

CASE STUDY

PROJECT:

Site security and dedicated
area delineation

SITE DETAILS:

European Data Centres

PRODUCTS:

Oaklands Barrier Systems



A Key Partner for Data Centre Protection

The Challenge

Data centres operate in a high-pressure environment where uninterrupted performance is critical. As demand for data storage and processing continues to rise, these facilities face increasing challenges related to security, infrastructure expansion, and environmental protection. Safeguarding sensitive equipment and maintaining operational continuity require robust, adaptable solutions that can evolve alongside the facility.

One of the primary concerns for data centres is security. Unauthorised access poses risks not only to physical assets but also to sensitive information. Effective protection relies on strong access controls combined with physical barriers that deter intrusion and minimise damage. At the same time, construction and upgrade phases introduce additional complexity. During these periods, operators must clearly define safe zones, manage hazards, and maintain efficiency without disrupting ongoing operations.

Environmental factors further complicate operations. Data centres house delicate equipment that must be protected from accidental impacts and external threats. Even minor physical disruptions can lead to costly downtime, making durable protective systems essential.

Solutions Implemented

Oaklands has established itself as a trusted provider of barrier solutions designed to meet these challenges. With a long history of delivering high-quality plastic barrier products across Europe the company has developed a strong reputation for reliability and innovation. Its approach focuses on understanding industry-specific needs and offering solutions that integrate seamlessly into complex operational environments.

For data centres, Oaklands offers various barrier systems tailored to enhance safety, security, and efficiency. These products are engineered using premium-grade materials, ensuring durability and resistance to wear and tear. Their lightweight construction allows for quick installation and easy repositioning, enabling operators to adapt layouts with minimal disruption; an important advantage during expansions or maintenance work.

A key strength of Oaklands offering is versatility. Their barriers are highly visible and customisable, making them ideal for defining walkways, securing restricted areas, and creating temporary enclosures. This visual clarity is particularly valuable in busy environments where clear guidance helps reduce risk and improve workflow.

The modular design of their systems adds another layer of flexibility. Interlocking components allow systems to be expanded, reconfigured, or relocated as operational needs change. This scalability is especially beneficial for growing data centres, where infrastructure and safety requirements are constantly evolving.

Ease of use is also central to their design philosophy. Products are intuitive to assemble, require minimal maintenance, and are portable enough to be deployed across different areas or sites. This user-focused approach helps streamline operations while maintaining high safety standards.

Sustainability

In addition to performance, Oaklands Plastics places strong emphasis on sustainability. The company employs a true closed-loop manufacturing processes to minimise waste and maximise resource efficiency. Recycled materials are incorporated into production, and surplus materials are reused, reducing environmental impact. Energy-efficient practices further support the commitment to lowering carbon emissions.

Durability also contributes to sustainability. By producing long-lasting products, Oaklands helps reduce the need for frequent replacements, lowering overall material consumption. The company also encourages customers to adopt responsible practices, promoting recycling and proper product use.

Through its combination of innovation, practicality, and environmental responsibility, Oaklands, has become a key partner for data centre operators. Its barrier solutions not only enhancing safety and security but also supporting efficient, sustainable operations in an increasingly demanding industry.



Case Studies – Disclaimer: The safe deployment of Oaklands products will depend on site-specific factors and relevant regulations. It is important to follow the guidance in the Technical Specification Data Sheets.