

SiteGard **CraneGard**

Tower Crane Protection and Access Control



Tower Crane Security

Increasing Issue of Unauthorised Crane Climbing

Intruders climbing of tower cranes, especially at night, has become more common in recent years.

Thrill-seekers, social media influencers, and protesters are often drawn to construction sites, attempting to access the tower crane structure.

This dangerous activity poses several serious risks:

- ✈ **Potential Falls:** Climbers risk falling from great heights, leading to severe injuries or fatalities.
- ✈ **Damage:** Unauthorised access can damage the crane and its edge protection.
- ✈ **Financial & Reputation Harm:** If injuries occur, the contractor's can be liable for large financial damages, as well as their reputation being significantly damaged.



Responsibility of the Main Contractor

The occupier of the site, generally the main contractor holds primary responsibility for site security and safety. If unauthorised access is a possibility, additional tower crane security measures must be implemented.

The need to provide safe access for essential maintenance and erection/ dismantling personnel should be taken into account, as well as potential impact wind loadings on the crane foundations.



Hoarding For Crane Protection - The Limitations

Wooden hoarding is sometimes used as a surround solution around the base of the tower crane. However, this has a number of disadvantages for health & safety:

- 🦅 **Climbability:** Wooden barriers can potentially be scaled.
- 🦅 **Inspection Difficulties:** Hoardings obscure the crane base, complicating inspections. It also obscures natural light.
- 🦅 **High Wind Loading:** The solid panels create a large sail effect, adding extra load to posts and foundations on windy sites.
- 🦅 **Reusability:** Hoarding is often not reusable at the end of the site.



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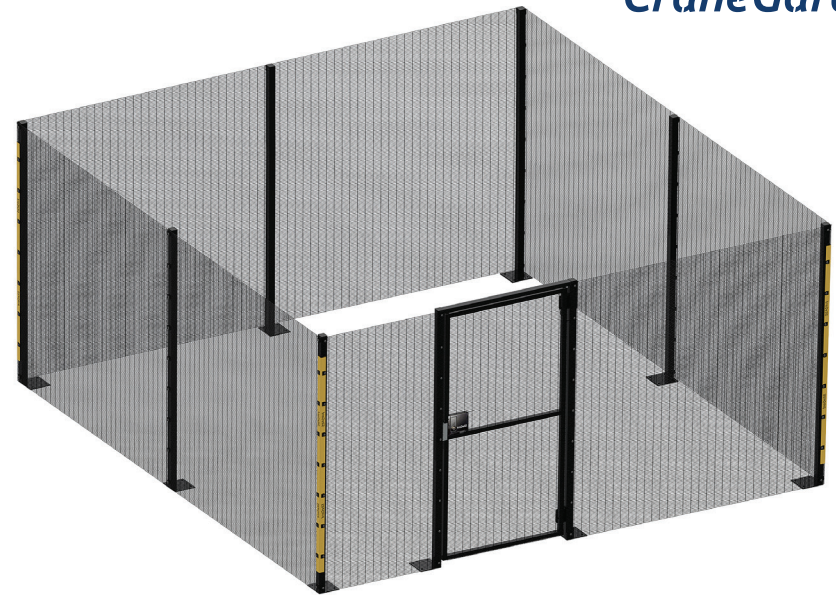
New To The SiteGard Range

The SiteGard range has been developed to address the need by contractors for a high-quality temporary site gate. It needed to be **approved for temporary works**, be backed up by **design calcs, look good, last the life** of the site, and be **rapidly deployed on site** even on the same day.

Joining the SiteGard range is CraneGard, adhering to these same core principles.

CraneGard provides easy to install, wind-tested, anti-climb protection around the base of tower cranes, creating a defined safety barrier for workers as well as preventing unauthorised access to the crane structure.

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Anti-Climb Safety Barrier With Clear Sight Lines

CraneGard's 2.4 meter high base-plated compound forms a formidable anti-climb barrier, thanks to the tightly spaced apertures of its powder coated 358 weld-mesh panels.

Unlike other surrounds constructed from timber hoarding, CraneGard offers **clear visibility** into the compound, enhancing safety, greatly **reducing wind-loading**, and enabling **360° visual maintenance inspections**.





Configurable Access Control

The 5.1m square enclosure allows for sufficient space for personnel to walk around the crane mast. In addition, the access door can be configured to **open either inwards and outwards**, to maximise the available space and fit the site layout.

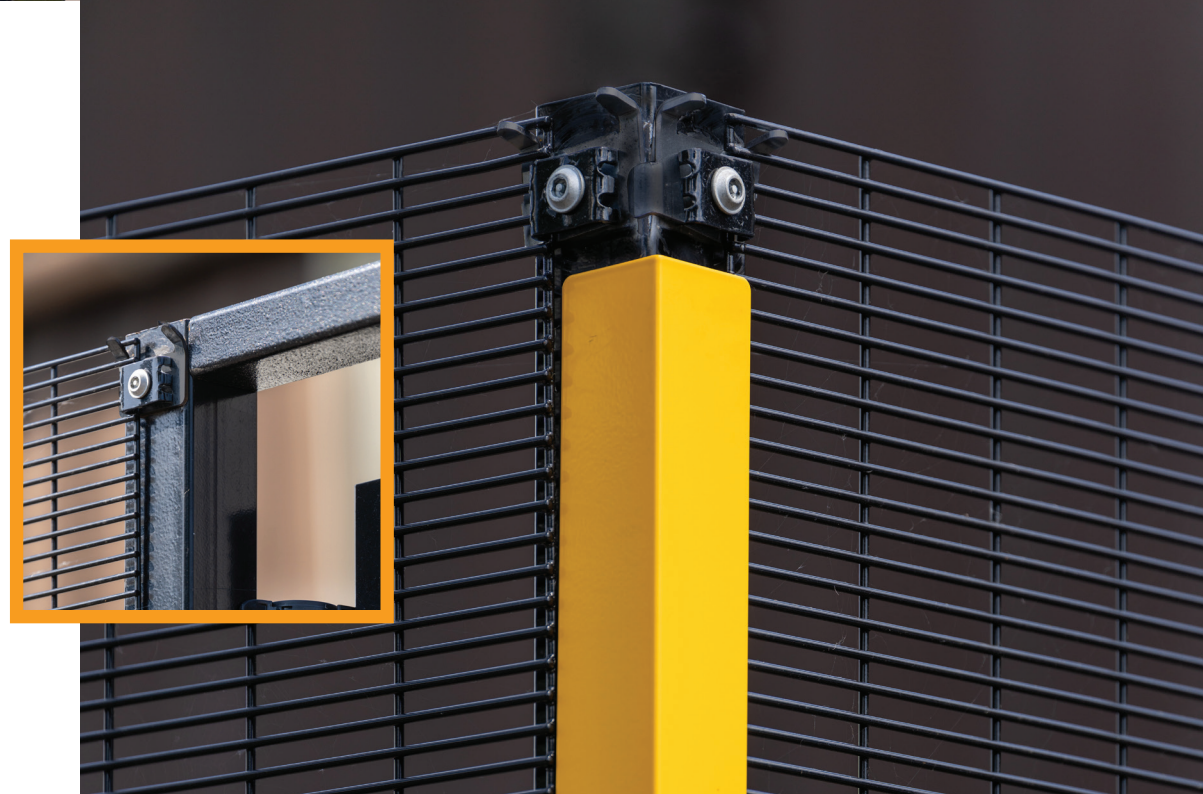
Access into the compound is facilitated through either a key lock or digital lock, fitting with a surround. A quick-release push-pad on the inside of the gate provides a safe, unassisted exit.

Easy To Install & Reuse

CraneGard is designed to minimize labour during installation. Each post includes a hooked clip insert, enabling the mesh panels to hang freely while being set up. This feature **eliminates the need for additional manpower** to hold the panels in place during securing.

Additionally, all clips use anti-tamper steel fixings.

The yellow corner protectors not only highlight the perimeter edges for better visibility but also conceal the ends of the mesh panels.



CraneGard Specification



1



2



3



4

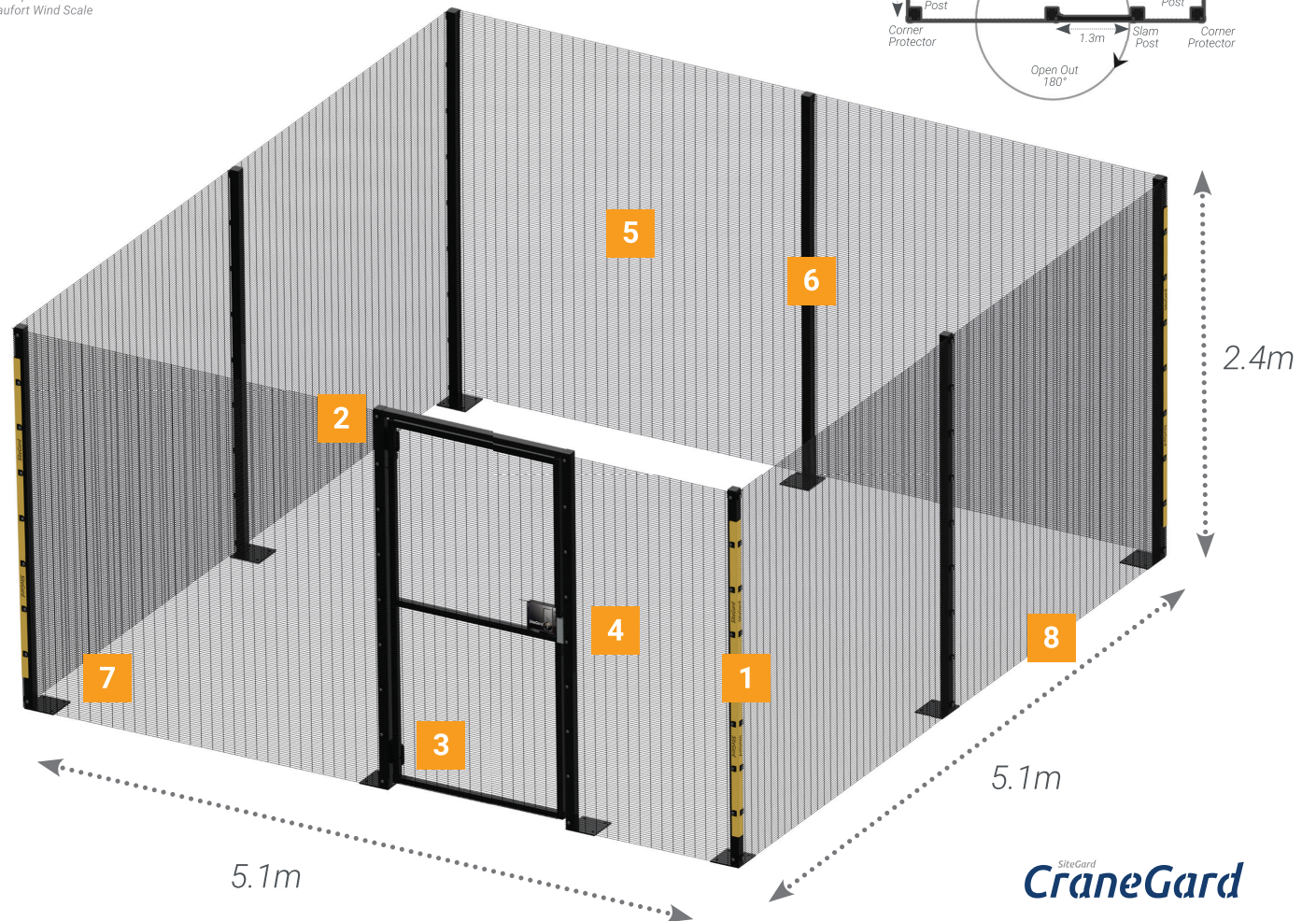
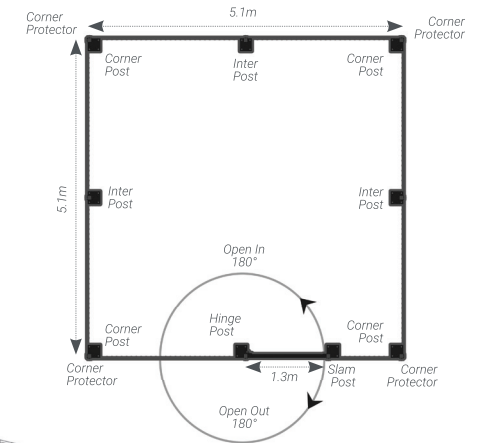
1. Metal Corner Protector, Clips and Hanging Hook
2. Access Gate With Reversible Self-Closing Hinges & Gate Restrainer
3. Anti-Climb Protection on Bottom Hinge
4. Lock Options: Key or Digital with Quick Release Push-Pad
5. Mesh Panel: Mesh Size 12.5 x 76.2mm - 4mm Wire
6. Post Size: 60 x 60mm SHS with 200 x 200mm Base Plates
7. 200 x 200mm Base Plates
8. The Perimeter Can Be Extended With Additional Panels & Posts



Tested up to force 9 on
Beaufort Wind Scale



Powder
Coated



Lock Options



Digital Lock
& Push Pad



Key Lock &
Push Pad

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Our aim is to be the best. Nothing less. Since 1986 we've held tightly to that ambition.

Job by job, rain or shine, with expertise, energy, and innovation, we've earned customers' trust. Setting the standard in our industry for quality and craftsmanship. And backing it up by stop-at-nothing service and support.

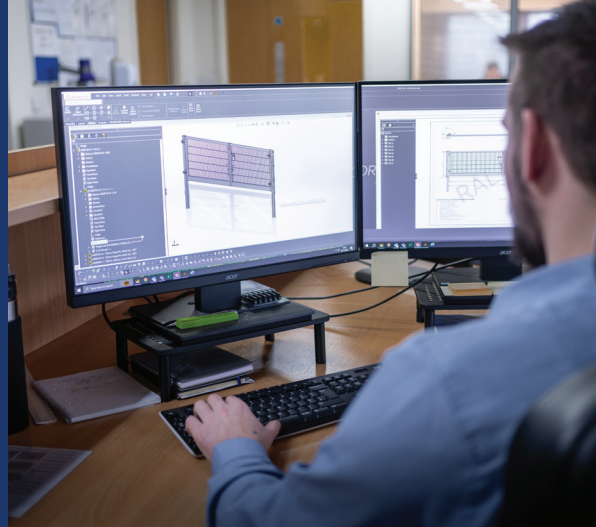
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To Safeguard Your Reputation





Since 1986 Alexandra has worked to provide a complete range of products and be recognised nationally as the best supplier of perimeter safety and security systems in the UK



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