

ARE YOU  
**SHIELDED??**



[www.refraholdindustries.com](http://www.refraholdindustries.com)

# ABOUT US

**REFRAHOLD INDUSTRIES PVT. LTD.** is a leading and globally trusted manufacturer and supplier of Refractory Anchors for more than three decades. Located in the industrial hub of Gandhinagar, we boast a state-of-the-art manufacturing facility spanning over 10,000 square meters, equipped with advanced machinery and staffed by highly trained professionals.

**REFRAHOLD INDUSTRIES PVT. LTD.** is an ISO 9001:2015 and ISO 45001:2018 (OH&S) certified company specializing in the production of **REFRACTORY ANCHORS, HEXMESH & ACCESSORIES, TURNED AND PRESSED COMPONENTS, LASER CUTTING ON SHEETS & PLATES, ALONG WITH PIPE AND TUBE MANUFACTURING.**

## Vision

Providing customers with quality products to meet their standards through innovative designs and with total commitment



## Mission

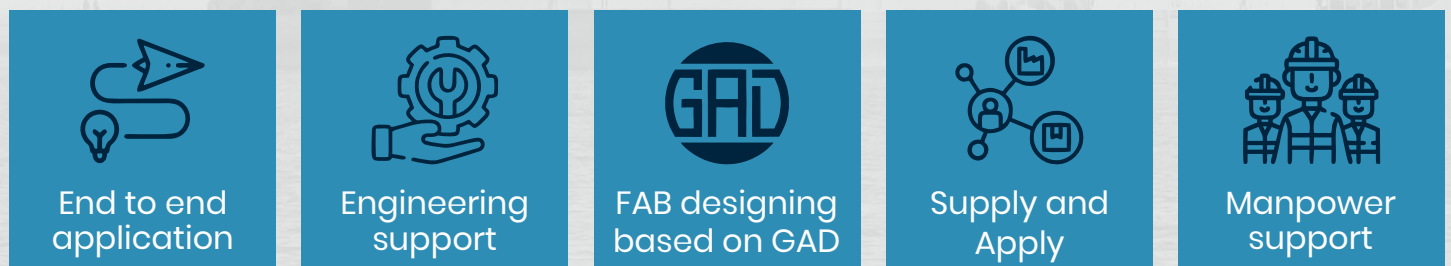
To always be the best in the eyes of our customers & vendors and to become a leading service provider for Refractory Anchoring solution.

## Quality Assurance

We shall endeavor to consistently deliver quality products and services as per industry norms by constantly upgrading our manpower resources through proper training, effective material management, and safe and best manufacturing practices.

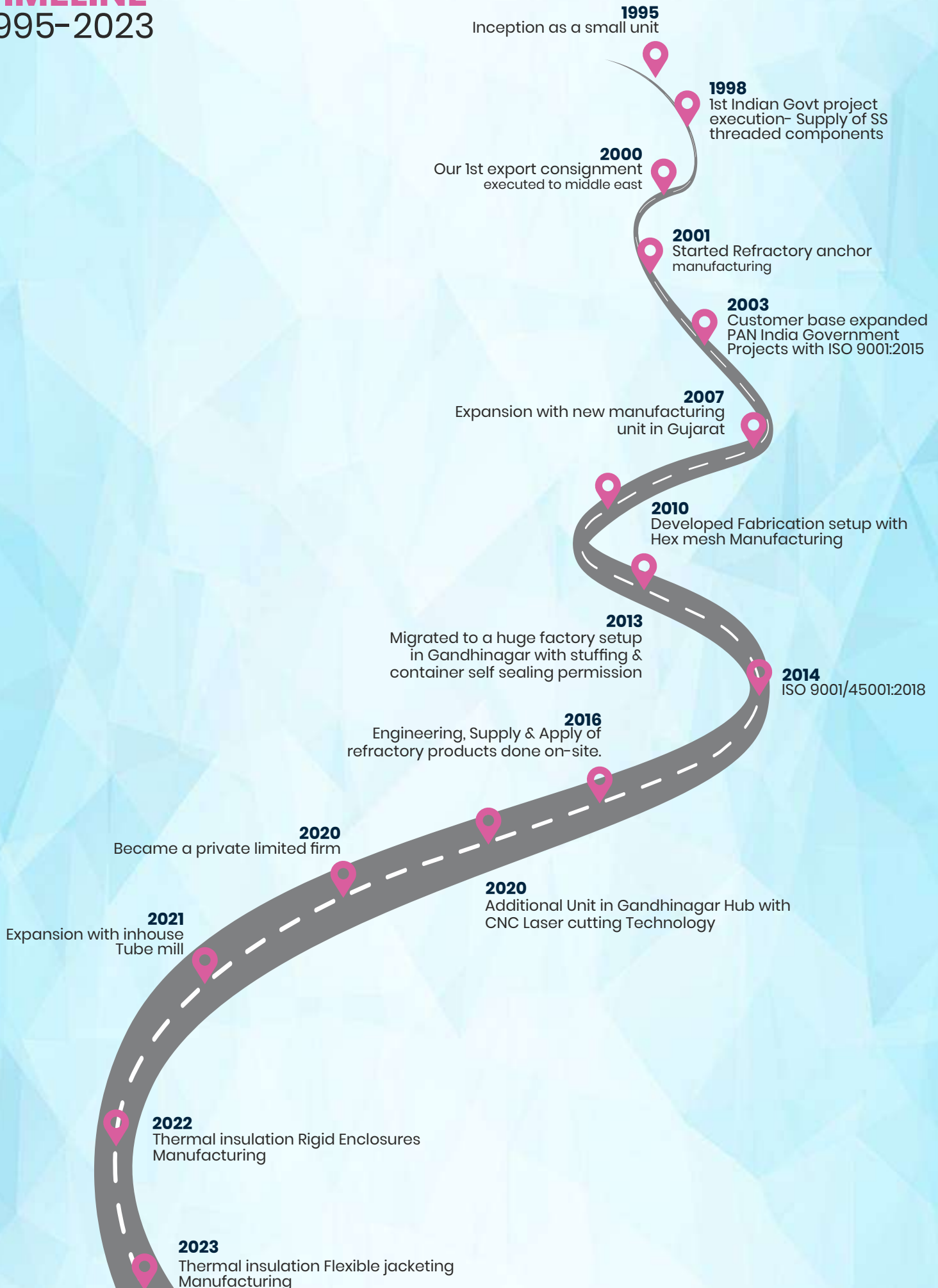
## SERVICES PROVIDED

Being in the industry for three decades gives us immense experience and exposure to fully satisfy our customers with the following activities:



# TIMELINE

## 1995-2023





# CERTIFICATIONS & AWARDS

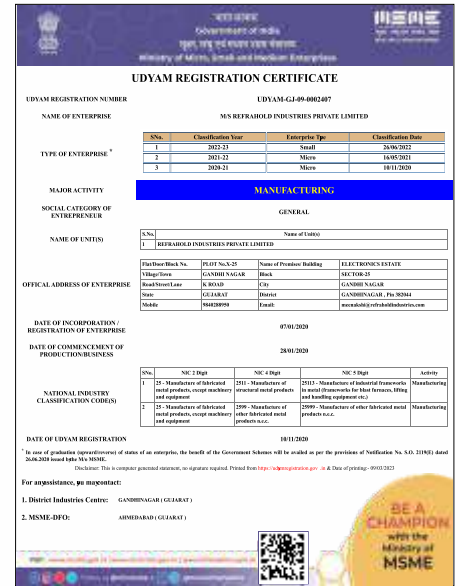
## ISO 45001:2018



## ISO 9000:2015



## Udyam / MSME



## Import & Export



## Fire & Safety



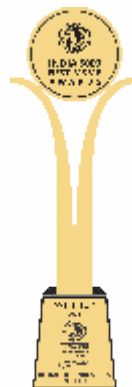
## GST Certificate



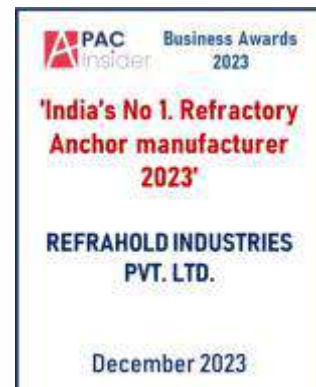
## Business Connect Award



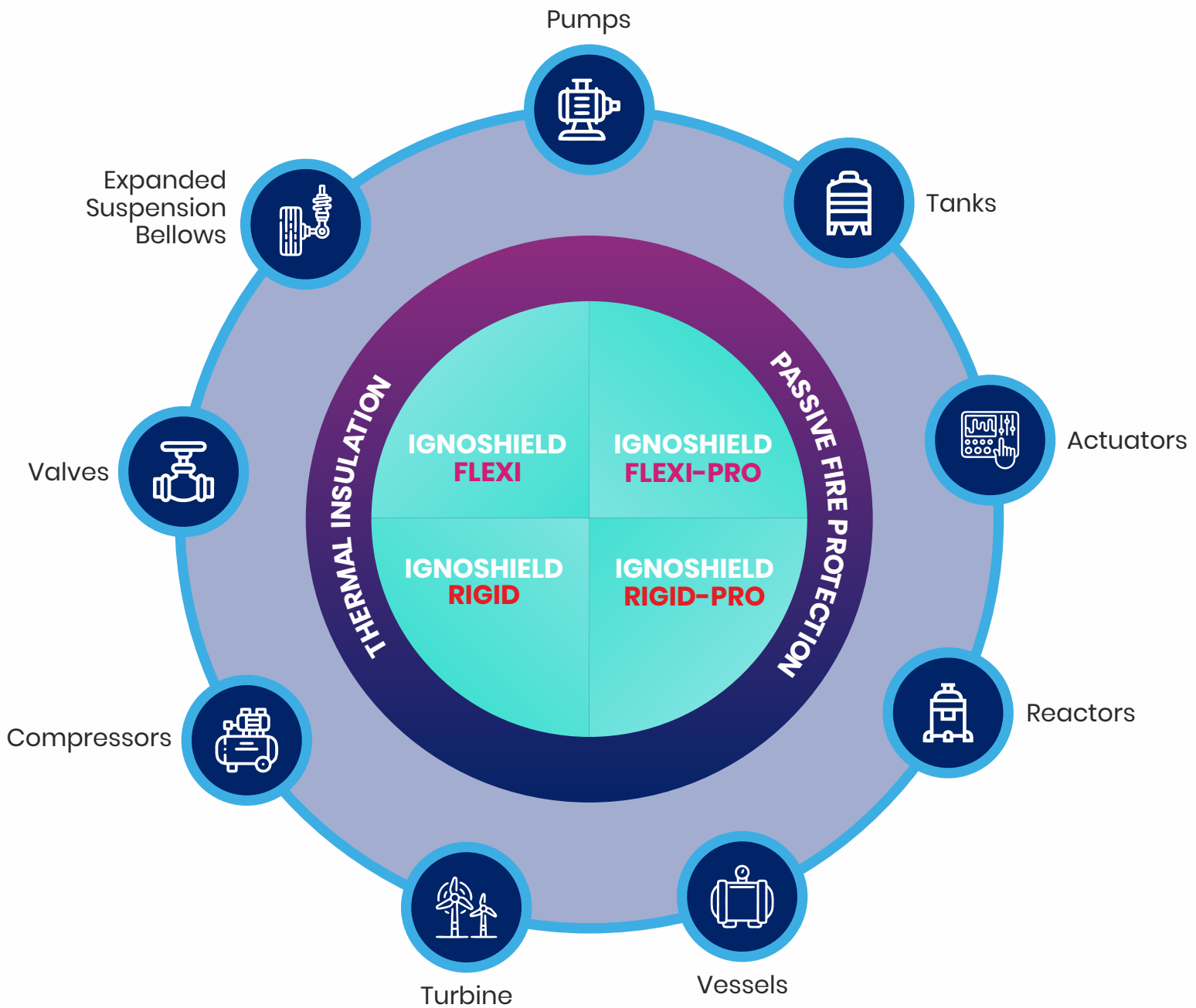
## India 500 MSME Award



## APAC Business Award



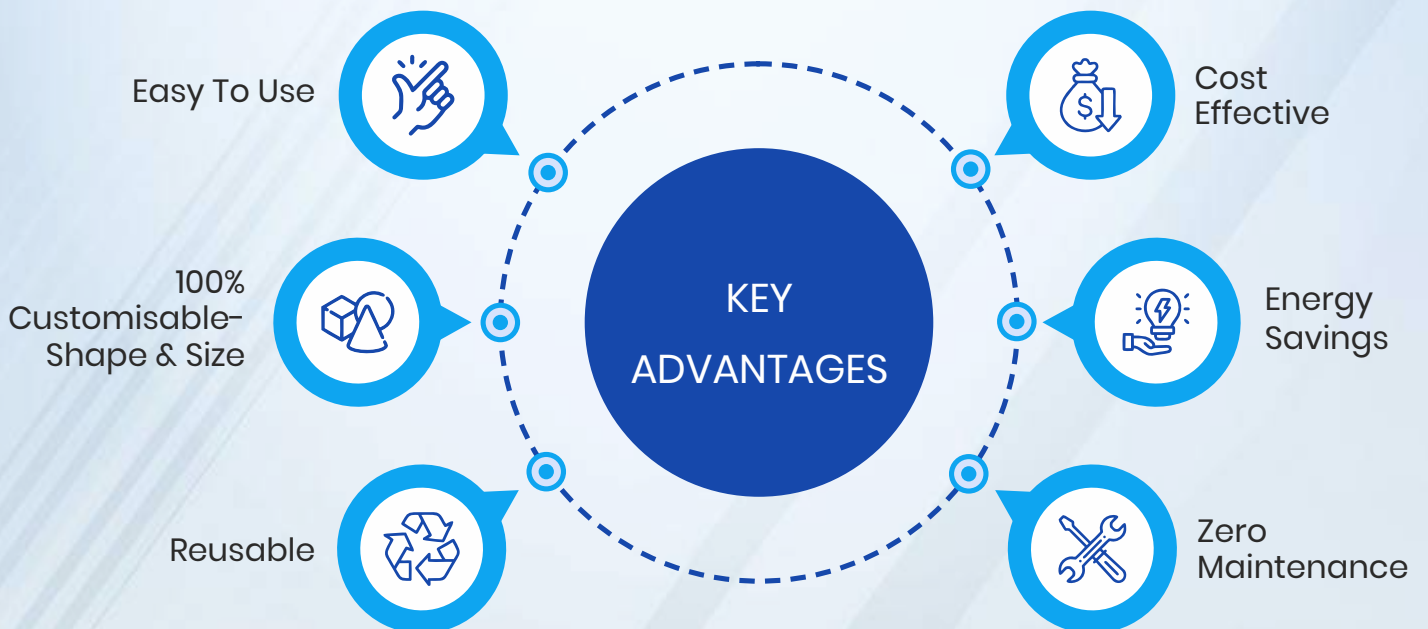
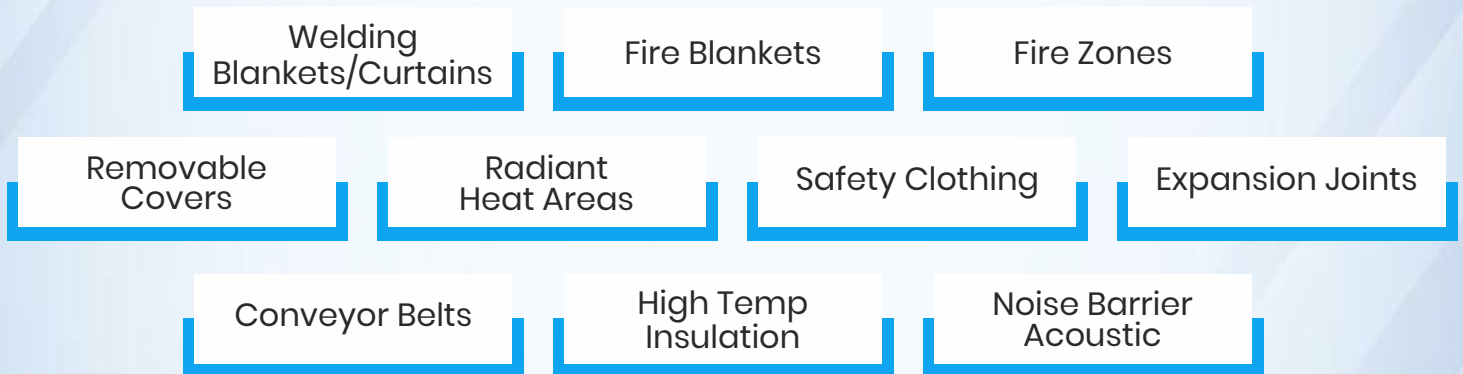
We are proud to introduce our new products as below:



# YOUR SAFETY IS OUR UTMOST PRIORITY



## TYPICAL APPLICATION AREAS





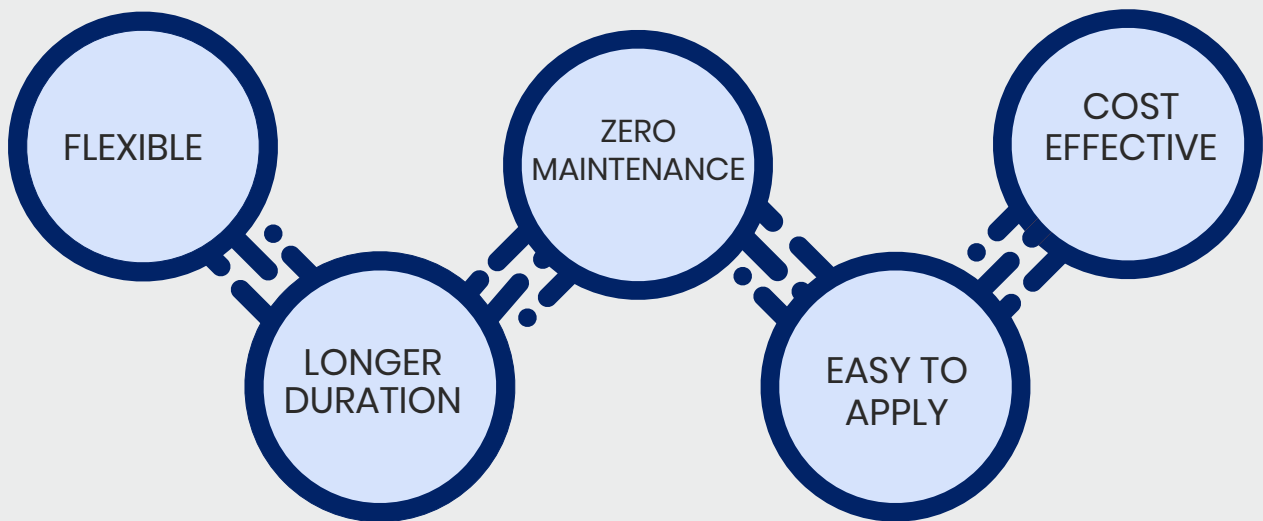
**IGNOSHIELD - SHIELD TO PROTECT**

# FLEXIBLE JACKETING

**IGNOSHIELD FLEXI**  
for Thermal Insulation

**IGNOSHIELD FLEXI-PRO**  
for Passive Fire Protection

Our Thermal Insulation & Passive Fire Protection products are highly



## OUR KEY DIFFERENTIATORS



Hassle free & simple installation & removal process



Minimized site-application time



Designed for extensive coverage in complex machine assembling



Water proof, non-clogging design with automatic corrosion resistance



Optimization & Savings on installation  
**65-75%**



Removable & Reusable

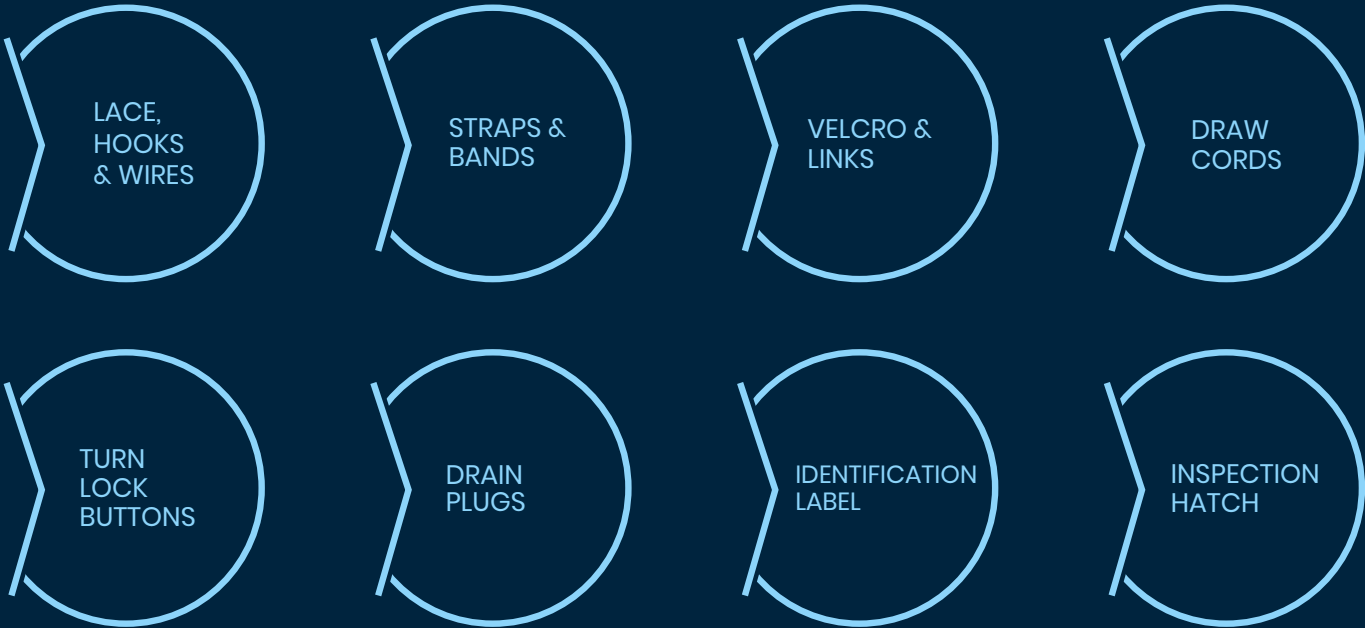


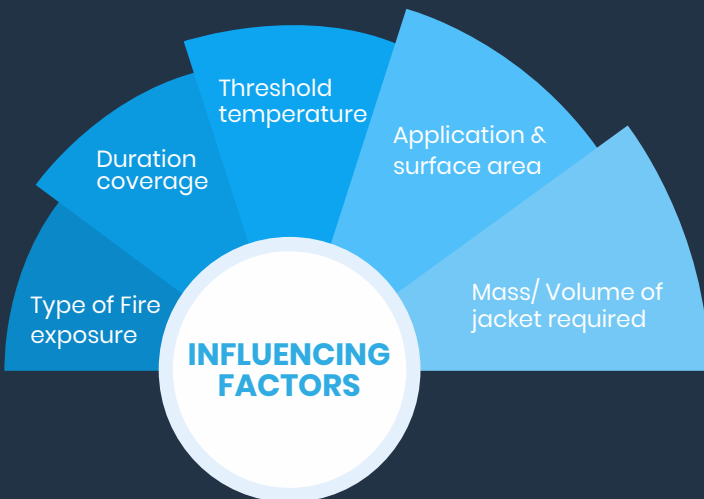
OUR COMPONENTS



INSTALLATION ACCESSORIES

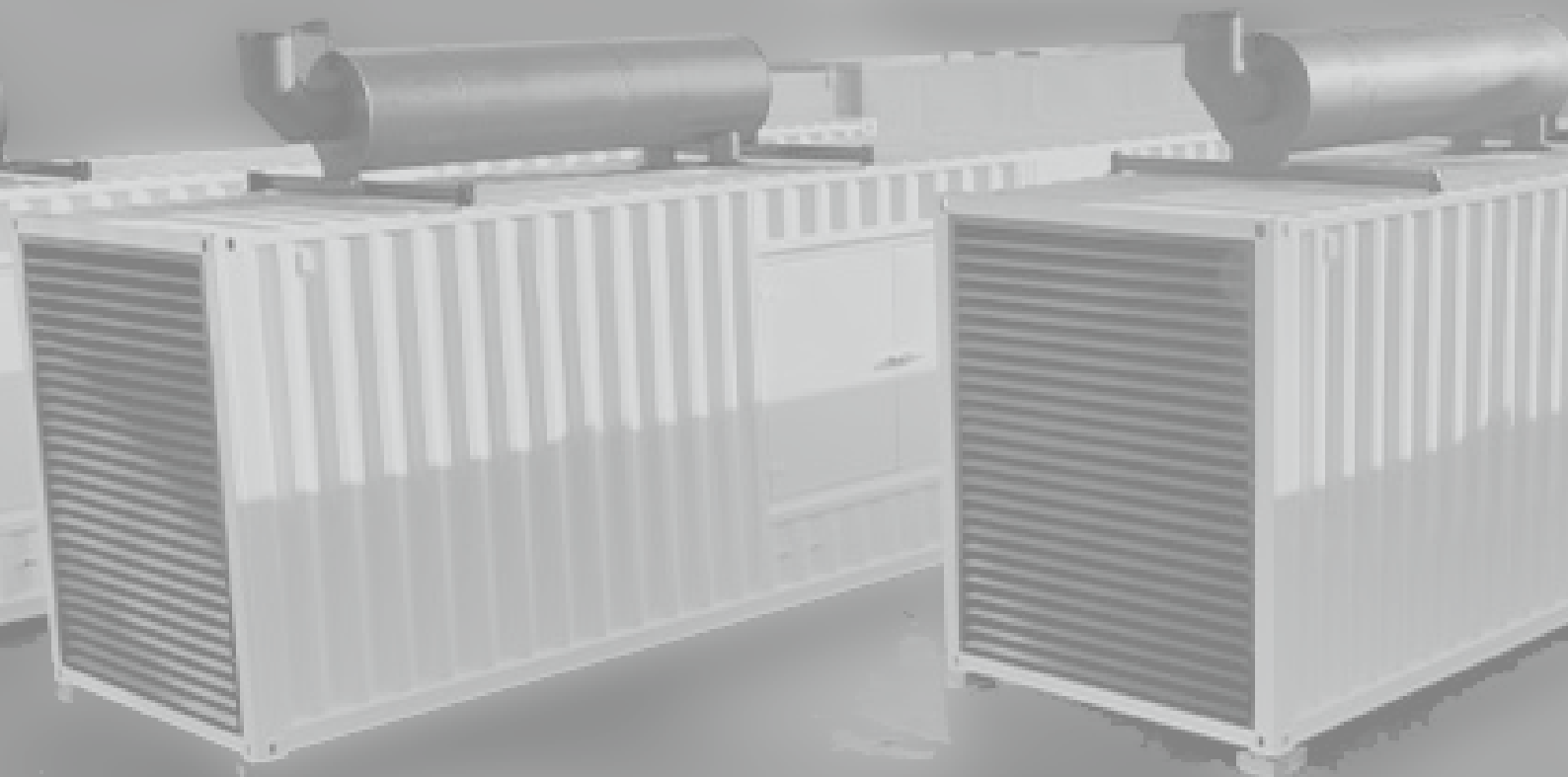
IGNOSHIELD is designed for hassle-free installation and is enabled with the below accessories for easy fastening and maintenance.





### INDUSTRIES CATERED

 OIL & GAS	 REFINERY	 MARINE
 PETRO CHEM	 POWER	 OFFSHORE
 AEROSPACE	 INDUSTRIAL	



# RIGID SHIELD STRUCTURE

**IGNOSHIELD RIGID**  
for Thermal Insulation

**IGNOSHIELD RIGID-PRO**  
for Passive Fire Protection



IGNOSHIELD RIGID & RIGID-PRO are metal-based products that provide protection against high temperatures and fire exposures.

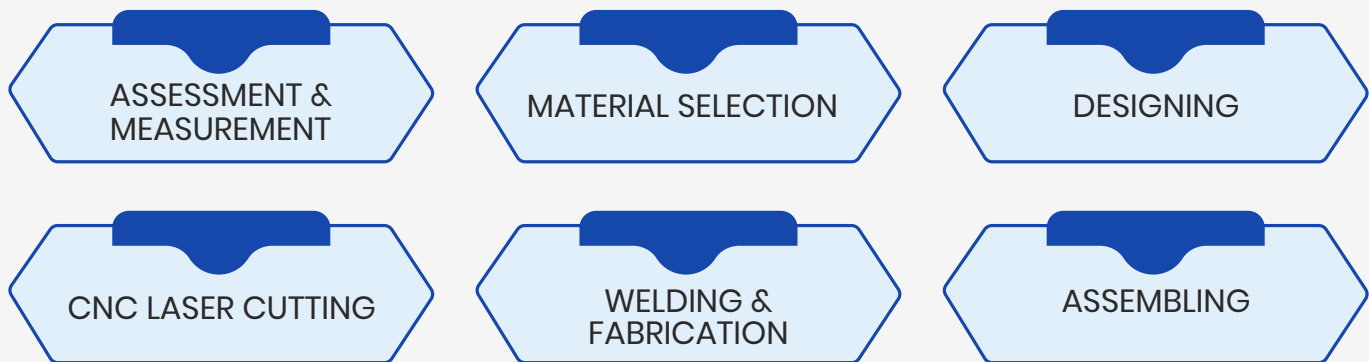
The delivered materials have a wide range, with the most commonly used being Stainless Steel sheets of grades SS304 or Ss316.

These components are custom-manufactured in sections designed to fit around the item requiring protection, along with water drain and inspection hatch features.

Easy fitting and removal are ensured through a simple clip fixing system with heat/fire sealing materials incorporated into the shells.

The robust stainless steel casing is especially suitable for protection in weather-exposed areas.

## PROCESS INVOLVED



## OUR PRODUCTS



**OUR COMPONENTS**



**INFLUENCING FACTORS**

- Type of Fire exposure
- Duration coverage
- Threshold temperature
- Surface area & exposure limit
- Mass/ Geometry of application



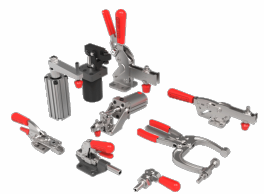
**OUTER COVERING**

SS SHEET / PLATE  
STRUCTURE- All  
sides openable



**BINDING ACCESORIES**

TOGGLE CLAMPS



**INNER MATERIAL**

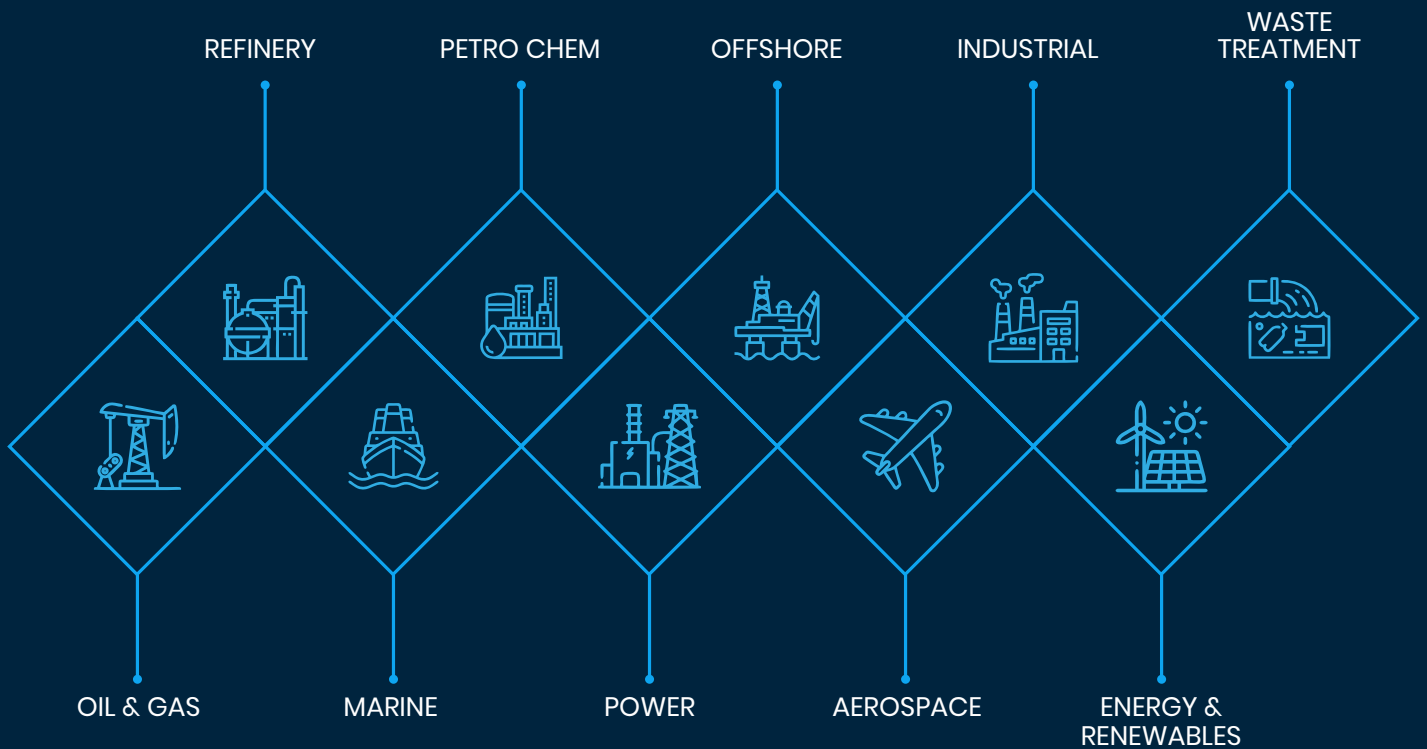
CERAMIC  
FIBRE WOOL



HATCH DOORS



## INDUSTRIES CATERED



## OUR KEY DIFFERENTIATORS



100% Customized designs



End to end processing- Manufacturing to application



Designed for highly sensitive machinery and core energy areas.



Specially customized for aggressive site conditions



High-grade materials with a smooth finish.



# WHY USE IGNOSHIELD OVER CONVENTIONAL METHODS

## SAVINGS



Cost & time savings upto 75%

Maximum Energy savings compared to standard applications



No wastage assurance through 100% reusability

## USER FRIENDLY

Easy application & removal



Customized fittings enable an exquisite look and finish.



Zero maintenance enabled through open hatches



## INSULATION FEATURES



Lowest thermal conductivity

High Resistance to water, solvents and chemicals



Very low moisture-vapour permeability

Safety features include being non-flammable and non-explosive.

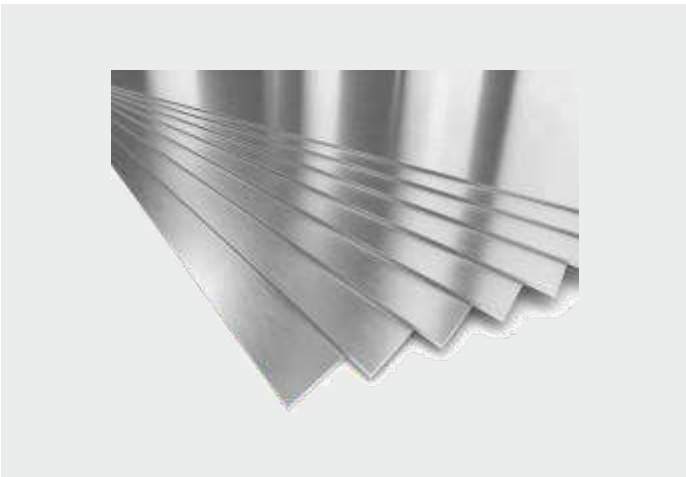


# INSULATION ACCESSORIES

## INSULATION ACCESSORIES

REFRAHOLD INDUSTRIES provides a wide range of stainless steel and high-alloy products in round bars, sheets, plates, and coil forms.

- FOIL thickness ranges from 0.05mm to 0.5mm.
- Round bars in straight or coil form have a diameter ranging from 0.5mm to 24mm.
- Sheet metal in coil or strips has a thickness ranging from 0.5mm to 5mm.
- Tie wires have a diameter of 0.5mm to 1.6mm.

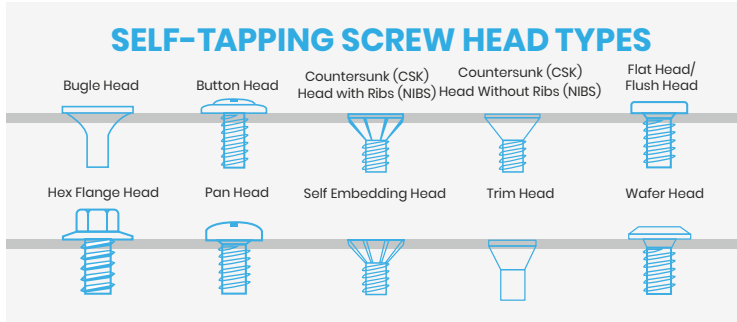
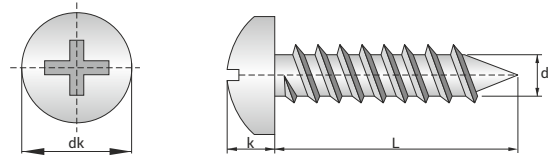




## SELF TAPPING SCREW

Self-tapping screws are typically used to secure wood, plastic, metal and brick together.

There are two types of self-tapping screws, thread-forming and thread-cutting



Model	dk	k	L	d
M2*4	3.5	1.28	4	2
M2*5	3.5	1.28	5	2
M2*6	3.5	1.28	6	2
M2*8	3.5	1.28	8	2
M2*10	3.5	1.28	10	2
M2*12	3.5	1.28	12	2
M2.2*5	4.1	1.6	5	2.2
M2.2*10	4.1	1.6	10	2.2
M2.6*6	4.3	1.65	6	2.6
M2.6*10	4.3	1.65	10	2.6
M3*8	5.1	1.7	8	3
M3*12	5.1	1.7	12	3

Unit:mm

## POP RIVET

A rivet is a mechanical fastener composed of a head on one end and a cylindrical stem on another (called the tail) which has the appearance of a metal pin.

Pop Rivet is used to make high strength joints in a range of materials, including metals, plastics, wood and leather



### Types of Rivet

- Solid Rivets
- Structural Steel Rivets
- Split Rivets
- Blind Rivets
- Flush Rivets
- Friction Rivets

**Blind rivets, also commonly referred to as POP Rivets**

## INSULATION PINS

Install Pins are used to mechanically fix and install insulation material that can be pierced by metal spindles. Install Pins, also referred to as 'hanger pins' or Insulation Pins, are either stud-weldable or designed to be bonded with adhesive for non-welded systems.

They are used to secure the insulation material.



## WORM GEAR / SCREW / BAND CLAMPS

Worm Drive Hose Clamp, also known as Screw Clamp, is a metal band clamp. It has a helical-threaded screw, or worm gear, housed in the clamp. Worm Gear Clamps provide a hi-torque clamp that prevents hose connections from slacking, and they also prevent leakage.



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