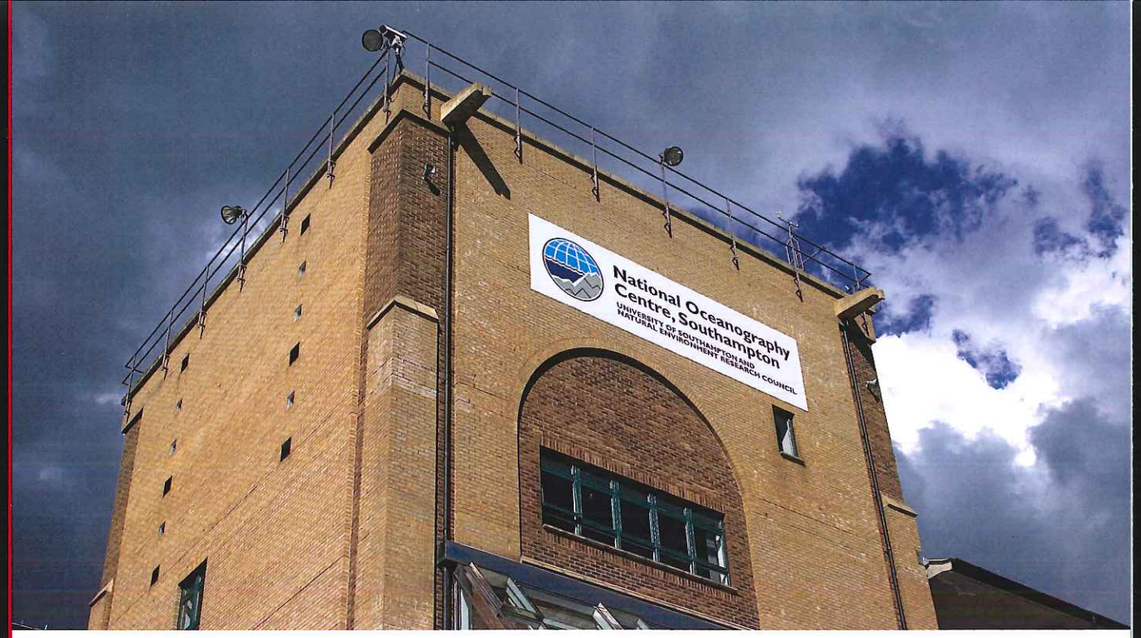
roadpixel

CASE STUDY PARKING & ACCESS CONTROL: HIGH SECURITY SITE



Based in Southampton, **Premier Fire Security** has built up a first-class reputation in the Fire and Security industry by successfully delivering high-quality customised projects to a diverse range of clients.

One of their established prestige clients is the **National Oceanography Centre (NOC)**. The **NOC** is a marine science research and technology institution based on two sites in Southampton and Liverpool, United Kingdom. It is the UK's largest institution for integrated sea level science, coastal and deep ocean research and technology development.

Across its two sites, the **NOC** is responsible for the global mean sea level data archive, the UK's sea level monitoring system for flood warning and climate change, the national archive of subsea sediment cores (British Ocean Sediment Core Research Facility), the National Oceanographic Library, which houses the nationally important RRS Discovery and HMS Challenger archives, and the UK's main facility for holding and distributing data concerning the marine environment.

Premier Fire Security were selected to install an ANPR system as the solution for their challenging car park management needs.

The **NOC's** Southampton facility is a busy site with around a 1000 users competing for spaces. Security staff were finding that the two on site car parks were often full when they shouldn't have been, which meant authorised visitors were struggling to park their vehicles.

After researching the options, **Premier Fire Security** proposed a **RoadPixel** ANPR system that would allow each user category individual access periods ensuring the car parks are used according to the site management rules. The main user categories are Students (the **NOC** is co-located with the University of Southampton), Staff, Contractors and Visitors.

***NOC** Car Park Entrance*

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BPA MEMBER OF THE BRITISH PARKING ASSOCIATION

With an entrance and exit at each of their two car parks, **Premier Fire Security** installed a multi-lane ANPR system with four RoadWolf ANPR Cameras adjacent to each of their existing entrance and exit barriers. The cameras were then connected to RoadPixel's ANPR PC in the Security Gate House which runs RPX-LIVE, RoadPixel's security and access control application. From here the onsite Security Manager is now able to control and monitor all car park traffic and use the ANPR system to provide an invaluable extra layer of security.

Through the use of a database made up of different groups (Staff, Visitors, Contractors & Students) all with different access periods, the ANPR system ensures that vehicles can only enter the car park during their designated periods. Categories or individuals such as a visitor or contractor can be given permanent access or a temporary *virtual permit* with specific access times and an expiry time and date.

The **NOC** is now completely in control of its car park and is able to interactively monitor all vehicles entering and exiting the site. As well as granting access to those vehicles they do want on site RPX-LIVE can also provide a security alert for any vehicle by means of a customised message.

RPX-LIVE also allows users to intelligently search the SQL-based event logfile complete with captured images and the exact time, date etc... for each vehicle entering or leaving the site.

The **NOC** use the data produced by RPX-LIVE in conjunction with the parking permit database, to calculate carbon emissions as part of their ongoing commitment to environmental responsibility.

A staff member at the **NOC** candidly commented "ANPR is notoriously temperamental (I have prior experience at my previous company) and the RoadPixel system seems to be behaving extraordinarily well in comparison to that one".

***RoadWolf** Dual ANPR Camera*

***RPX-LIVE:** Search by a full or partial plate, lane, date, time or database category*

With thanks to:
National Oceanography Centre - www.noc.ac.uk
Premier Fire Security - www.premierfiresecurity.co.uk

National Oceanography Centre
NATURAL ENVIRONMENT RESEARCH COUNCIL

Premier Fire Security