

# EnviroFence™

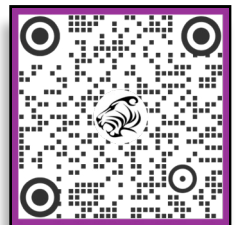
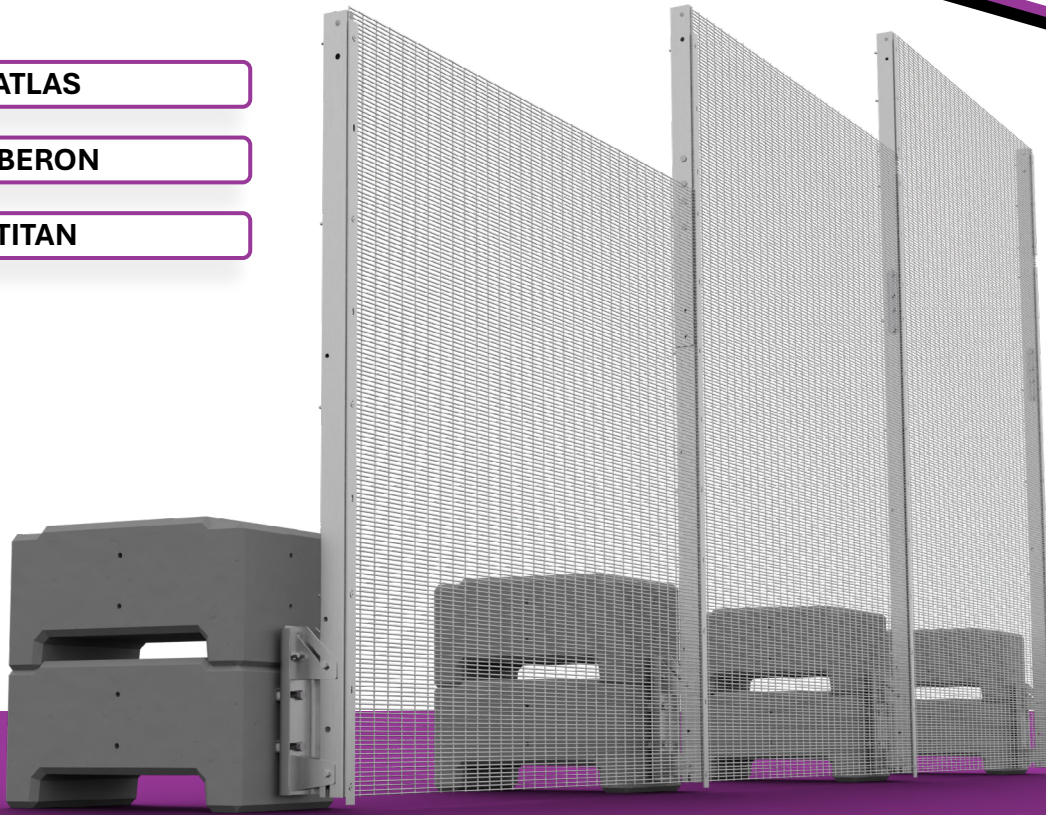
UK's First Net Zero Verified Temporary Fencing System



ATLAS

OBERON

TITAN



Want to know more?

EnviroFence™ is the first Temporary Fencing System in the UK to have been certified Net Zero Carbon. Installations are supported with site-specific carbon embodiment reports to support project decarbonisation reporting.

The patent-pending EnviroFence™ system is a robust, purpose designed system that offers significantly increased robustness and security compared to lightweight temporary mesh fencing (aka 'Heras' type systems) and greater economy than hoarding when a solid barrier is not required.

TWf2024:01, the new guidance on 'Lightweight temporary open mesh fencing' from the Temporary Works Forum states that Heras style fences are "typically suitable for short term demarcation of a works area but have limitations. Should the requirement for demarcation also need to provide security, personnel/ pedestrian/ crowd loading resistance, edge protection, longer duration, or impact provision then an alternative should be considered".

EnviroFence™ is engineered to achieve permanent fence standards of BS 1722-14:2019. It is designed to resist Wind and Personnel loading and is configurable in a range of heights, mesh types and kentledge options to achieve Category 2 (Boundary Fence), Category 3 (Security fence) and Category 4 (Higher security fence) resistances.

As well as being NetZero carbon, the use of EnviroHoard offers further climate positive benefits on the shape of tree planting for every meter installed. Uk charities and trees for cities, will be planting trees for every meter of EnviroHoard installed throughout the UK. They are the only UK charity working

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## Sustainability

The wider construction industry has a big impact on the environment and faces many sustainability challenges.

EnviroFence™ aims to support the efforts of main contractors who are already taking their own actions to reduce carbon footprint and also aims to inspire more small and medium size subcontractors to follow this lead.



**Recycled Materials**  
100% Post Production uPVC



**Recyclable**  
Closed Loop Recycling



**Reusable System**  
100% Reusable Design



**Multiple Fixing Methods**  
Flexible & Modular System



**Contract Hire**  
Flexible Hire Options



**Outright Purchase**  
Invest & Save on Next Project



**Corporate Branding**  
RAL Colour Matching



**Creative Graphics**  
Design, Print & Installation

## Operational Benefits

### TWf2024:01 Compliant

- ✓ Designed with Temporary Works procedures and requirements in mind, EnviroFence™ can resist high winds and pedestrian loadings up to 0.74kN/m whilst achieving a Factor of Safety (FoS) of 1.5 against sliding and overturning.

### Height Options

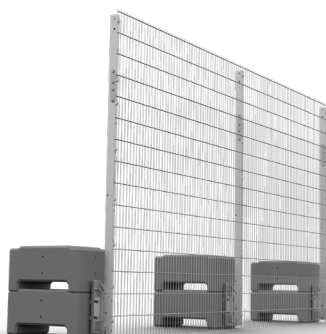
- ✓ Choose between 2.4m, 3.0m, or 3.6m standard options to find the ideal perimeter protection for your project's needs.

### Support Options

- ✓ Fixed directly to our low carbon 350kg EnviroBloK™, choose from a range of weighted proprietary options or secure to the ground using Spirafix™ ground screws.

### Cost-Effective

- ✓ With 100% reusable components, our fencing system offers long-term value, reducing waste and creating a closed-loop system.



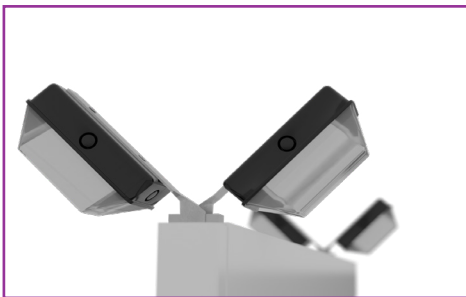
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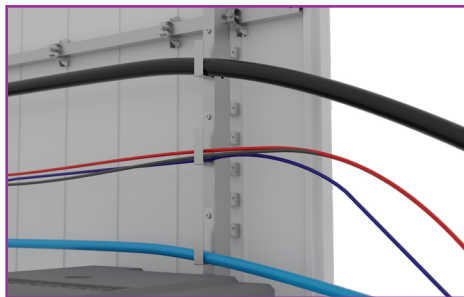


## Systems features/ enhancements

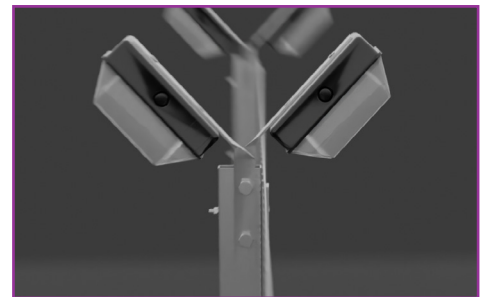
EnviroFence™ systems can be further enhanced with lighting, cable management, a variety of topping options for enhanced security and pedestrian and vehicle gates for secure access.



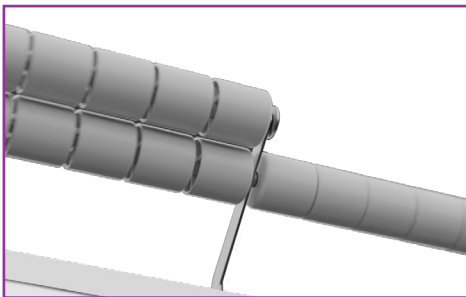
110v LED or mains-free lighting



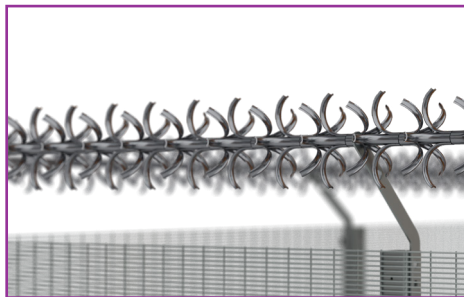
Cable support management



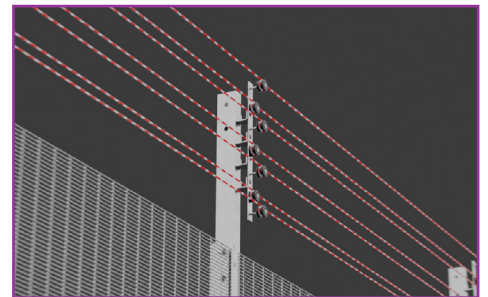
Bespoke cranked or straight lighting brackets



Single/Double Roller uPVC anti-climb roller



Aluminium spiked anti-climb roller



E-Pulse  
Low voltage electric fence



Perimeter Intrusion  
Detection Systems



Single and double  
pedestrian gates (PIDS)



Standard vehicle gates  
4m to 8m opening

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## Support Options

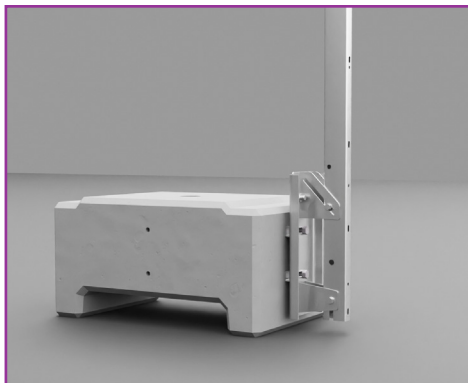
EnviroFence™ comes with a choice of support options to cater for different site conditions, duration system would be installed for and sectors it can be used in such as construction, events, and high-risk applications such a national infrastructure site.

The choice of support option would also depend on the type of pedestrian load you want your temporary fence to meet.

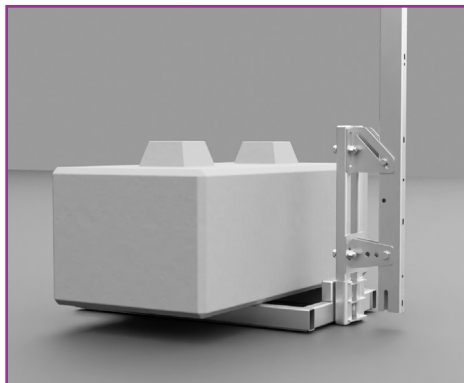
Our patent-pending ground support frame is a multi-purpose part of the system that can be used to support all ranges of the EnviroFence™ system. If installers or clients already have their own concrete blocks, they can be utilised by simply placing on top of the frame.

For projects looking for the lowest carbon solution we recommend using Spirafix ground screws which are designed to be driven into the ground through the ground support frame. This solution includes full on-site testing and reporting.

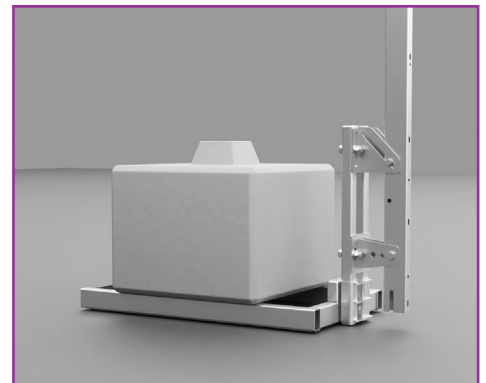
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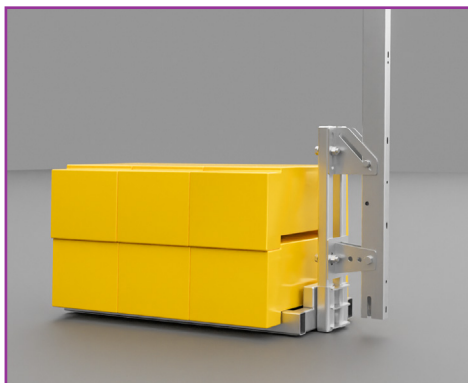
Fixed directly to 350kg or 800kg low carbon concrete blocks



Ground support frame utilising one of the following



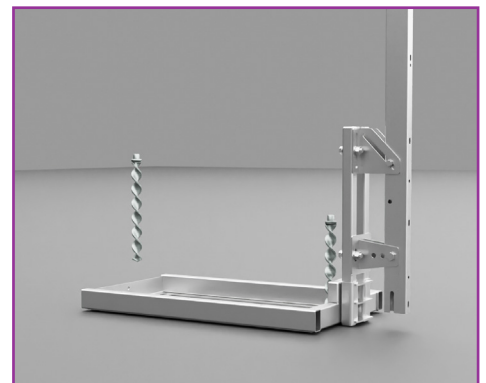
Proprietary concrete blocks (client may own)



50kg concrete filled weights



Water IBC



Spirafix ground screw



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## Netting & Signage

We are pleased to offer Debris Netting and Perforated Signage solutions specifically designed for use with the EnviroFence™ Atlas system, supported by Temporary Works Designs to ensure maximum safety and regulatory compliance. Unlike traditional Heras-style fencing—which is notorious for toppling in moderate winds and has been criticised by the Temporary Works Forum for external site demarcation—EnviroFence™ Atlas is purpose-built to safely manage the additional loads from netting and signage.

Using debris netting or perforated signage with Heras style fencing poses significant safety risks, as its structure cannot adequately handle wind forces or crowd loads. In contrast, EnviroFence™ Atlas is engineered for exceptional stability and reliability, setting a new benchmark in temporary fencing systems. It can safely accommodate increased loads while maintaining a pedestrian load capacity of 0.74kN/m, providing confidence for site safety.

For applications where continuous signage or banners occupy the full height of the fence, it may be necessary to consider the fence as solid, factoring in end effects and wind load assessments. With EnviroFence™ Atlas, these challenges are addressed without compromising safety or performance.





## The Superior Alternative to Heras Fencing

Based on temporary works forum guidance Heras style fencing is no longer deemed fit for purpose for external demarcation. EnviroFence™ directly addresses these limitations:

1. **Improved Wind Resistance**

- ✓ Heras fencing is typically only stable in gusts of 20–25 mph, depending on foot positioning. EnviroFence™ surpasses this with enhanced structural integrity and wind resilience.

2. **Adaptability to UK Weather Conditions**

- ✓ With the UK's average wind speeds ranging from 11–22 mph, and gusts often doubling these values, EnviroFence™ is designed to maintain stability without compromising on safety.

3. **Compliance with Regulations**

- ✓ Adheres to BS 5975:2019 guidelines, which limit working operations to gusts of 18 m/s (40 mph). This ensures compliance with industry standards, even in challenging conditions.

4. **Crowd Load Handling**

- ✓ Unlike traditional mesh fencing, EnviroFence™ is designed to account for significant crowd loads, including pedestrians leaning or pushing, providing a secure solution for public safety.



**0345 165 1234**

**[www.pantheragroup.com](http://www.pantheragroup.com)**

### Disclaimer

EnviroFence™ should be installed in accordance with the site-specific designs produced for the project. We have taken care to ensure the information on this data sheet is accurate at the time of publication. Panthera Group Ltd reserves the right to change product specification at any time. Please ensure that you have the latest information which can be found on our website or by contacting our team.