

# VETROTECH DESIGN SOLUTIONS®

Fire-resistant and High-security systems with glass

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ON THE SAFE SIDE



# SWISS RELIABILITY



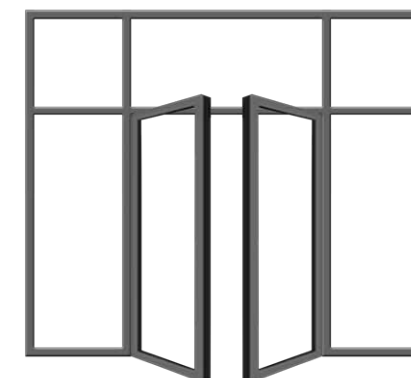
Founded in Switzerland in 1980, Vetrotech Saint-Gobain is the specialist in fire-resistant and high-security glass solutions for a wide range of applications. At Vetrotech we take life safety seriously and when it comes to people's safety: there can be no compromise.



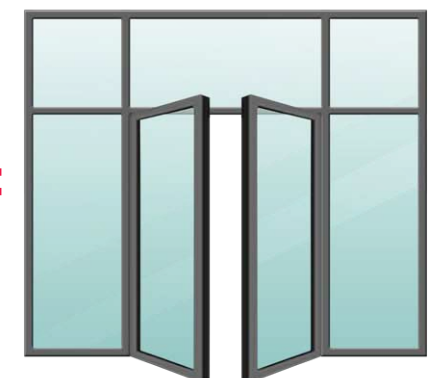
Forster Profile Systems passionately develop and produce precision steel profile systems for multifunctional applications in buildings. With roots in Switzerland all Forster profiles are manufactured in Arbon, Switzerland.



Fire-resistant &  
High-security glass



Cold-rolled steel  
frames & accesories



VDS® Fire-resistant &  
High-security system  
solution

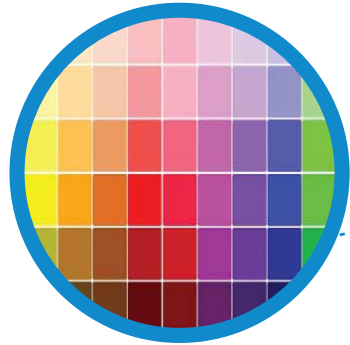
## VETROTECH DESIGN SOLUTIONS®

Discover our complete range of **FIRE-RESISTANT & HIGH-SECURITY SYSTEMS** for steel doors, partitions, and curtain wall applications.



# VETROTECH DESIGN SOLUTIONS®

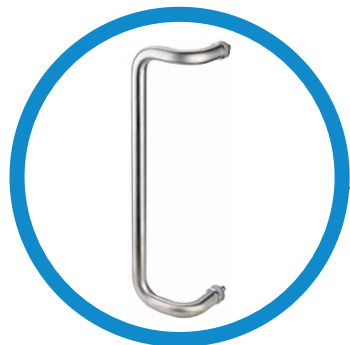
OPT FOR THE BEST **FIRE-RATED & HIGH-SECURITY SYSTEMS** AND CUSTOMIZE THEM TO SUIT YOUR NEEDS



Wide range of RAL colours to choose from



Options available with concealed door closer



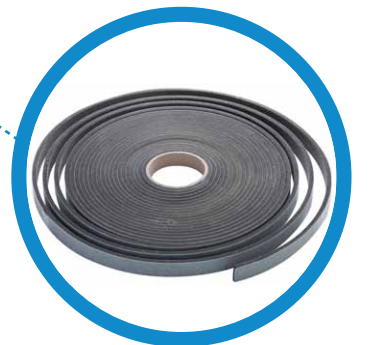
Easy access using pull handles



No visible screws with clip-on beadings



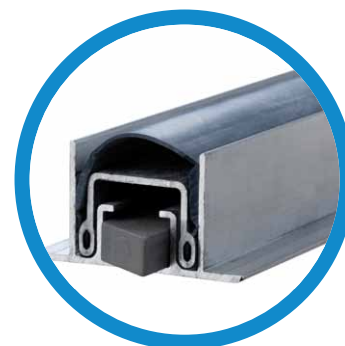
Made with sleek cold-rolled profiles



Gaps sealed with fire-rated gaskets & glazing tapes



Elegance & convenience of weld-on hinges



Contains smoke with drop-down S200 hot smoke seals



Top quality fire-rated & high-security glass to choose from



# A SOLUTION FOR EVERY APPLICATION

Here are some key locations in a building where Vetrotech Design Solutions® find application. Our broad range of applications deliver solutions for uncompromised safety, addressing any protective glazing challenge.



VETROTECH DESIGN SOLUTIONS® ARE TESTED AS PER THE MOST STRINGENT REGIONAL AND INTERNATIONAL STANDARDS.



MULTIFUNCTIONAL  
SAFETY SOLUTIONS  
FOR ALL NEEDS



HEALTHCARE



HOSPITALITY  
& LEISURE



COMMERCIAL



PUBLIC & TRANSPORT

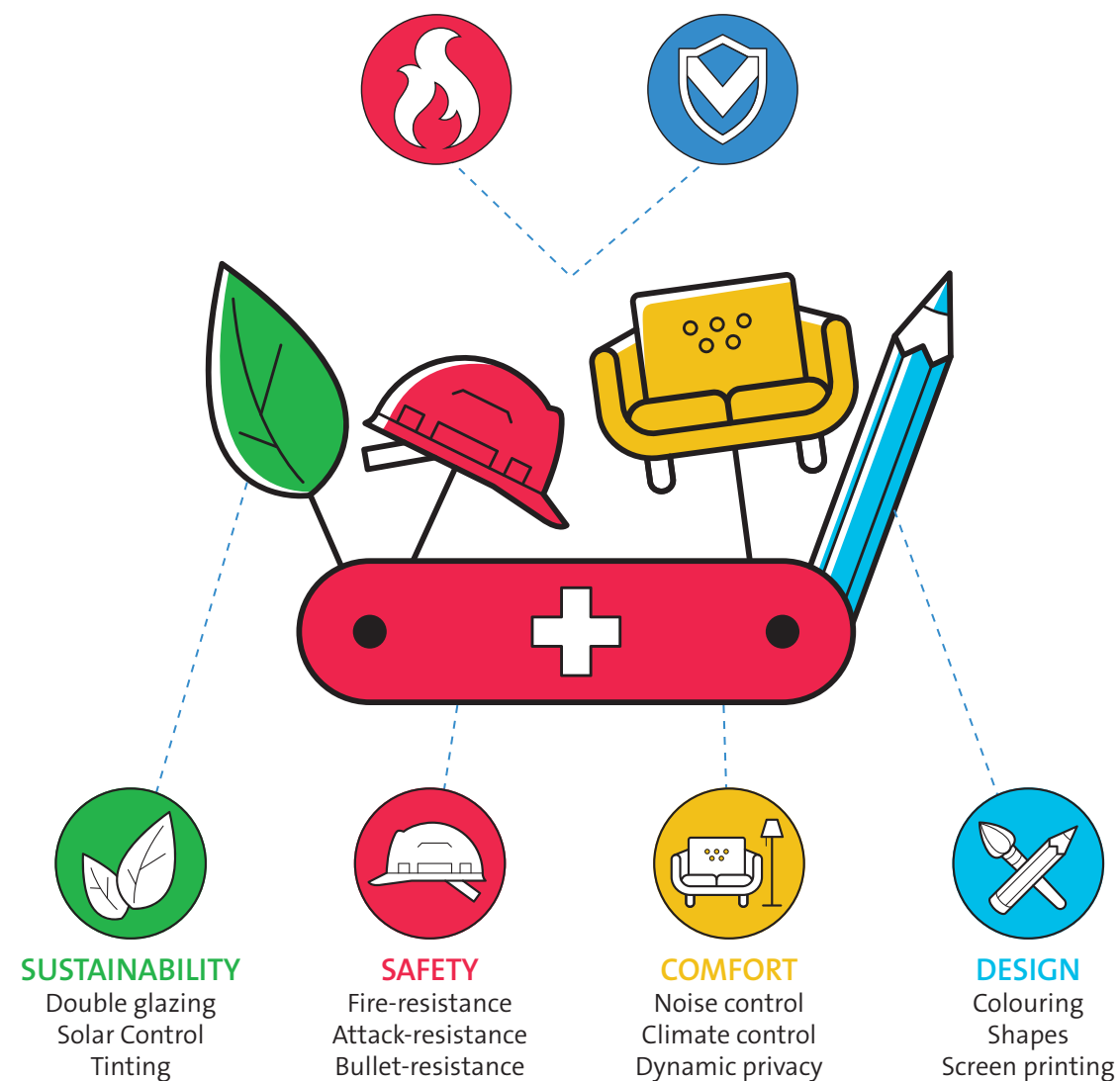


EDUCATION

SOLUTIONS  
AVAILABLE FOR  
NEW CONSTRUCTIONS &  
RETROFIT APPLICATIONS  
IN EXISTING BUILDINGS.

# MULTI FUNCTIONALITY

We at Vetrotech are dedicated to delivering solutions with industrial excellence and reliable delivery but also to making your projects as special as possible. This is why, unlike standard solutions, VDS® offers you an extensive range of added features and advantages.



## ADDED FUNCTIONALITIES

### AIR TIGHTNESS

Level 4  
(as per EN 12207)



Prevents inward and outward leakage of air

### WIND LOAD RESISTANCE

Level C4  
(as per EN 12210)



Withstands strong pressure from wind

### WATER TIGHTNESS

Level 8-a  
(as per EN 12208)



Prevents water or other fluids from getting in

### LOAD BEARING CAPACITY

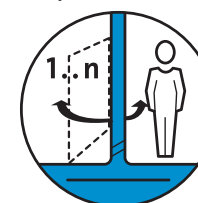
Tested  
as per EN 14351



Withstands the loads of safety devices

### DURABILITY TESTS

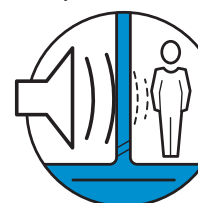
200,000 cycles  
as per EN 12400



Door sustains repeated opening & closing cycles

### SOUND REDUCTION

up to 42 dB  
(as per EN 13049)



Provides sound insulation

### IMPACT RESISTANCE

Level 5  
(as per EN 13049)



Survives high impact forces

### BULLET RESISTANCE

Tested  
as per EN 1522



Prevents the penetration of bullets

### BURGLAR RESISTANCE

Tested  
as per EN 1627



Resists the attempts at forced entry





Verified EPD's are now available for our fire-resistant glass products. Contact us for any special EPD requirements in your project.

# MADE IN INDIA. MADE FOR THE WORLD.

Vetrotech Design Solutions® range of fire-resistant and high-security systems are engineered and fabricated at the 'World Glass Complex' in Sriperumbudur, Chennai. The state-of-the-art facility also houses Vetrotech Saint-Gobain's fire-resistant and high-security glass production facility.

At Vetrotech, we are committed to promoting sustainable construction products and processes. Our vision is to grow and diversify our business, while improving our environmental footprint and increasing our contribution to people's well-being.





VDS® solutions for high-security applications are tested as per EN 1627 & EN 1522/23

Inside Vetrotech Saint-Gobain's bullet resistance test facility in Cologne, Germany

# VETROTECH DESIGN SOLUTIONS® FOR DOORS



VDS® fire-resistance solutions are tested as per most stringent regional and international standards (BS, EN, UL, NFPA)

Inside Vetrotech Saint-Gobain's fire testing laboratory in Herzogenrath, Germany.



VDS® UNLATCHED DOORS

Fire-resistant unlatched glass doors



Fire-resistant systems



VDS®ELEGANCE SERIES  
Up to EW 120 fire rating



VDS® FINNESE SERIES  
Up to EW 120 (with EI 20) fire rating



VDS® HEAT BARRIER SERIES  
Up to EI 60 fire rating

VDS® SWING DOORS

Fire-resistant & High-security glass doors



Fire-resistant systems



VDS®ELEGANCE SERIES  
Up to EW 120 fire rating



VDS® FINNESE SERIES  
Up to EW 120 (with EI 20) fire rating



VDS® HEAT BARRIER SERIES  
Up to EI 90 fire rating



High-security systems



VDS® ATTACK  
Up to RC 3 attack resistance



VDS® BULLET  
Up to FB 6 bullet resistance



## VDS® SLIDING DOORS

Fire-resistant sliding glass doors



Fire-resistant systems



VDS® ELEGANCE SERIES  
Up to EW 120 fire rating



+



VDS® FINNESE SERIES  
Up to EW 120 (with EI 30) fire rating









VDS® HEAT BARRIER SERIES  
Up to EI 90 fire rating







## HARDWARE & ACCESSORIES

VDS® range of offerings for doors comes with the compatible set of hardware and accessories which have been subjected to fire testing.

### OPTIONS FOR VDS® UNLATCHED DOORS

Handles	Locks	Flush Bolt	Smoke Seal	Tapes & Gaskets	
 Offset Handle	 D-Handle	 Single Mortise Dead Lock	 Dual action Flush Bolt	 Automatic Drop Down Seal	 Fire-rated Ceramic tapes & Gaskets

### OPTIONS FOR VDS® SWING DOORS

Handles	Locks	Flush Bolt	Smoke Seal	Tapes & Gaskets
	 			
Lever Handle	Two Point Latch Lock Three Point Latch Lock	Dual action Flush Bolt	Automatic Drop Down Seal	Fire-rated Ceramic tapes & Gaskets

### OPTIONS FOR VDS® SLIDING DOORS

Slider	Guide Rollers	Intumescent Strips	Smoke Seal	Ceramic Tapes
 Automatic fire-rated slider			 Automatic Drop Down Seal	 Fire-rated Ceramic tapes



# VETROTECH DESIGN SOLUTIONS® FOR PARTITIONS

## VDS® FIXED PARTITIONS

Fire-resistant & High-security glass partitions



### Fire-resistant systems



VDS® ELEGANCE SERIES  
Up to EW 120 fire rating



VDS® FINNESE SERIES  
Up to EW 120 (with EI 20) fire rating



VDS® HEAT BARRIER SERIES  
Up to EI 120 fire rating



### High-security systems



VDS® ATTACK  
Up to RC 3 attack resistance



VDS® BULLET  
Up to FB 6 bullet resistance



## VDS® BUTT-JOINT PARTITIONS

Fire-resistant butt-joint glass partitions



Fire-resistant systems



VDS® ELEGANCE SERIES  
Up to EW 60 fire rating



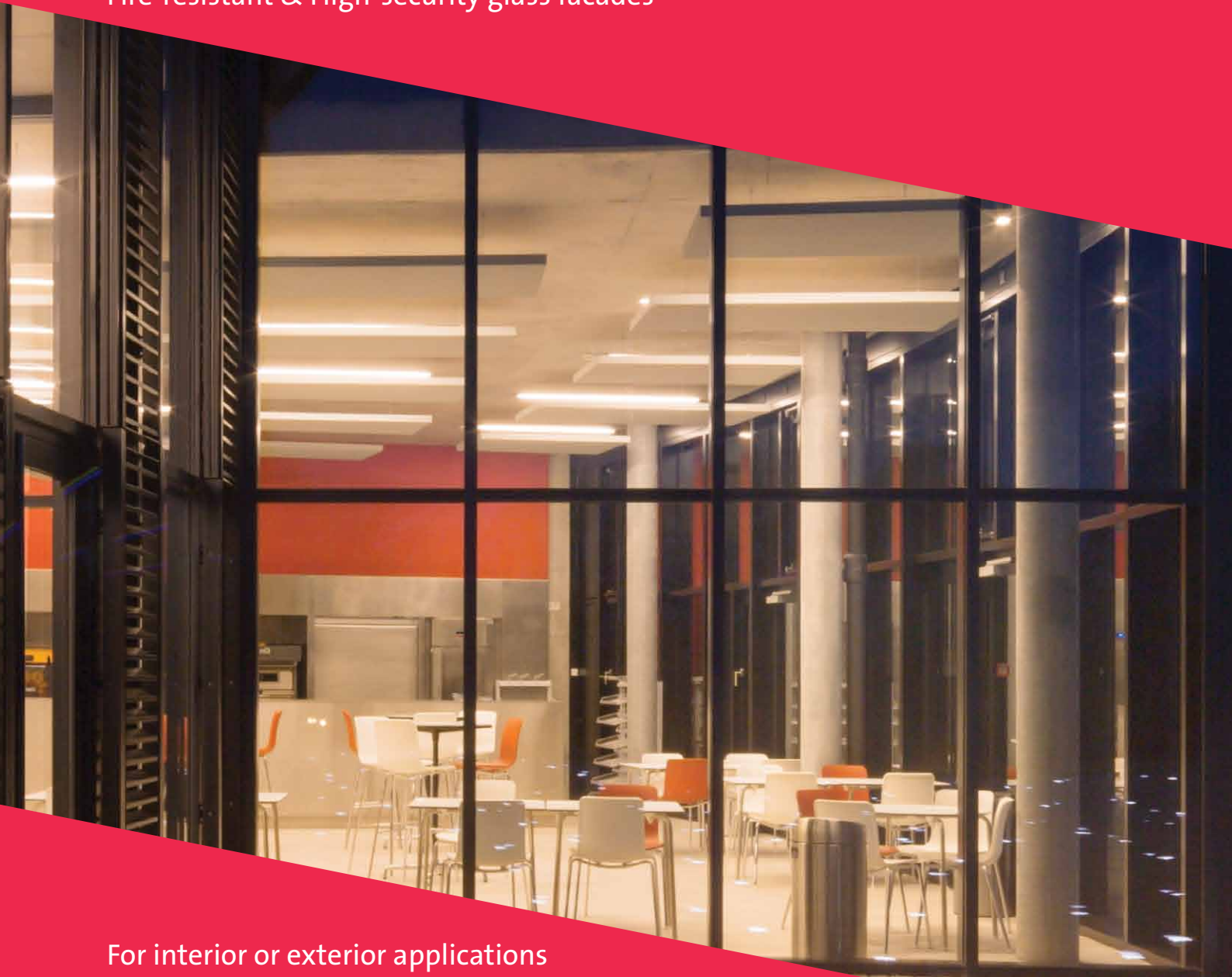
VDS® HEAT BARRIER SERIES  
Up to EI 120 fire rating

# VETROTECH DESIGN SOLUTIONS® FOR FACADE



# VDS® CURTAIN WALL SYSTEMS

Fire-resistant & High-security glass facades



For interior or exterior applications



Fire-resistant systems



VDS® ELEGANCE SERIES  
Up to EW 120 fire rating



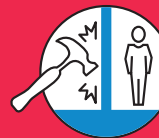
VDS® FINNESE SERIES  
Up to EW 120 (with EI 20) fire rating



VDS® HEAT BARRIER SERIES  
Up to EI 120 fire rating



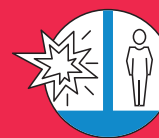
High-security systems



VDS® ATTACK  
Up to RC 3 attack resistance

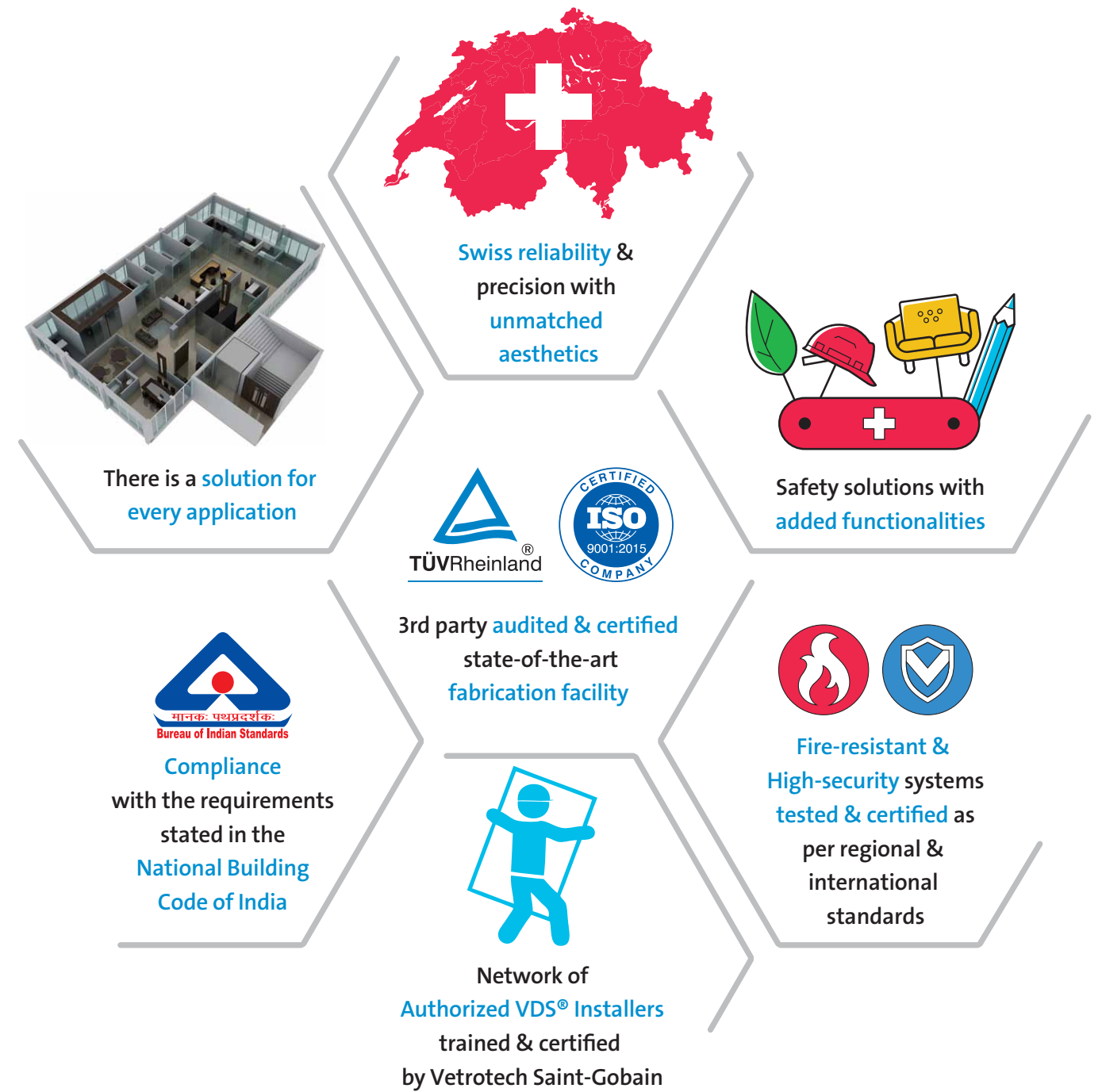


VDS® BULLET  
Up to FB 6 bullet resistance



VDS® BLAST  
Up to EPR 1 blast resistance

## 7 REASONS TO CHOOSE VDS®







VETROTECH  
SAINT-GOBAIN IMEA

### CONTACT US TODAY!

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