



# SMART GLASS MASTERS

ALWAYS THE BEST CHOICE



Imagine a glass that switches from clear to milky white in a click of a button remodeling an open area to a private room on call for in less than a second.



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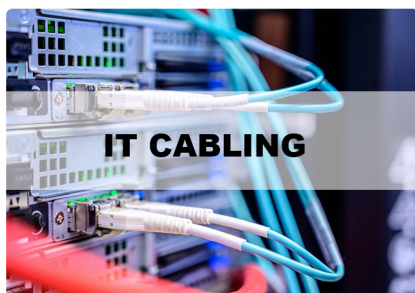
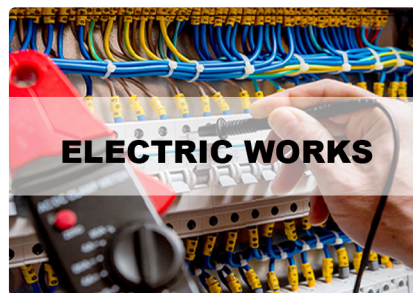
# STATEMENT OF CEO



“Our purpose is to deliver solutions that the world’s leading architects, builders, Contractors & Construction companies will trust. Inflexible quality and administration, at a competitive value. We challenge ourselves to be the UAE leader in switchable glass technology”

Muhammad Ramzan,  
CEO, Smart Glass Masters

# OUR SERVICES





# SMART PRIVACY GLASS



Smart Film, also known as Switchable Film or Privacy Film is an innovative solution for Privacy on Demand.

The Smart Film switches between transparent and opaque ('milky-white') by applying an electrical voltage. Privacy Glass is a Smart Film, laminated as a sandwich between two glasses. Our Smart Film is based on our propriety NCAP PDLC technology.

## PRODUCT ATTRIBUTES



### Space Customization :

Switch from open space to private area upon demand



### Hygienic :

Glass is anti-bacterial, easy to clean with sanitized substances in opposite to curtains and blinds.



### No Maintenance :

After installation, there's no preservation necessities.



### Increase Energy Efficiency:

Maximize natural light, lets in daylight transmission, decreasing electrical lighting fixtures fees



### UV Protection :

IR filters will keep your area cooler in summer and warmer in wintertime.



### Comfort SPACE :

IR filters will hold your space cooler in summer season and hotter in wintertime



## SMART GLASS

### TECHNICAL SPECIFICATION

	ON	OFF
Parallel Light Transmission	>89%	< 4%
Visible Light Transmission	>89%	>50%
Haze	< 4%	> 95%
Viewing Angle	≥150 degree	-
UV Blocking	≥98%	≥98%
IR Blocking	40%	90%
Operating Voltage	48-65 VAC	-
Frequency	50~60HZ	-
Current	100 mA Sq. m (0.9 mA Sq. ft)	-
Power Consumption	<5W/Sq. m (<0.46W/Sq. Ft)	-
Switching Time	< 200ms	<10ms
Total Glass Thickness	10mm, 12mm, 14mm, 22mm (3/8", 1/2", 9/16", 14/16") or customized	
Glass Structure	Triplex, IGU or customized	
Max Size	2000 by 6000mm (78.7" by 236.2")	
Color	White (Gray, Black upon MOQ)	
Working Temperature	-20°C~ 70°C (-4°F ~ 160°F)	
Storage Temperature	-20°C~ 70°C (-4°F ~ 160°F)	
Life Time	>20 Years	

# INSULATED GLASS UNIT (IGU) SMART GLASS TECHNICAL SPECIFICATION

	ON	OFF
Visible Light Transmission	>80%	>2.2%
IR Blocking	38%	93%
UV Blocking	≥96%	≥99%
Glass Thickness	23 mm or customized	

## SELF ADHESIVE TECHNICAL SPECIFICATION

	ON	OFF
Parallel Light Transmission	>89%	< 4%
Visible Light Transmission	>89%	>50%
Haze	< 5%	> 95%
Viewing Angle	≥150 degree	-
UV Blocking	≥98%	≥98%
IR Blocking	35%	90%
Operating Voltage	48-65 VAC	-
Frequency	50~60HZ	-
Current	100 mA Sq. m (0.9 mA Sq. ft)	-
Power Consumption	<5W/Sq. m (<0.46W/Sq. Ft)	-
Switching Time	< 200ms	<10ms
Max Size Interior	1800 by 6000mm (70.8" by 236.2")	
Max Size Exterior	1500 by 6000mm (59" by 236.2")	
Color	White (See other colors below)	
Working Temperature	-20°C~ 70°C (-4°F ~ 160°F)	
Storage Temperature	-20°C~ 70°C (-4°F ~ 160°F)	
Life Time	>20 Years	



# COLORED SELF ADHESIVE SMART FILM

## TECHNICAL SPECIFICATION

### LIGHT GRAY

	ON	OFF
Visible Light Transmission	>50%	>5%
IR Blocking	40%	90%
UV Blocking	≥70%	≥98%

### DARK GRAY

	ON	OFF
Visible Light Transmission	>25%	>2%
IR Blocking	66%	94%
UV Blocking	100%	100%

### BLACK

	ON	OFF
Visible Light Transmission	>10%	>0%
IR Blocking	95%	100%
UV Blocking	100%	100%

# MARKETS

Hospitality



Corporate



Healthcare



Residential



Retail



Transportation







## CORPORATE

Switch from co-operating to a personal area, in a click of a button, experience each worlds.

- Conference Room
- Meeting Room
- Showroom
- Board Room
- Glass Partition
- Presentation Room



**CONFERENCE ROOM**



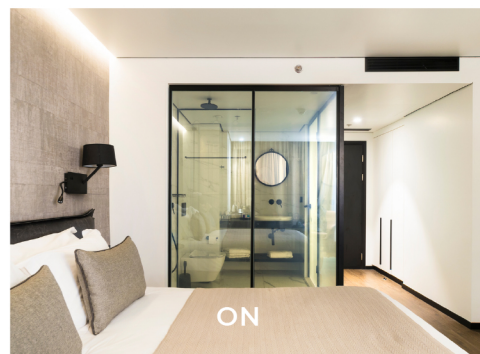
**MEETING ROOM**



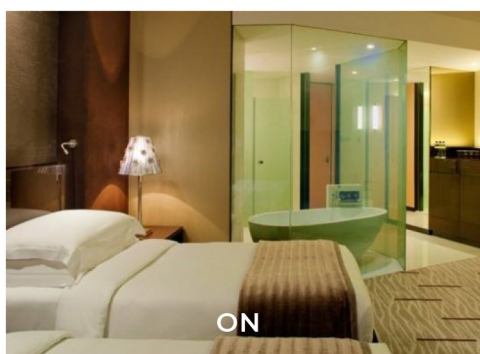
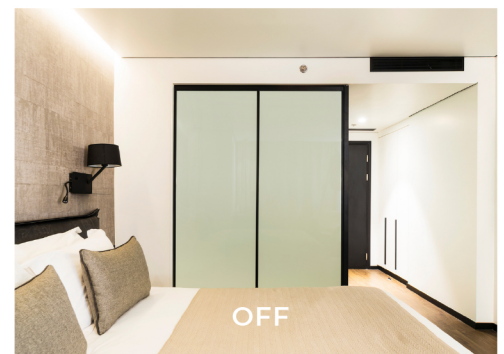
## HOSPITALITY

Enjoy the blessings of the area customization, get the most out of your own home.

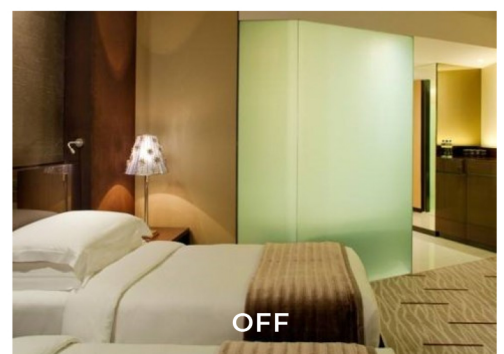
- Bedrooms Partition
- Shower Enclosure
- Bathroom Window
- Conference Room
- Rooms Divider
- Curtain Wall



**BEDROOM PARTITION**



**SHOWER ENCLOSURE**





## HEALTHCARE

The most hygienic privateness on call for an answer to your health facility, without maintenance.

- Emergency Room
- Intensive Care Unit
- Newborn
- Dialysis Room
- Triage Room
- Hospitalization Room



ON

### NEWBORN



OFF



ON

### INTENSIVE CARE UNIT



OFF



## RETAIL

Glass will ensure that everyone will talk approximately your commercial enterprise.

- Fitting Room
- Bank Teller
- ThaniToilets
- Private Room
- StoreFront
- showroom

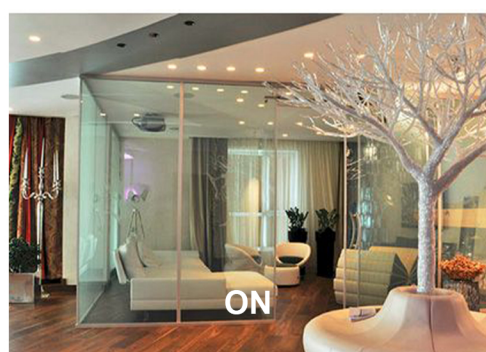


ON

### COSMETICS

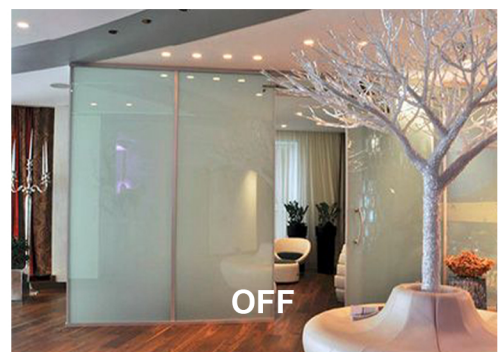


OFF



ON

### RETAIL



OFF





## RESIDENTIAL

We are right here to carry your dream house to existence with ThaniPrivacy Glass.

- Home Office
- Skylight
- Divider Window
- Bathroom Partition
- Bathroom Partition
- showroom Enclosure



**SHOWER ENCLOSURE**



**BATHROOM PARTITION**



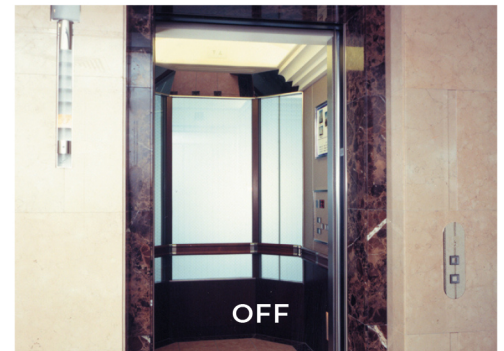
## TRANSPORTATION

Control your privacy in a digital way for a consolation journeying experience.

- Minivan Partition
- Marine Glass
- Plane window
- Elevator Glass
- Train Partition
- Caravan Window



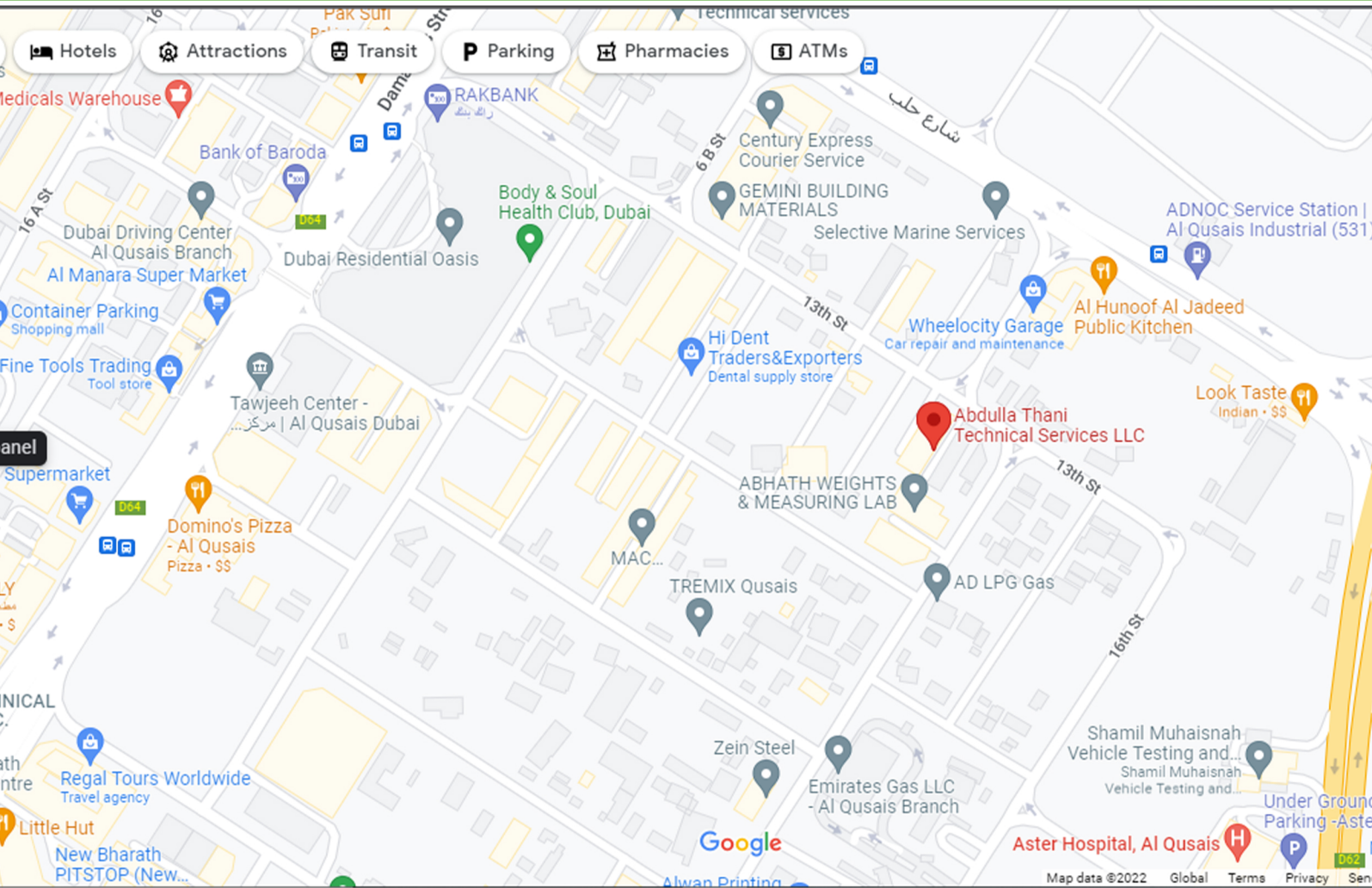
**ELEVATOR**



**TRAIN**



# CONTACT US



## LOCATIONS

### IN DUBAI U.A.E

Al Qusais Industrial Area 2 Street 13th warehouse no 8 Dubai UAE



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