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# HISTORY

Started in 2014 as a trading company in building insulations as part of the go green campaign. We felt that insulation at the time was neglected and underrated among the other building materials yet it held a very important role in reducing energy consumption by preventing heat gain or loss through the building envelope.

In 2017, we had our first project involving permanent fall arrest system to be used during building maintenance. Most people would neglect this, despite the increasing number of incidents happening globally.

Today, we are a fully working construction company specializing in Thermal Insulation, Fall Arrest System, and Security Fence, all of which are equally as important as other parts in building construction.

# VISION

Is to become a company that is not only successful financially but also able to help the others while preserving our environment.

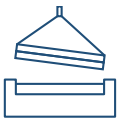
# MISSION

We strive to be a reliable and trustworthy modern construction company as part of the global plan for infrastructuring. We believe that a successful, completed building project will have good impacts on every body around us, thus most likely increasing their life quality.

As part of our standard operating procedure, we listen to our customers, we find a solution, and we follow through even after a project has been completed to further guarantee quality.

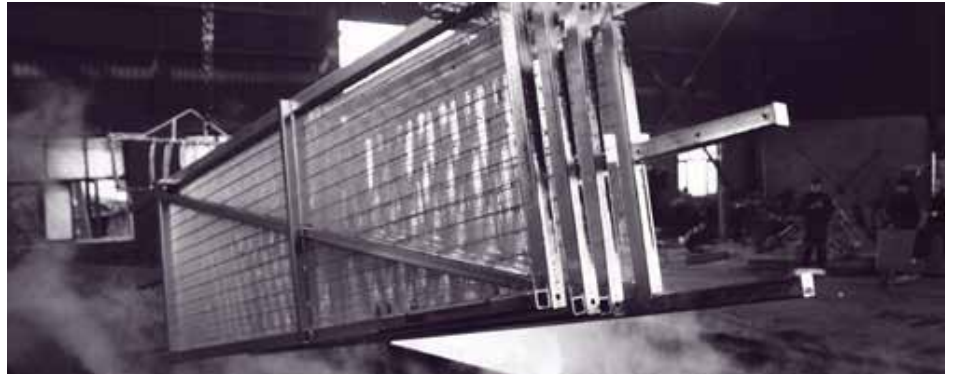






## GALVANIZING

Hot dip galvanizing is the process of coating iron or steel with a layer of zinc by immersing the metal in a bath of molten zinc at a temperature of around 450 °C (842 °F).



The Hot-dip Galvanizing (HDG) process Consist of three basic steps



**01**  
**Surface**  
**Preparation**

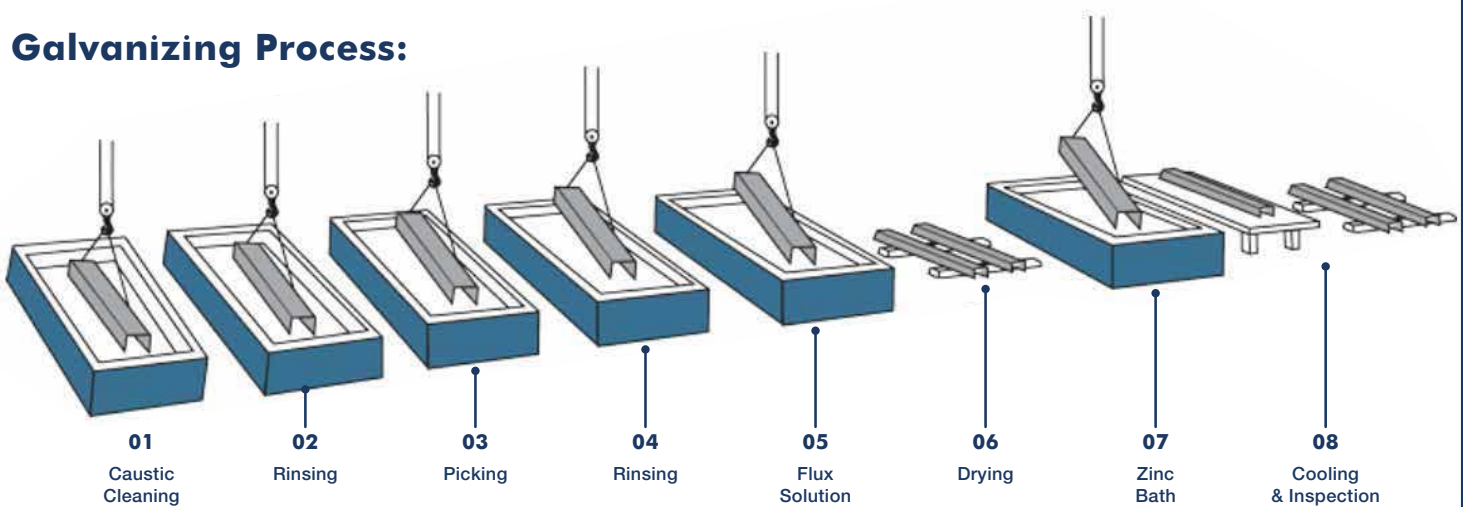


**02**  
**Galvanizing**



**03**  
**Inspection**

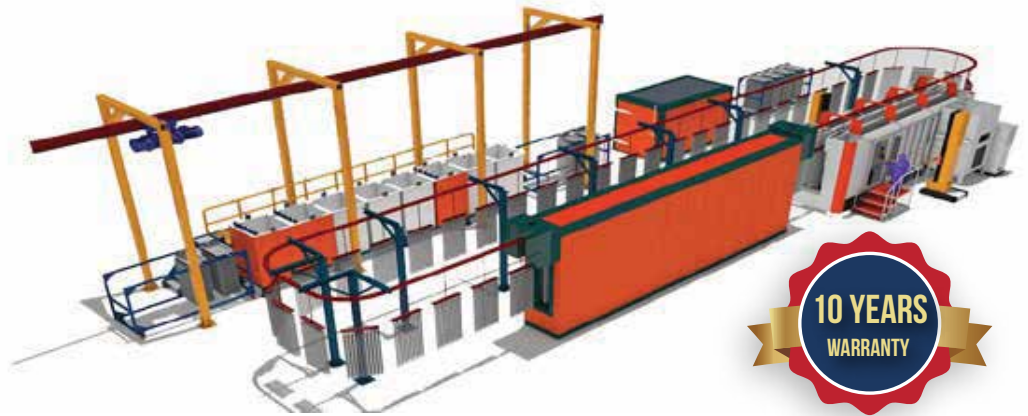
### Galvanizing Process:





## POWDER COATING PROCESS

The powder coating process puts a coating on an item electrostatically, which is then cured by heat in the oven. The finish is harder and tougher than conventional paint. The process is useful for coatings on metal and aluminum products.



01

**After Welding**

02

**Sandblaster**  
(Generally 2 Minutes)

03

**Ultrasonic Degreasing**  
(4 Minutes)

04

**Degreasing**  
(with shower spraying water for 1 minutes)

08

**Pure Water Cleaning**  
(1 Minutes)

07

**Nano Ceramic**  
(with Henkle Bonderite;  
4 minutes)

06

**Pure Water Cleaning**  
(1 Minutes)

05

**High Pressure Water Cleaning**  
(1 Minutes)

09

**E-Coating**  
(with DuPont Electrocoat EC3000AM for 3 Minutes)

10

**UF1**  
(Water shower spraying for 1 minute)

11

**UF1**  
(Water shower spraying for 1 minute)

12

**Curing in Oven**  
(180°C for 10 Minutes)

15

**Packing**

14

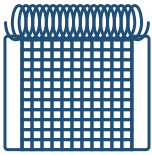
**Curing in Oven**  
(200°C for 10 Minutes)

13

**Powder coating in powder coating spray room**  
(18 spray guns, with ALESTA / AKZO NOBEL)

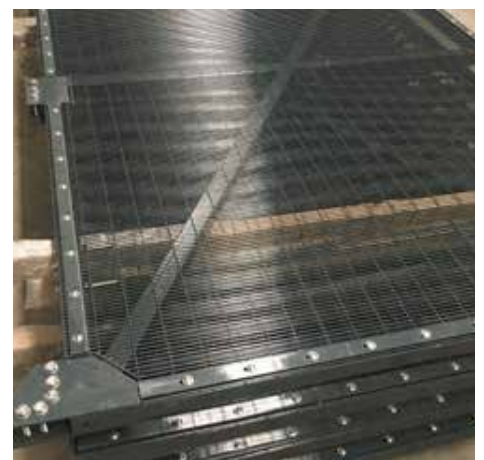
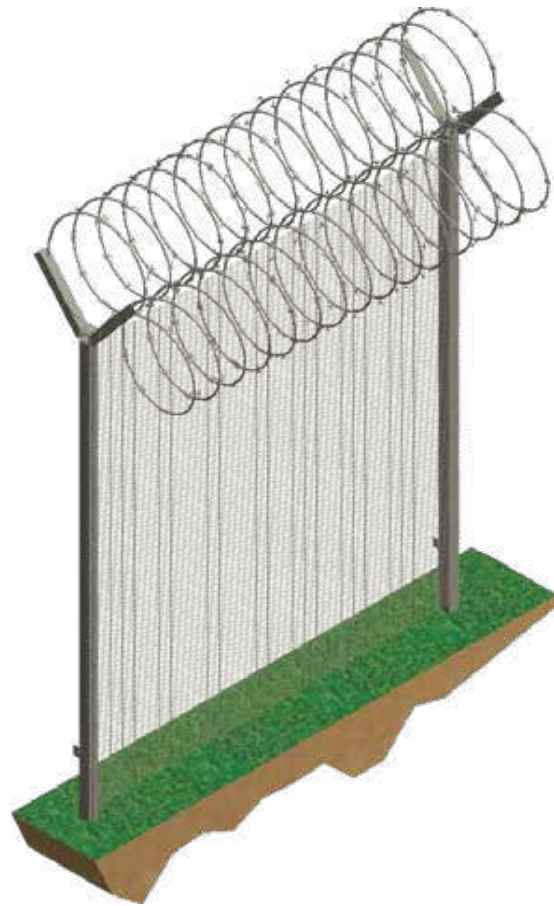






## ANTI CLIMB FENCE

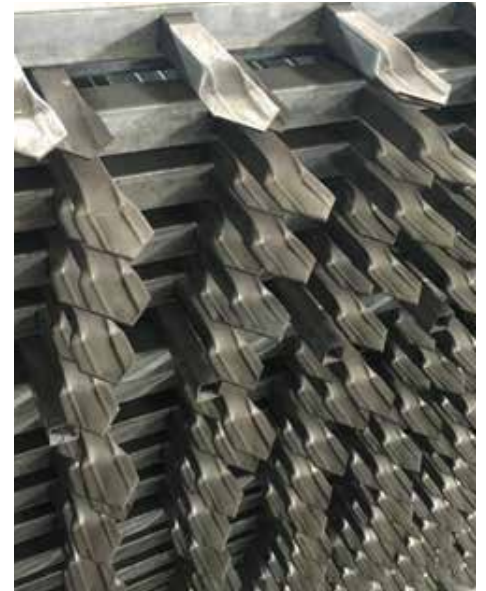
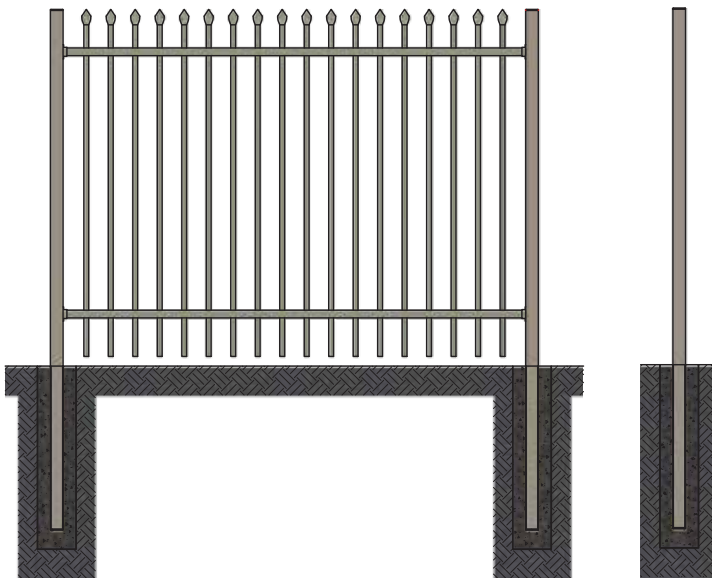
Our many years of knowledge and experience within the security fencing industry has helped with the advance design and development of the high security anti-climb mesh fencing system, otherwise known as 358 system. The anti-climb fence provides maximum security for perimeter security fence protection. There are a few options of mesh aperture ranging from the below table where we manufactured from 3 - 5mm wire diameter wire makes it extremely difficult to penetrate using any hand tools, therefore providing more time to execute the point of entry. The anti-climb system speaks for itself where finger or toe-proof mesh aperture makes it totally secure. It also provides a clear level of sight through the horizontal aperture from any angle giving the confidence to spot any enemies.



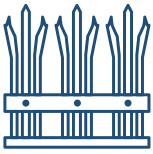


## GARRISON FENCE

Garrison fencing uses pre galv hot steel strip as a base material, after welding with high-frequency welding technology also called as roll forming process, the strip are form into tube to suit each profile. There are 3 options connecting design for the garrison fence. There is the face welded which is normally the heavier spec of the 3. Follow with the punched through rail system and the clip-on system where there is NO welding required. We can also accommodate with a minimal of 2 horizontal rails to 4 horizontal rails to suit the environment. We can also customise the top end design for flat top, crimped spear and with the preferred ornamental design to suit home surrounding. There is also an option for crank top for better security protection. With our unique and secure packaging design we can easily transport the cargo to any part of the world at ease.

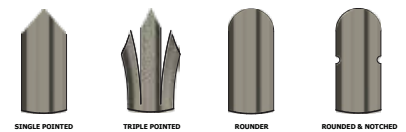
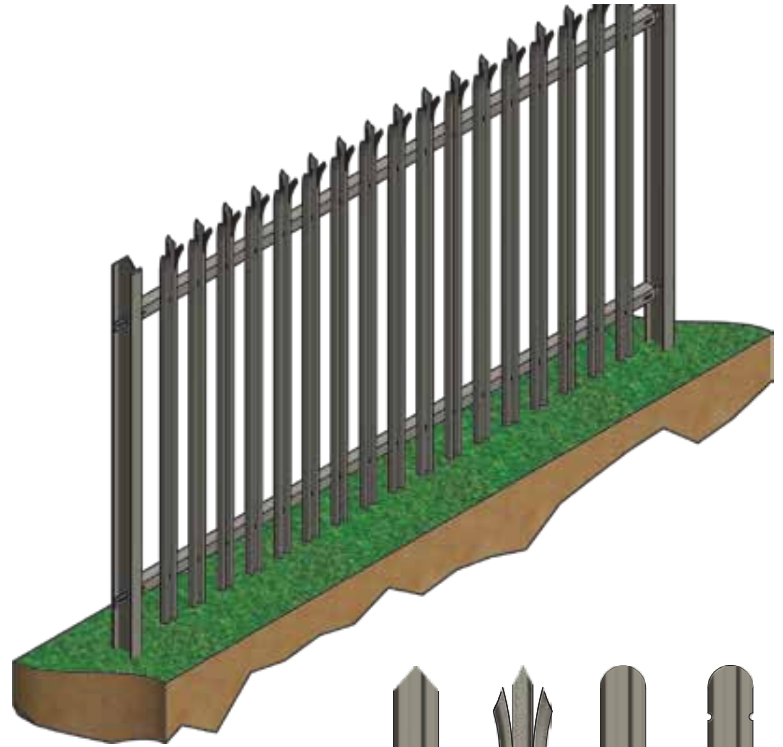




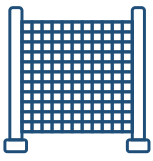


## PALISADE FENCE

The Palisade is available with the 'W' section profile or 'D' section profile. Palisade fencing is becoming more popular because of its strength and security, the picket design comes with a pointy option, rounded option or the triple point option. Palisade is used extensively for government projects and private businesses as the ideal visual barrier against the intruders. We can also provide option for crank design or even a concertina razor wire as an add on item. All fencing are manufactured according to the Australian and British Standard

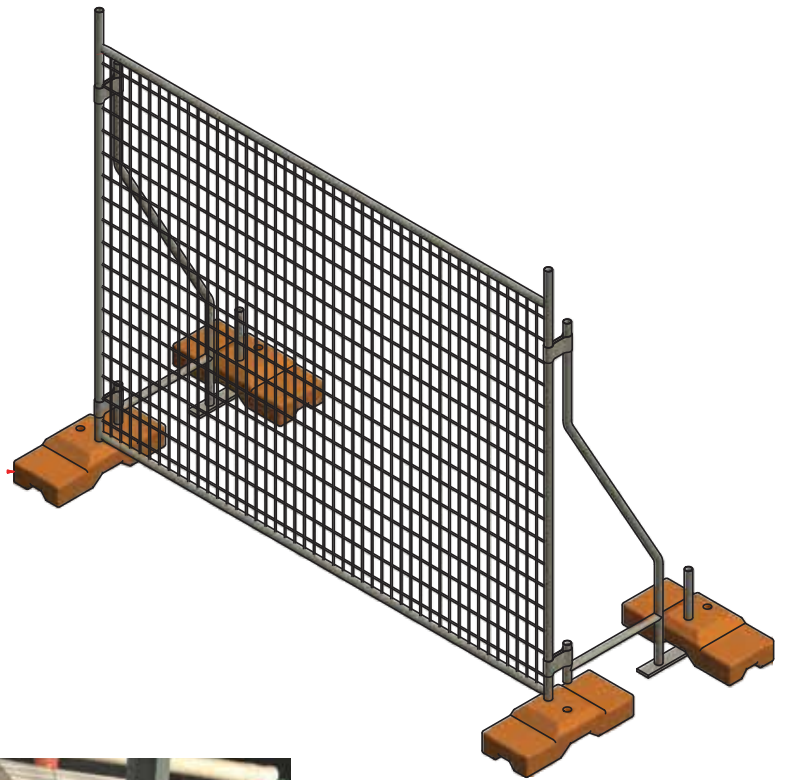






## TEMPORARY FENCE

We supply temporary fencing and a wide range of fencing accessories suitable for all scale applications. Our fencing solutions are user friendly and extremely quick and easy to install. Extremely durable yet lightweight temporary fencing panels (One person job). Ideal for construction sites, events, road works and other applications that require temporary perimeter fencing. We have ready stock ready to dispatch from our advance China manufacturing warehouse.



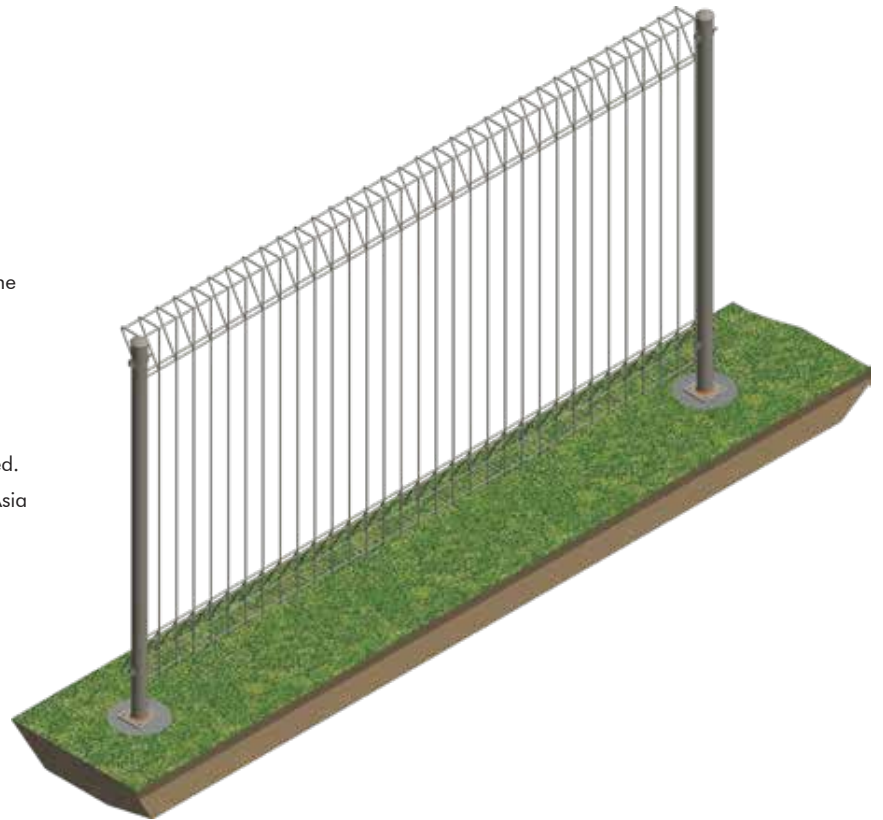




## BRC PANELS

The unique design with the single end roll edge or 2 ends roll edge welded mesh are electro charge to spark the welds combination with the vertical and horizontal aperture lines. The ends are then rolled over with the machine. These wires are made from high tensile wire which provide better strength. In addition the roll edge makes the panel more rigid.

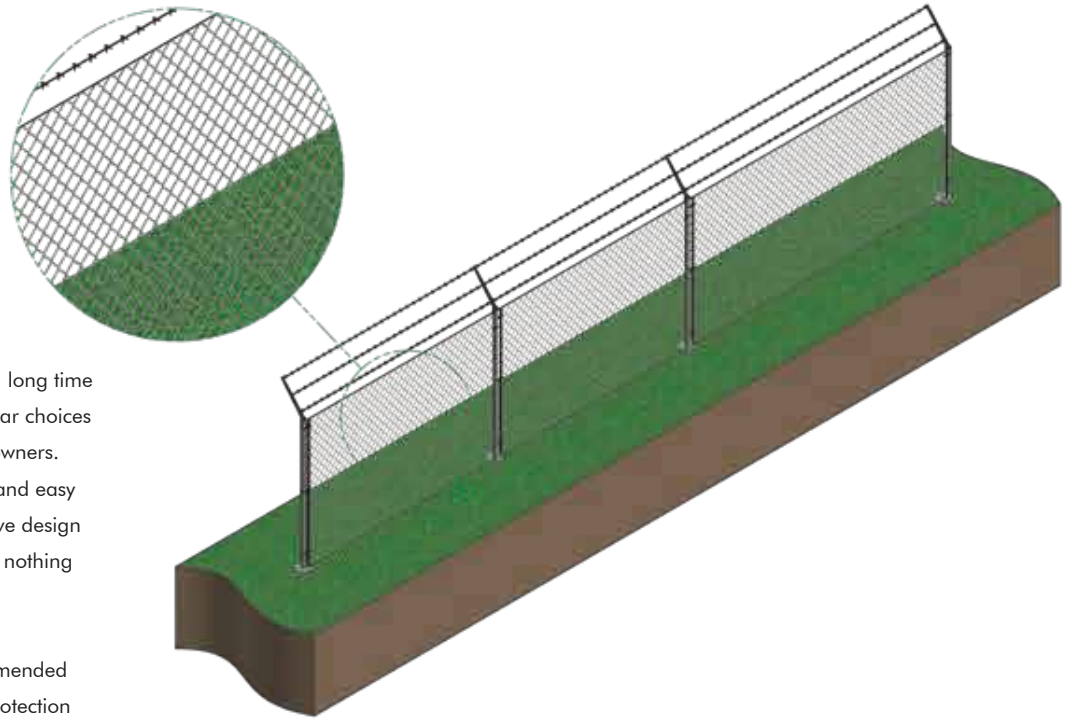
There are also options for the post to be embed or base plated. This type of fence are commonly used across the South East Asia Region. Cheap and affordable in any range. Some end consumer even get this as a DIY package for their own home perimeter renovation. That will surely save \$\$\$\$.







## CHAINLINK FENCE

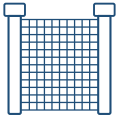


Chain link fences have been around for a long time and they continue to be among the popular choices for residential and commercial property owners.

The reason because its durable, flexible, and easy to maintain. What is more, the open weave design does not obscure sunlight so there will be nothing blocking the sun rays over your property.

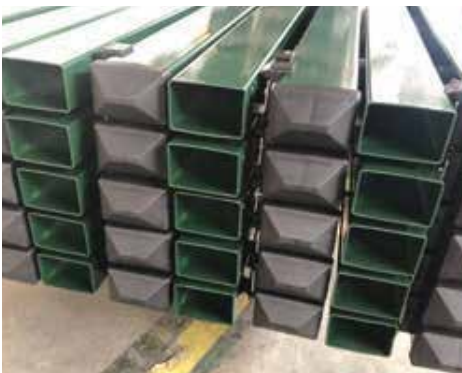
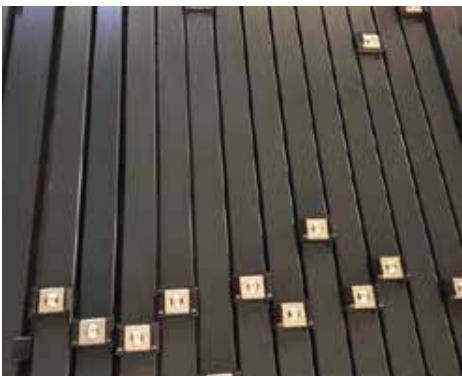
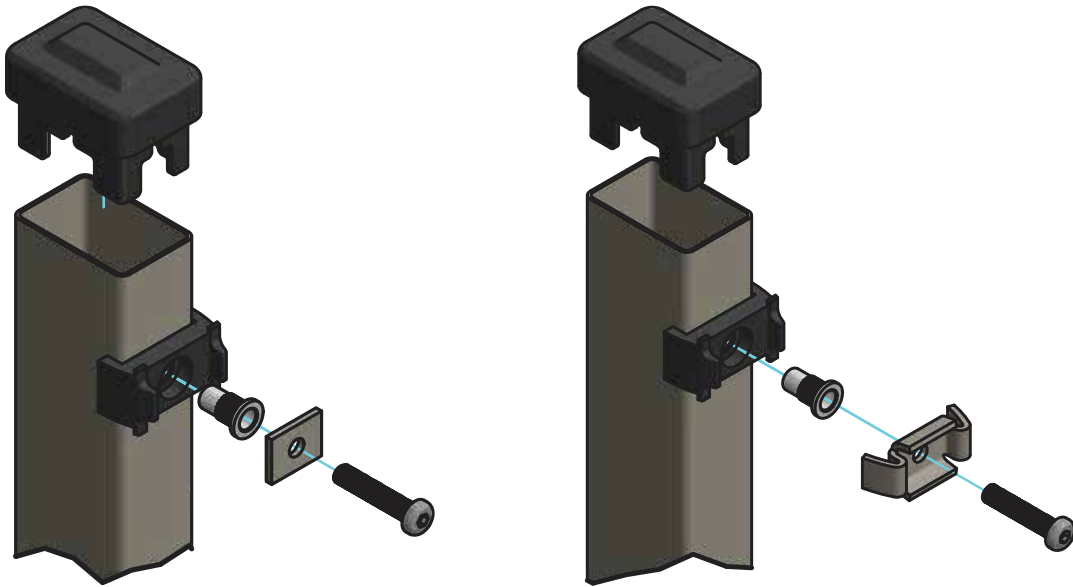
When it comes to strength it is not recommended but if you are planning to give in some protection coverage then the chainlink fence will be the suitable choice. The chainlink mesh are rolled up in individual rolls for easy extraction during the installation process. This also helps save more space during shipping.





## EUROPE POST

The standard profile for this Europe post is rectangular, square and circle. It is light weight with access of predrilled holes to accept the clips and M8 fittings. You can also choose to get the full accessories (Caps, Clips & Fittings) as a package or without. It is easy to make with short lead time and ship in huge quantities for up to 4000 pieces per container load depending on the specification. The benefit of the Europe post is a marriage for most of the mesh panel design. It's huge in the European market that I believe it got its nickname from. It is also recognised now in the South East Asia market. We have a full range of size and finish treatment.



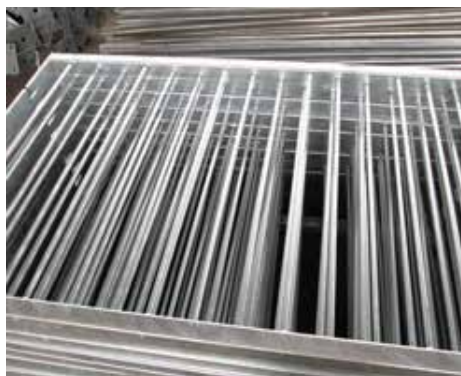




## POOL FENCE



Nowadays, many houses have their own private swimming pool. It does not matter if it is for outdoor or indoor. Swimming pools are a lot of fun but without the right security, safety is a concern. With the design to suit both safety and eye catching. The pool fence come in two option, steel base or aluminium base (6063). The pale spacing is design at a narrower interval to prevent children going over to the other side. You can request for 4 point weld or 6 point weld. The post design can be suited for embed or base plated. Over the last few years with the effective pool fencing in place, we can help save lives.

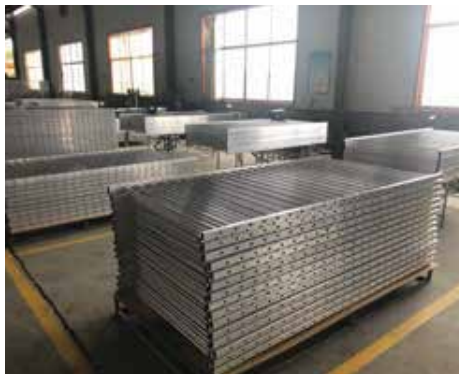




## RAILING SYSTEM

The railing system is our main product for the residential area. It comes with many preferable designs. It also gives a very elegant look with low maintenance required. Built for strength that matches the security demand. Facing some issue with diagonal angle? Fear not, we can also create a rackable design to provide tolerance during the installation process.

A wrought-iron fence gives your backyard or garden a clean, tailored look, but it requires maintenance from time to time to keep it safe. For a similar style with less worry, try aluminium fencing. It is easy to install, and it's an affordable way to make your landscaping looks LUXURIUS.



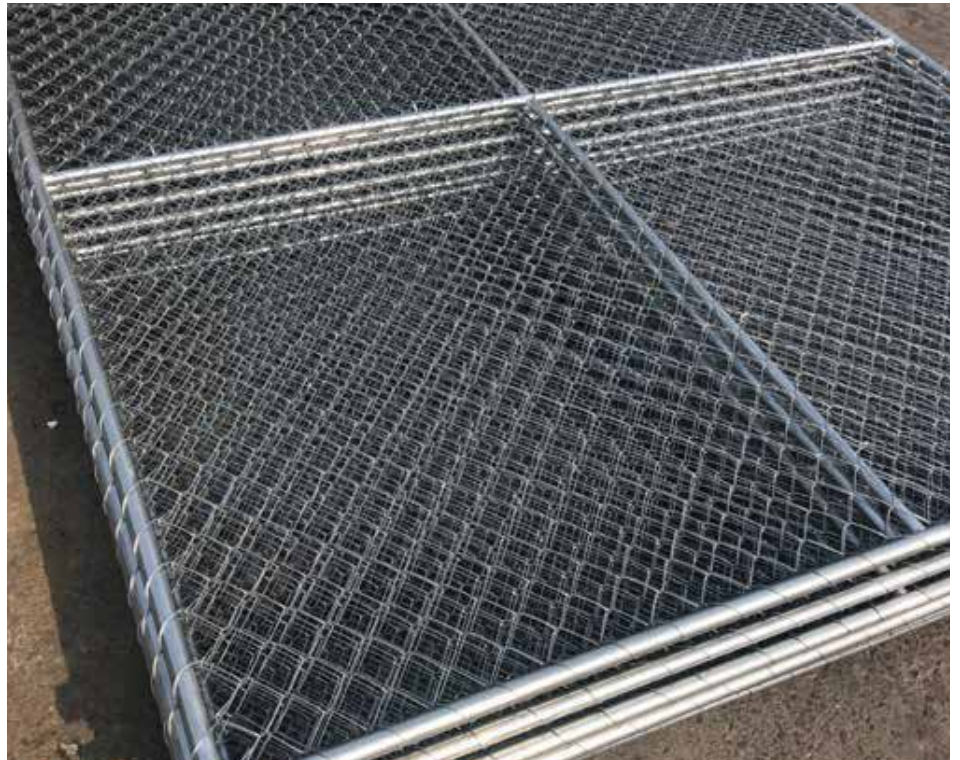
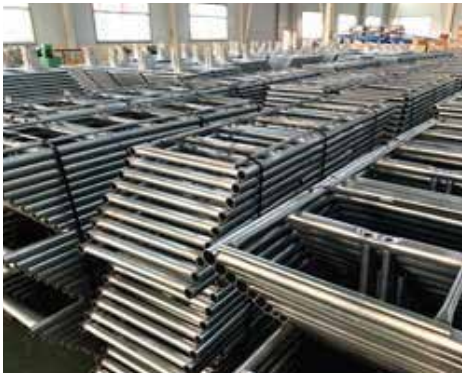




## TEMPORARY CHAINLINK FENCE



These products are first know in the state where its used in very big volume for the construction field. Ideal for fast deployment of controlled spaces, our temp chainlink panels are popular in many sector like the construction sites, military and government buildings, concerts, and anywhere a temporary chain link fence is needed. Galvanized chain link fence portable fence panels ship assembled, designed to be used with removable base stands so they may be installed fast with just a couple nuts and bolts and clamps.



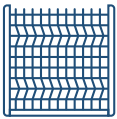




## WIRE MESH

We manufacture a large range of welded wire mesh spec and design. Each respective design and attractive looks for individual projects weather its big or small. The welded wire panels are made of high quality low carbon steel wires. The wire mesh can be bend and shape up to different design preference.

When chosen correctly, wire mesh offers the strength and flexibility needed for a given application.



## NYLOFOR MESH

These is the most popular and affordable perimeter fence in the industry. With the perfect combination design with a low visual impact that will comfortably blend into any situation. This fence is widely used around the world with its flat design or protrude design for extra rigidity. This fence would be the best solution to cover up large perimeter at a budgeted cost.







## BOLLARDS

Bollard are usually made of iron, stainless steel, aluminium or nowadays with recycle materials to keep the environmental Green. Bollard is describing in a variety of item to prevent the passage of motor vehicles whilst allowing pedestrian and bicycle access. There are also range of specification depending on the purpose of security required.



## PIPE & TUBES

Iron is used for different materials which contain a high percentage of iron in elemental form. These materials are categorized as pure iron, wrought iron, cast iron, and pig iron. Iron are strongly attracted by magnets, occurs in meteorites and combined in minerals. A chemical element that is a common greyish-coloured metal. It is strong and used in making steel, Bear in mind Iron rusts easily unless its pre-treated with heavy zinc coating.

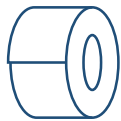
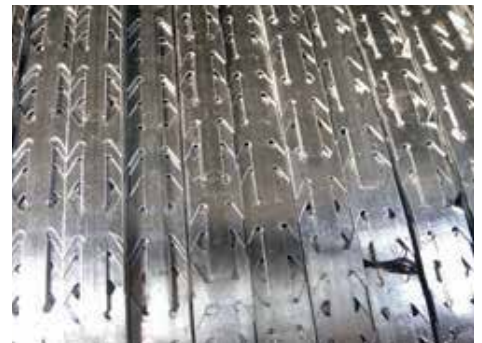






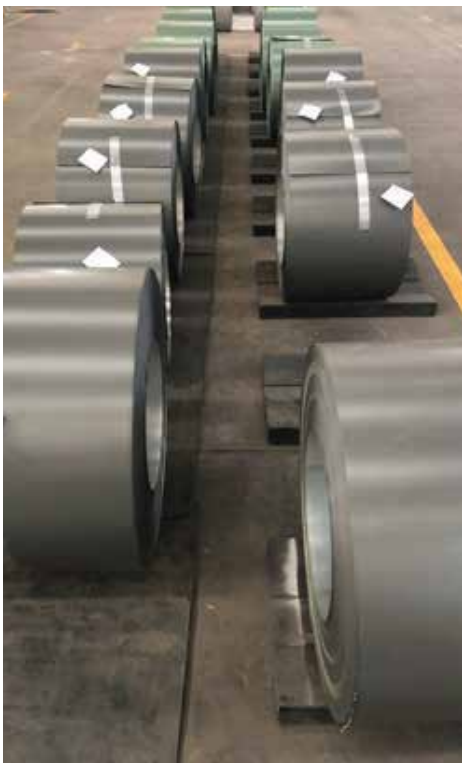
## RAZOR & BARB WIRES

Razor wire has the potential to cause serious injury to anybody trying to breach it, making it a very effective security solution and deterrent that few trespassers would willingly test. These are commonly used for Airport, prisons and the military where high security is required. For double protection we can provide an extra coating called the electrophoresis coating at a cost. This are normally used along the shore or areas where it has a heavy raining climates.



## KOALA TIN SHEET

Koala tin sheets are used to keep the cute friendly animals away from road, streets, development, dogs and even stress related diseases. There was a major increase on death for this cute koalas around Australia over many years. The tin sheets can be installed onto chainmesh panels and many other types of fences.

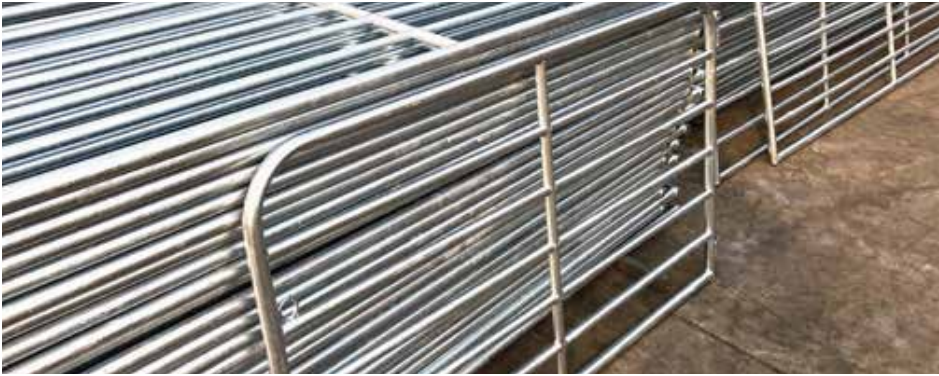






## FARM GATES

The farm fence refers to the design and location being used in rural area. There are a few categories in the farm range to keep all the livestock in one place. It is label with each respective animal names. The Cattle fence, Horse fence, Sheep & Lamb fence and the Farm gates for in and out access. The design can withstand strong wind in open area. On the other hand, the HDG treatment provide with a long-lasting life span over many years to come. The farm gates can suit many types of fence design, common one would be the Chainlink or field wire fence.



## WIRE & COILS

There are 3 ways of getting this manufacture either from galvanized wire, black annealed wire, PVC coated wires or stainless steel. They are used to harness and bundle items, usually called wires. Functioning like straps and cable ties are available in miniature sizes for holding small loads, and are also fabricated in long lengths and strong tensile strengths for large items or bundles.



Indonesia

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# OFFICE

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