regional headquarters – UAE, India, Singapore

4+

Decades Group's experience in Glass

35+

Countries exports worldwide

1000

Employees group strength

500,000

Sq.ft. area of Factory space

FUTURE

Tomorrow starts today

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VIVIDVIEW

Mesh In-Filled Glass

SPECTROVIEW

Colour Laminated Glass

DIGIVIEW

Digital Printed Glass

ONYXVIEW

Stone laminated Glass

MEDIAVIEW

Digital Media Glass

SOLERA

Real Daylighting solution

DYNAMICVIEW

Intelligent Solar Control

VISIONCONTROL

Glass with integrated blind and louvers

SOLARVIEW

Building integrated Photovoltaic Glass

CHROMVIEW

Mirror fritted Glass

OFFICE

2411 Churchill Tower, Business Bay, PO Box 117259, Dubai

☎ +971 4 346 1279 | ✉ sales@faglass.com

WORKS

P278 Al Ghail Industrial Area, Ras Al Khaimah (UAE), PO Box 86001

☎ +971 7 258 9274 | 🖨 +971 7 258 9071

www.faglass.com



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