

Petrol Station H&S Automation

Case Study - Nike Group - Shell Lightfoots Bracknell

Client

Nike Group - Shell Lightfoots
Bracknell

The Technology



The Bi3 PFS Solution

The Challenge

Nike Group required a solution to support safe and efficient operations at their 24/7 Shell Lightfoots forecourt in Bracknell during night-time hours. Reducing the need for on-site staff was a key objective, but this introduced risks around fuel theft, vandalism, and potential health and safety incidents. The challenge was to maintain full site security and operational control while enabling a move towards a more automated, unmanned overnight model.

Impact & Results

The implementation of the Bi3 solution enabled the site to successfully transition to a hybrid operating model, significantly reducing the requirement for overnight staff while maintaining high levels of safety and security. The site quickly realised a strong return on investment through:

- Lower staffing and operational costs
- Improved protection against fuel theft and vandalism
- Prevention of safety equipment tampering or loss
- Increased confidence in safe, unmanned operation

How It Works

The Bi3 Petrol Forecourt Solution (PFS) uses AI-powered analytics to automatically monitor and detect risk during unstaffed hours:

- **Person Without Vehicle Detection** – Identifies unusual presence on the forecourt
- **Smoke & Fire Detection** – Provides early warning of fire risks
- **Vehicle Overstay Detection** – Flags vehicles with suspicious dwell times
- **Removed Safety Equipment (Optional)** – Alerts if critical equipment is tampered with.

