



Trident Jakoustic 3 with Rota Spike® topping

## Security update for an urban Data Centre

**Jacksons  
Fencing**

### Key challenge:

The upgrading of a telephone exchange to create a dedicated data centre necessitated a review of existing perimeter protection and access control products to meet the increased security requirements of the site.

Cyber security remains a critical priority for any data centre but protecting this type of sensitive site from physical attack is also of paramount importance to ensure the continued safeguarding of the facility.

### Products featured:

- Trident Jakoustic 3 - High security timber & steel mesh barrier system with acoustic properties
- Trident Xtreme 3 - High security vertical bar & mesh combination fencing system

### Project:

Deliver a complete review of the existing perimeter protection and upgrade the facility to meet the increased security needs of the site, mitigating against any physical attack to create a strictly controlled high security data centre.



Trident Jakoustic 3 around perimeter



Trident Xtreme 3



## Solution:

Recognising the security implications of the upgrading to data centre status, the architects involved in the redevelopment of the site contacted Jacksons Fencing, largely due to the company's proven knowledge, experience and expertise in delivering tested and certified physical perimeter protection solutions for higher security sector applications.

The data centre was well protected on two sides by adjacent buildings but the site remained vulnerable on the other remaining aspects. In addition to providing protection and resilience against a range of threats and attacks on the perimeter employing hand and portable power tools, the perimeter protection was also required to blend into the local landscape and minimise the impact of noise from the site.

Trident Jakoustic 3 was employed on the side of the site that is public facing to deliver the aesthetic appeal of a timber fence balanced with the structural integrity of a high security fence that boasts established noise reduction qualities. The sandwich construction comprises two facings of interlocking 'V' timber boards interlined with a layer of high security steel mesh. The interlocking 'V' coupled to a tongue and groove creates a unique design that eliminates gaps through which sound can travel. The totally flat attack face, steel mesh lining and combination of dissimilar construction materials results in a fence that is difficult to scale or penetrate.

Trident Xtreme 3 high security fencing was installed on the side of the data centre facility most vulnerable to attack. It's welded semi pale-through-rail steel construction and provides highly resistant line of defence designed to deter and deny access to by potential intruder. The completed project allows the new data centre to operate secure in the knowledge that the tested and certified perimeter security solutions will be protecting their site and assets, 24/7, 365 days a year.



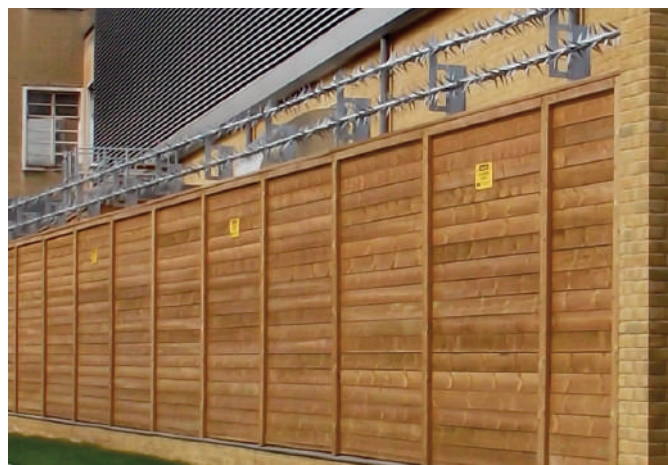
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Trident Xtreme 3 with Rota-Spike® topping



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Trident Jakoustic 3

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