



INTELLIGENT GLASS®

Why Choose Us?

Company Overview



# The Pro Display® Group

**PRODISPLAY**<sup>®</sup>  
AV & digital signage solutions

*“Pro Display manufactures an innovative range of AV & Digital Signage solutions designed to advertise, inform and entertain”*

 **INTELLIGENT GLASS**<sup>®</sup>  
Switchable smart glass technology

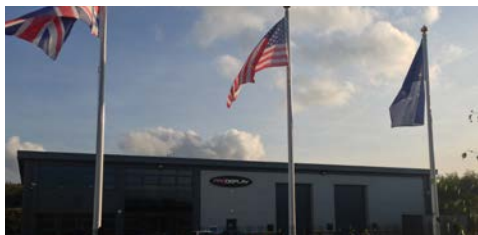
*“Intelligent Glass manufactures the widest range of switchable glass and film solutions, designed for commercial and residential applications”*

**intouch**<sup>™</sup>  
Touch screen technologies

*“intouch brings you the future of multi-touch today, with a range of solutions designed for new installations and retrofit applications”*

## Did you know?

Pro Display products are also sold all over the world having exported to over 130 countries!



## Get in touch

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☎ +44(0) 1226 361 306  
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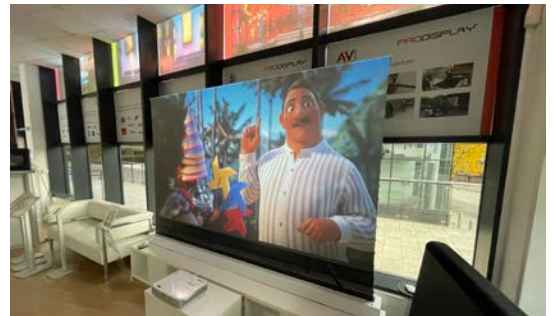


**infoComm**





## The **SCREENGALLERY**



## Technology You Can Experience

*"Experience the visual wonder of Pro Display, feel the magic of intouch and control the power of Intelligent Glass."*

Our Screen Gallery in Wakefield provides you with an opportunity to share in our vision and see some of the most advanced screen technologies the world has to offer. Conveniently located directly opposite Wakefield Westgate train station, you can easily get to The Screen Gallery using a variety of transportation methods, direct from London Kings Cross and Manchester Airport. Visits are by appointment only, so if you would like to see the technological marvels we have to offer, please enquire today.

### Did you know?

The Screen Gallery is also available for hire for private partner events. Please get in touch if you would like to know more.

# About Intelligent Glass®



## History

For over 20 years, Intelligent Glass has been developing its own range of patented switchable smart glass technology and is renowned as a leading global manufacturer of smart glass products and solutions.

As a British manufacturer dedicated to quality and reliability, the products manufactured by Intelligent Glass are the most comprehensive range of smart glass solutions in the industry. They are designed to offer instant and controllable privacy using switchable smart glass. Based on the latest polymer dispersed liquid crystal (PDLC) technology, switchable smart glass operates using a simple ON-OFF system, switching the glass from frosted to clear at the press of a button or voice command, acting as a remote 'blind' that assists with privacy, security, energy concerns and style. Intelligent Glass also offers a proprietary self-adhesive switchable film that can be retrofitted to existing windows and partitions, making this technology even more versatile and accessible.

The applications for switchable technology grow each day, and Intelligent Glass has had the pleasure of being a part of some of the most creative and exciting installations the industry has ever seen. From award winning architecture projects, to unveiling the world's most luxurious cars, we have seen switchable technology work well in an extremely wide range of environments, including but not limited to homes, hotels, offices, healthcare, retail, hospitality and much more. Even the creative uses of this technology is constantly being expanded. Switchable glass technology offers users a functional high definition projection screen, as well as having sound insulating, fire rated and coloured specialist options available. Intelligent Glass manufacture only high quality products with proven longevity and the most cost-effective products in the industry.



## Innovation

### Did you know?

In order to maintain the strictest quality checks put in place by Intelligent Glass, every piece of switchable glass is manufactured in a 'Clean Room' environment and rigorously tested before dispatch.

Since 2004, Intelligent Glass has been refining and perfecting the switchable technology range we have to offer. Our Research & Development team have helped to develop both existing and new technologies, from improving our manufacturing processes, to creating innovative products such as *Self-Adhesive Switchable Film* and *Battery Powered Switchable Vision Panels*. Since 2013 Intelligent Glass has held the patent which protects its manufacturing processes - no one else can make switchable smart glass like Intelligent Glass - maybe that is why even installations from 2004 are still in operation to this very day! Our dedication to continuous improvement reflects the care we take over the manufacture of each and every product we supply.

# About Intelligent Glass®

## Our Products

Intelligent Glass manufactures and supplies one of the widest ranges of switchable glass & film products to the trade, with a guarantee of quality, reliability and optical clarity that's over 20 years in the making. Intelligent Glass offers a complete and unique range of switchable solutions, including specialist and bespoke products for your requirements.

Our range of switchable smart products includes:

### SINGLE-GLAZED SWITCHABLE GLASS

Single glazed switchable glass tends to be our most popular option worldwide, offering a cost effective solution where the liquid crystal switchable layer is coated down directly onto the glass surface. This glass is ideal for both privacy and projection applications where multiple panels can be joined together to create a large format video wall solution.

### LAMINATED SWITCHABLE GLASS

Laminate switchable glass is where the switchable layer is bonded between two sheets of glass, which makes it a safer option for both high traffic areas and wet areas e.g. bathrooms, hospitals, clean rooms etc. This durable solid state technology replaces the need for old fashioned blinds or curtains offering greater control and comfort within any room.

### DOUBLE / TRIPLE GLAZED SWITCHABLE GLASS

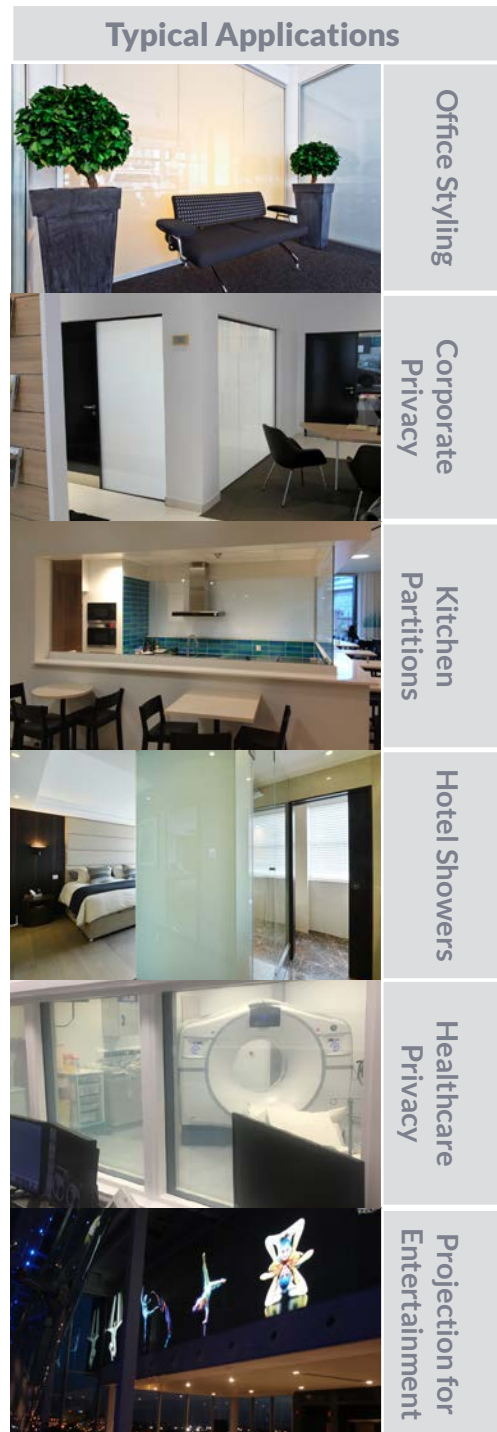
Double / triple glazed switchable glass utilises a warm edge spacer bar with an argon filled air gap in between to offer greater insulation and performance. Depending upon the customer requirements we offer a variety of glass options e.g. low iron, low E coatings to provide the most efficient DGU/IGU panels on the market today.

### SELF-ADHESIVE SWITCHABLE FILM

Self adhesive switchable film is designed specifically to retrofit to existing glass or other transparent surfaces, it provides a simple and cost effective alternative to other switchable smart glass technologies. It is manufactured with a self-adhesive cling layer on one side (peel and stick) which makes it easy to apply to both new and existing glass (no specialist installation equipment required). This film is ideal for both privacy and projection applications where multiple panels can be joined together to create a large format video wall solution.

### VISION PANEL DOOR SYSTEM

Vision panel door systems are the very latest innovation from Intelligent Glass, allowing discreet visibility into (or out of) a room at the push of a button. Powered by a replaceable AA battery pack, concealed within the door, our switchable vision panels work independently of mains power. This gives excellent flexibility and little to no disruption during installation.



Privacy on demand



Shading - reduced glare



Clinically clean



Save on heating & cooling



Feel good technology



Environmentally friendly



UV protection



Added safety & security



Vandal resistant layer



HD projection surface



# About Intelligent Glass®

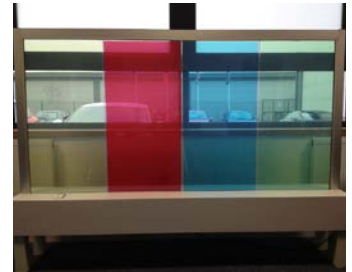
## Specialist Products

Intelligent Glass works with a range of partners to offer you our specialist range of switchable technology. This ever-expanding array of products are developed by our Research & Development team and supplies the highest level of quality and compliance whilst meeting your needs.

Our specialist range of switchable smart products includes:

### COLOURED SWITCHABLE GLASS

*Intelligent Glass has developed a number of manufacturing processes to add colour to switchable glass, including laminating with a colour resin or applying special transparent coloured films, creating a tinted smart glass perfect for privacy, partitioning or projection.*



### SOUND INSULATING / ACOUSTIC SWITCHABLE GLASS

*For environments that necessitate audio privacy, this technology provides you with the ability to provide sound insulation without having to compromise on visual privacy, style or effect.*



### FIRE RATED / FIRE RESISTANT SWITCHABLE GLASS

*Fire resistant switchable glass will help you meet fire safety regulations whilst maintaining the stylish and modern environment you are looking to achieve.*

*We collaborate with **Pyroguard** for this product, adding switchable capability to their fire safety glass. For more information about Pyroguard and their products, you can check out their website by visiting [www.pyroguard.eu](http://www.pyroguard.eu).*



## Did you know?

- Intelligent Glass have an in-house shipping and crating department. All orders are shipped in a bespoke custom-made crate, maintaining the quality and integrity of products in transit.
- Intelligent Glass customers are still using the same panels 15 years after installation.
- Our unique patented production techniques mean we can design and develop customised solutions to take your ideas from concept through to final production.
- Intelligent Glass only use the highest quality materials in their production process.

# About Intelligent Glass®

## Specialist Applications

Switchable glass is an extremely versatile technology, being able to be used in an endless variety of applications. Our experienced team are lucky enough to have been involved in some of the most creative and innovative applications of switchable glass possible, everything from switchable glass stairs, to switchable glass product displays. Perfect for unveiling, privacy or even projection, there are so many uses for switchable glass that you may not have even thought of. Our products have been used in many movies and TV productions including Prometheus and Grand Designs.



### SWITCHABLE GLASS FLOORS

Keeping the floor frosted and unveiling what is underneath by switching its state to clear, your attraction can have maximum impact. This application has all kinds of benefits, from utilising off-limit areas that visitors would not be able to see normally, to protecting some of your most valuable artefacts, you are given greater control over the visual delivery of your attractions.



### SWITCHABLE GLASS STAIRS

This application sees switchable technology combined with glass steps. Integrated with an automated control system, this application can be set to switch on each step as the user climbs the stairs, or even switching in its entirety as the user approaches the staircase. The stairs can change back to transparent as the user walks away. With privacy as less of a concern for this application, you can get really creative with the uses of switchable technology using projections and control systems.



### SWITCHABLE HD PROJECTION SCREEN (INTERACTIVE)

Switchable smart glass is the ideal solution for anyone looking for a discreet yet powerful projection solution. When frosted, this technology doubles in function as a privacy screen, enabling well placed installations to function as partitions or even a solution for venues which require a private area. This product can also be granted multi-touch interactivity, making it suited for collaborative work or presentation based applications.



### PRIVACY PODS

Combining the best of our privacy options in one bespoke project can offer one of the best privacy solutions on the market. Rooms such as these, or 'Privacy Rooms' are becoming increasingly popular within educational institutions, offices and airports across the world, offering users the chance to study, work or even sleep in the height of privacy.

## Did you know?

- Many Intelligent Glass products can be integrated with automated control systems, furniture, product displays and even infrared touch frames to give them touch capability.
- Intelligent Glass owns the patent for its manufacturing processes in the production of smart glass.
- Number one supplier to the world's leading brands.
- Manufacturing smart glass solutions for over 20 years.
- Made in Britain.
- Tested to meet industry standards and CE approval.
- Manufactured and sold over 35,000 square metres of Smart Glass and Smart Film worldwide.

# About Intelligent Glass®



## CONSERVATORIES

Sunrooms are a great addition to any property but can often cause issues with glare and overheating. Switchable glass conservatories can assist in both areas. Our switchable film can be retrofitted to existing glazing or the glass can be replaced with switchable double glazing to stop the glare on a bright day and reduce solar gain by up to 30%.



## HEALTHCARE PRIVACY SCREEN

Privacy requirements are extremely important in the health care industry. Typical privacy solutions such as privacy curtains create issues in that they can be difficult and labour intensive to clean or change. Our switchable privacy glass is easy to clean- simply wipe it down to ensure a more hygienic alternative to those germ-covered curtains and blinds.



## PRODUCT DISPLAYS

Building switchable glass into display cabinets or product display boxes gives you greater control over how your products are seen, using it to draw attention to particular products, whilst keeping others hidden. Easily modify your display to work in conjunction with your merchandising campaign; alternating product focus throughout the day or over a set period, saving your staff precious time in display arrangement, as well as helping to generate unprecedented interest amongst your customers.



## HOME IMPROVEMENT

Switchable Glass in homes is becoming an increasingly sought after innovation, especially as more people are looking to renovate, extend and improve their current homes as an alternative to moving out. Our glass boasts minimalist styling that's sure to wow, with excellent insulating properties against heat loss, UV light and sound transmission, our range takes energy performance seriously with double glazed switchable glass that offers warm edge spacers, low E, low iron, and an argon filling.

## Did you know?

- You can visit our showroom The Screen Gallery where all our smart glass solutions are on display. See in person the outstanding quality of our products - re-assurance is paramount, as some cheaper inferior products try to enter the market from time to time. Don't get caught out.
- Intelligent Glass is part of the Pro Display Group - a recognised global manufacturer you can trust. Always remember to credit-check your supplier - you want them to exist for at least as long as their warranties.



# About Intelligent Glass®

## High Profile Projects



### LAUNCH OF THE ROLLS ROYCE DAWN AT HARRODS

Self-adhesive switchable smart film from Intelligent Glass featured in the high-profile reveal of the new Rolls Royce Dawn Drophead Coupé. Creative agency JUSTSO covered the windows of Harrods London, one of the most exclusive advertising spaces in the world, with switchable smart film to create a very special launch experience.

"We actively explore the most innovative solutions to push the boundaries of what we deliver to clients. During the product research we put substrate options through rigorous testing before we finally decided on the switchable smart film." - Stuart Henry, Managing Director at JUSTSO

Harrods



### NUMBER 23- THE AWARD WINNING HOME

Number 23 is a multi award-winning family house constructed on a vacant end-of-terrace site in West London. Intelligent Glass's switchable smart glass technology brings light into every room in the house, whilst providing instant privacy whenever it's needed. At night time, with the internal lights on and the switchable panels in a frosted state, a warm diffuse glow is cast to the street outside.

"Our switchable glass technology ticks many boxes for architects and designers, allowing windows to play new architectural roles that are both visually striking and practical."

- Jamie Conroy, Intelligent Glass Sales Manager



# About Intelligent Glass®



## DC THOMSON'S WINDOWS LOOK 'DANDY'

*This genius application of our switchable film sees its great features used to maximum effect. By installing switchable film in the front-facing windows on all 4 of the building's floors, DC Thomson's windows are transformed into a giant panel-effect rear projection screen that also offers an excellent privacy solution at the press of a button.*

*Synchronising animations across the panels rather than treating each screen as an isolated screen helps to bring the cartoon animations to life, invoking a strong sense of intrigue and wonder.*



## MERCEDES WORLD

*Mercedes saw the creative impact that switchable technology can have by building it into their purchasing journey. Upon a customer's collection of a new car, they place it behind the switchable glass wall, revealing it to them using the switchable control system on approach. Customers are not only wowed by the visual impact of their car, but also by the glass changing state before their eyes, making for a truly memorable experience.*

*"Projects such as this are fantastic to be involved with. Knowing that our product has played a part in the customer experience of purchasing a Mercedes car is a big honour and is very exciting."* - Ben Kershaw, Pro Display Sales Manager



Mercedes-Benz



## Did you know?

You can see Intelligent Glass switchable technology make an appearance in the Ridley Scott sci-fi film "Prometheus" (2012), where it is featured as part of the film's hypersleep chambers.



# About Intelligent Glass®



## EXTREME MAKEOVER: HOME EDITION

A large switchable glass panel takes centre stage with this special installation, making a young boy's dream come true by transforming his bedroom into an ultra futuristic 'pad'. With the switchable wall dividing the room, it made way for the bedroom to be split into 2 parts; one side comprising of the bedroom and the other side, a 'Tron' themed games room, which feels connected when the glass is set to it's clear state. This installation functioned as a rear projection screen on both sides, allowing it be used both for viewing and gaming pleasure. To say that switchable technology 'looked the part' is an understatement, serving as the centrepiece of this sleek interior design .



## OPERA NORTH

Intelligent Glass was an exciting addition to Opera North's production of La Clemenza Di Titom, being used with a Sanyo XF47 Projector to rear project high resolution images onto a rotating backdrop. When not in use, the giant 6m x 3m screen was magically switched to clear, allowing the stage production to flow seamlessly.





# About Intelligent Glass®

Resellers and integrators have also specified our products for a wide range of brands, including the following:



## Markets

Due to the versatile nature of our products, Intelligent Glass has had the opportunity to supply switchable technology to a very wide range of industries- from education to healthcare, switchable technology can offer a solution for almost any related need. Below you will find just some of the markets we have supplied, accompanied by typical applications of our technology in these areas.



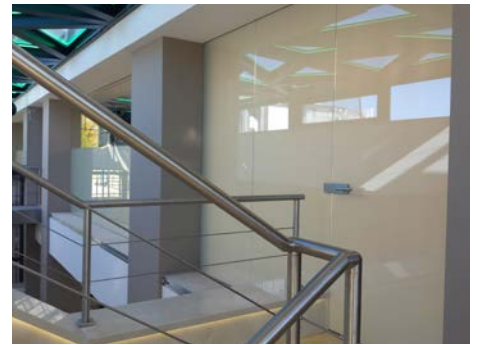
### HOSPITALITY

*Bathrooms, showers wet rooms, partitioning, windows, door privacy*



### RESIDENTIAL

*Bathroom partitions, showers, double glazed windows, door privacy*



### CORPORATE

*Partitioning, meeting room privacy, projection, boardroom privacy*



### LEISURE & ENTERTAINMENT

*Partitioning, projection, stage curtain alternative, interactive games & activities*



### HEALTHCARE

*Privacy curtain alternative, privacy rooms, privacy window, door panels*



### RETAIL

*Product displays, product launches, interactive games & activities*

# About Intelligent Glass®



## EDUCATION

*Interactive projection screens, study pods, safe spaces, sensory activities*



## HEALTH & BEAUTY

*Interior design, client privacy, projection, product displays, interactive activities*



## MERCHANDISING

*Product displays, product launches, control systems integration*



## CREATIVE

*Interactive projection screens, furniture integration, conceal / reveal, displays*



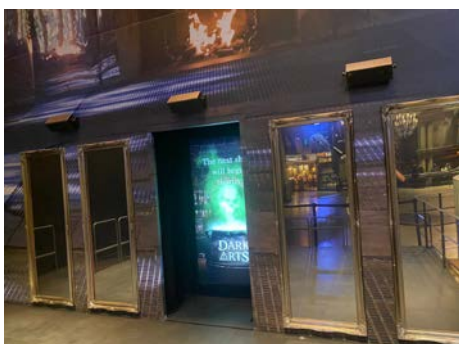
## TRANSPORTATION

*Privacy, projection, sound insulating, interactive activities*



## MANUFACTURING

*Privacy, projection, sound insulating, partitioning*



## MUSEUMS & ATTRACTIONS

*Projection, control systems integration, displays, interactive games & activities*



## BANKING / FINANCE

*Privacy, projection, sound insulating, fire safety, meeting room privacy*



## PLACES OF WORSHIP

*Projection, bathroom privacy, interactive games & activities*

# #SwitchOn to...







#SwitchOn

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