

# FUTURE

Tomorrow starts today



**CREATIONS | DYNAMICVIEW**

## INTELLIGENT SOLAR CONTROL

FUTURE | GLASS





# DYNAMICVIEW

## Intelligent Solar Control Glazing

The most positive characteristic of glass - its clear visibility - can also become a weakness when trying to keep out the heat and glare. That's why we have introduced **DYNAMICVIEW**, an intelligent solar control glazing system, that can become tinted automatically or manually at the push of a button. It gives the convenience to electronically manage shade inside the building and effectively controls the glare. Now, you can enjoy unobstructed views and soak in natural daylight without being bothered by the glare and heat from the outdoors.

Ideal for a wide range of exterior & interior applications, **DYNAMICVIEW** is powered by cutting edge technology that eliminates the need for blinds and external shading systems. It maintains the integrity of architect's and interior decorator's vision by enabling impeccable aesthetics without compromising on a structure's functional objectives. Future Glass offers **DYNAMICVIEW** as a turnkey solution, offering design, engineering, supply and installation.



Reduces  
glare without  
impacting  
your view

# Applications

We Provide Turnkey Solutions with Complete Accountability on Warranty



Hospitals



Religious Institutions



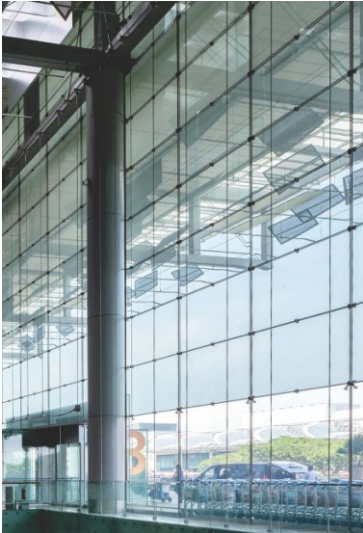
Educational Institutes



Residence



Showrooms



Airports



Hotels



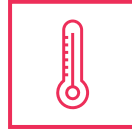
Stadiums

# Why **DYNAMICVIEW**



## **Controls Glare**

The beauty of DYNAMICVIEW is that it significantly reduces the glare of the glass without impacting your view. These glass panels intelligently control light transmission by varying tint levels to ensure that your eyes aren't irritated by the bright sunshine. Better still, you can view your computer screen without having to squint or adjust them at uncomfortable angles.



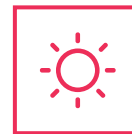
## **Reduces Heating**

DYNAMICVIEW, with its smart tinting technology, keeps heat out and the views great. The Solar Heat Gain Coefficient (SHGC) can be adjusted with corresponding tinting levels depending on the desired cooling environment. This ensures that ambient temperature stays neutral and occupants are comfortable even in rooms flooded with daylight, thus a key role in reducing lighting and air conditioning costs.



## **Health & Comfort**

Daylight is a powerful design element and enhances the visual and psychological experience. DYNAMICVIEW helps design well daylighted spaces avoiding glare & solar heat gain. In such a comfortable environment, work efficiency improves, children learn faster, retail sales increases and occupant health is improved.



## **Utilizes Natural Light**

The best form of light is natural light and its very important to utilize and take maximum possible advantage of it. Natural light coming inside changes the ambience and gives real view of the interiors. Science has proven that working in natural light is better for human eyes and health. DYNAMICVIEW is ready to bring that miracle of living in a more natural environment.



## **Saves Cost**

DYNAMICVIEW provides excellent energy efficiency that results in saving air conditioning costs. It allows natural light in, providing savings on interior lighting requirements as well.



## **No More Blinds**

We must have seen broken blinds, half opened and closed blinds, which really diminishes the aesthetics of building and doesn't look good to human eyes. With DYNAMICVIEW, there is no need to put blinds and the sunlight can be remotely controlled.



## **Saves electricity**

Being indoors doesn't mean we are protected from sun's harmful rays. By using just normal clear glass we cannot avoid ultra violet rays. DYNAMICVIEW helps save us from UV rays with its functional buildup.



## **Maintenance-free**

Dynamic view glazing is free of any mechanical components that reduces the risk of breakdowns. Technology is in-built in the IGU so regular cleaning is all that's needed to maintain the product.



### Instant Performance

DYNAMICVIEW glazing can be programmed to achieve instantaneous switching at the blink of an eye so the occupants always enjoy the wellbeing of a comfortable environment inside.



### UV Protection

Being indoors doesn't mean we are protected from sun's harmful rays. By using just normal clear glass we cannot avoid ultra violet rays. DYNAMICVIEW helps save us from UV rays with its functional buildup.



### Design, Develop, Deliver

Design, Develop, Deliver: Future glass provides a turn key solution for Dynamic glass solutions. Our expert team provides complete design & engineering service. Coupled with our experienced specialty glass installation team, Future Glazing, can ensure an efficiently working system.



# FUTURE | GLAZING





# DYNAMICVIEW

## Glazing Options

### Liquid Crystal Technology

A thin layer of liquid crystals is laminated between 2 glass panels. When voltage is passed, the liquid crystals change orientation and regulate the amount of light and heat passing through.

### Electrochromic Glazing

An electrochromic configuration, formed as a coating or an interlayer, is laminated between 2 panels of glass. When voltage passes through the ions, panel changes its tint from bright state to dark state.

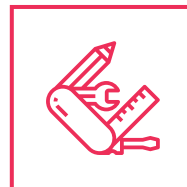
### Thermochromic Glazing

Thermochromic glass has elements embedded inside a PVB laminate that change tint according to outside heat. It is the most simple and economic solution.



### Lowers TCO (Total Cost of Ownership)

A hallmark feature of **DYNAMICVIEW** is its ability to adjust tinting levels eliminates the need for expensive mechanical shading systems. 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 the blinds over time due to wear and tear.



### Multipurpose Functionality

**DYNAMICVIEW** is available with various types of controls, shapes, sizes and a wide range of tints that can either respond automatically to the ambient light & environment or be manually adjusted with a dimmer switch. Every **DYNAMICVIEW** pane is connected to a control unit via a cable. A modern interface in the operating device enables automatic and stepless control using light sensors, with a PC or via a bus system in the building technology.

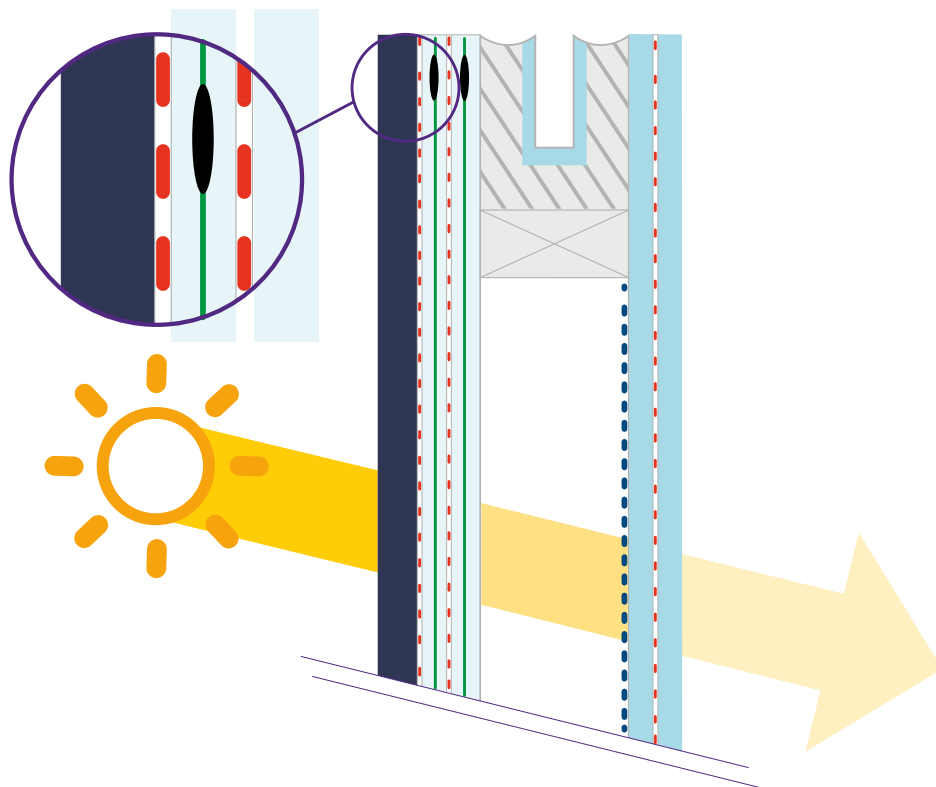
# FUTURE | GLAZING



# DYNAMICVIEW

## Liquid Crystal Technology

Typical Insulated glass



■ Cover sheet 4-10mm heat strengthened glass

- - - PVB interlayer

■ eyerise cells 17, 52 mm

□ Cavity gas or air filled

⋯ Loe-E coating

■ Inner glass

■ Toggle fixing (optional)

■ Glue line

■ Liquid Crystal layer

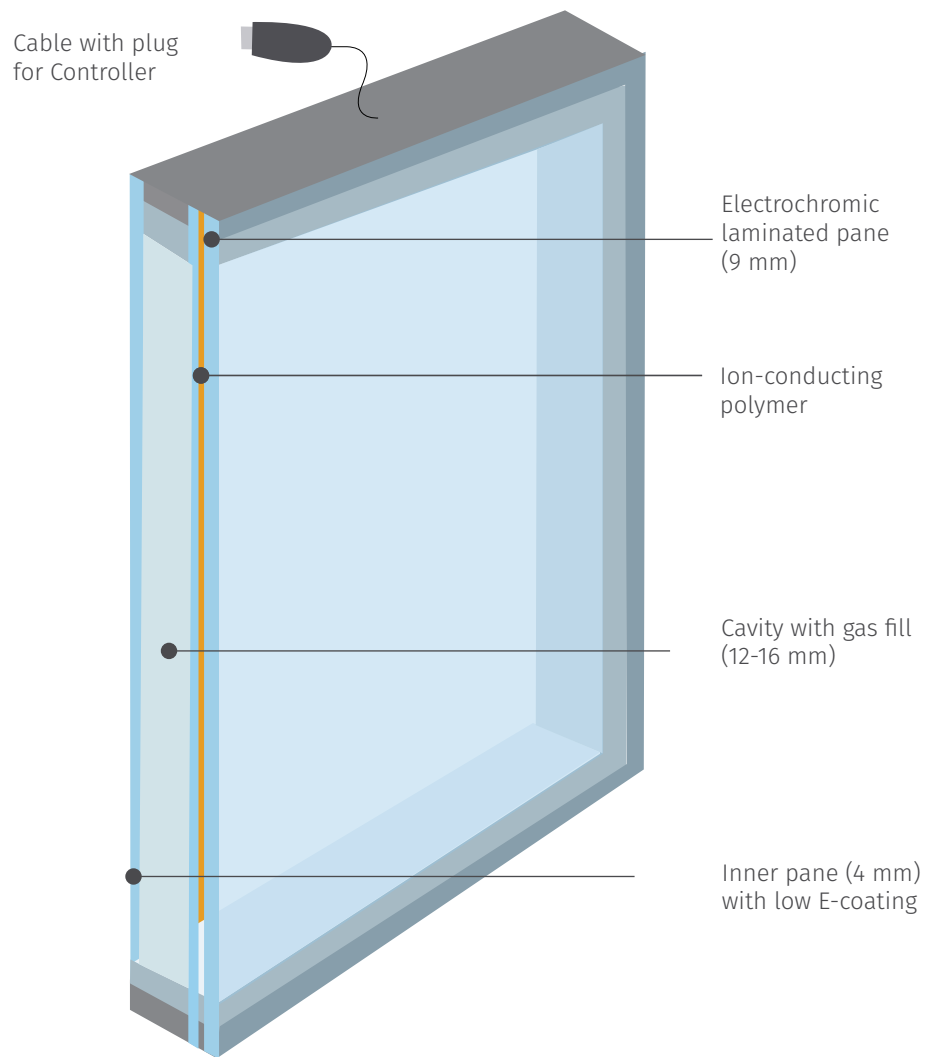
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# DYNAMICVIEW

## Electrochromic Glazing

Typical Electrochromic Glazing Pane



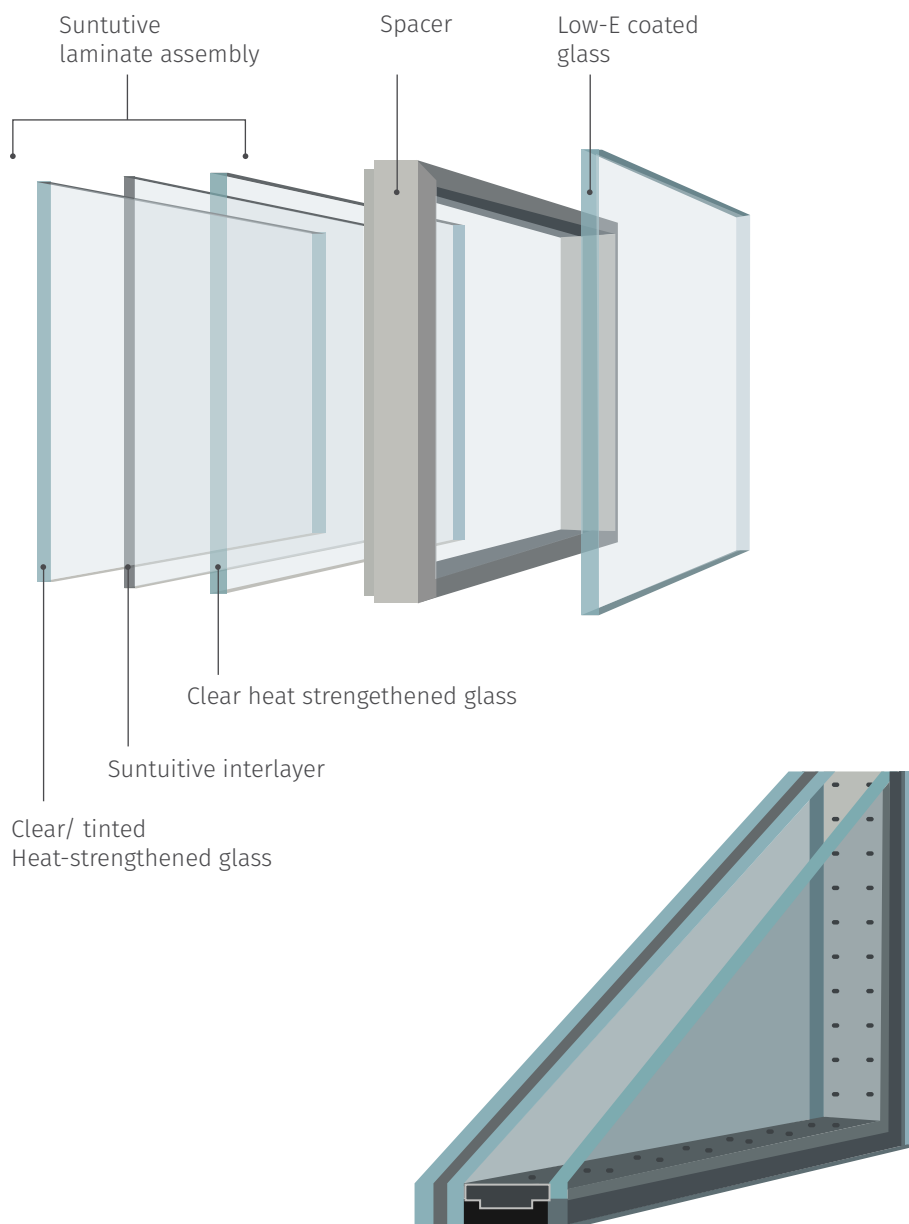
**FUTURE** | GLAZING



# DYNAMICVIEW

## Thermochromic Glazing

Typical Vertical Construction



# DYNAMICVIEW Glazing System

Unlike standard IGU, **DYNAMICVIEW** has to be handled with extreme care. Its susceptibility to damage during handling is greater than a standard IGU glass. To ensure that the product is glazed maintaining high quality standards, it is important that it's handled by an experienced team from design till installation.

## The **DYNAMICVIEW** expertise

- Careful handling of **DYNAMICVIEW** 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

	Electrochromic	Liquid Crystal	Thermochromic
<b>U-Value</b>	1.1 W/m2k	1.1 W/m2k	1.1 W/m2k
<b>VLT- Range (varies based on setup)</b>	60%	40%	45%
<b>SHGC Range (varies based on setup)</b>	0.38	0.19	-
<b>CRI (Colour rendering index)</b>	-	39- 60	-
<b>Max. Size</b>	-	1600x3500	-
<b>Switching Speed</b>	3 min	1 Second	-
<b>Colors</b>	Neutral, Blue	Neutral, Any color	-
<b>Shapes</b>	Restricted shapes	Any shape is possible	Any shape is possible
<b>Processes</b>	Temper, laminate, IGU	Temper, laminate, IGU	Curve,temper, laminate, IGU

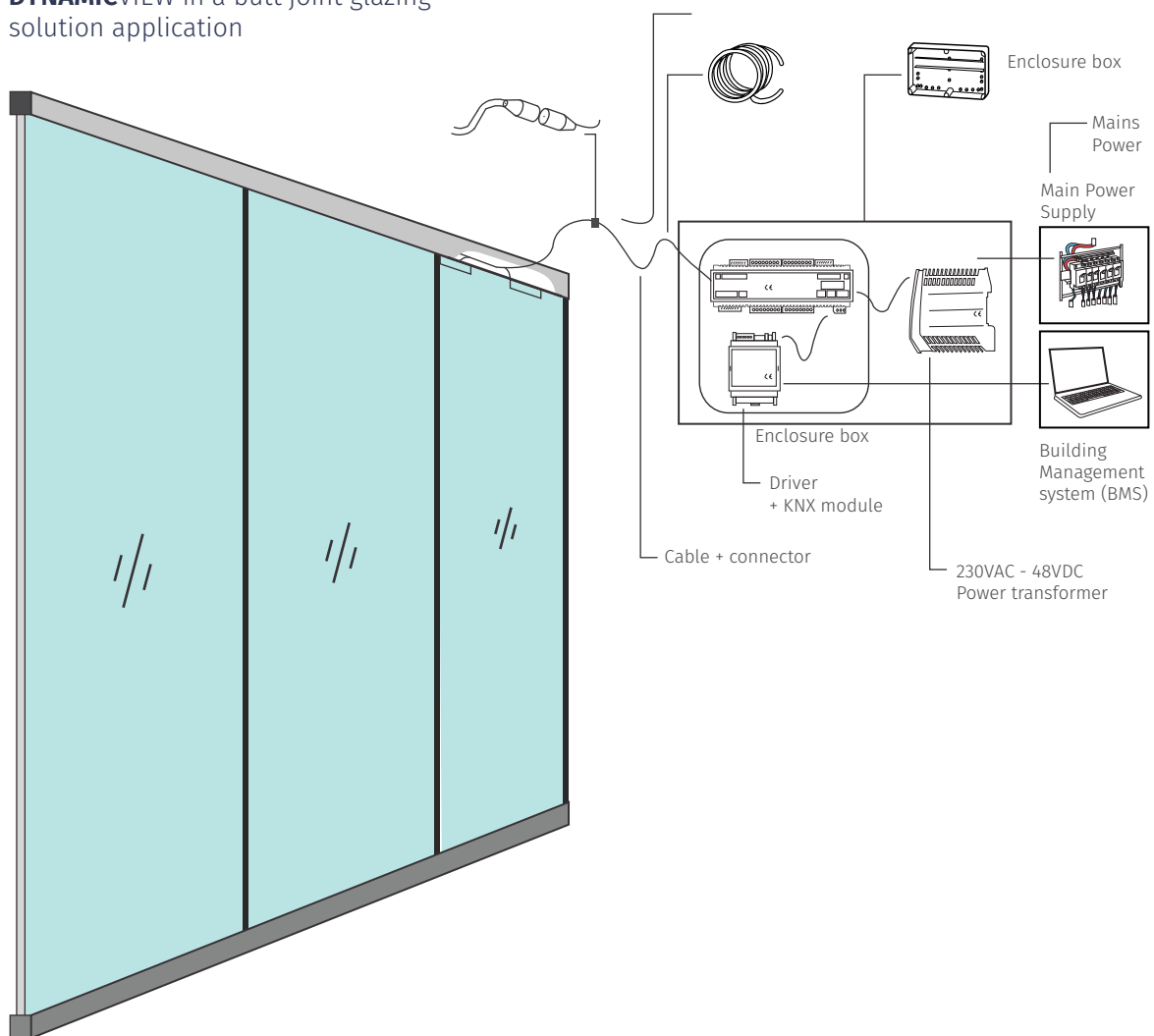
**Configuration of all glazing systems:** 23.04mm/16mm argon/6mm with low E



# DYNAMICVIEW In A Series Connection

The system is designed such that all the electrical connectors, cables and non active areas on edge of the glass are hidden in the frame. Glasses are connected in series connection and then to a driver module which is powered through a transformer. Input is provided manually through a dimmer switch /Casambi device or automatically via a Building management system (BMS). System can be designed to control each panel individually or in groups.

## DYNAMICVIEW in a butt joint glazing solution application



# 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/consultant. 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 products 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

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## Other Creation Products:

### VIVIDVIEW

Mesh in-filled glass

### SOLERA

Imagery in laminated glass

### SPECTROVIEW

Colour laminated glass

### VISIONCONTROL

Expressions In Glass

### SWITCHVIEW

Smart privacy glass

### DIGIVIEW

Digitally Painted glass

### TIMBERVIEW

Wood embedded in glass

### SOLARVIEW

Photovoltaic glass

### ONYXVIEW

Onyx laminated glass

### CHROMVIEW

Laminated units with interlayers

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