

Nedap's long-range UHF reader facilitates access control and asset management at Caravan Storage Site

Border Caravan storage is a storage location for 170 caravans, motor homes and trailers in the east of England. In order to minimize the risk of theft, the site is secured with a high fence. In order to track which units were on the site at a particular time, the access control system needed to be upgraded. Nedap's UHF readers are integrated to identify the caravans and trailers, besides the existing solution that identifies the drivers entering and leaving the site.



Border Caravan Storage, England

Located in Lincolnshire, near the Cambridgeshire, the east of England, you can find the Border Caravan storage. A family run business that offers storage for 170 caravans, motor homes and trailers. The company is established in 2006 and since then it has been run by Keith, Alison and Helen Rogers. The storage facility was awarded with the platinum standard for caravans, motorhomes, 5th wheelers, trailer tents, horse boxes, domestic trailers and cars. The Border Caravan storage is able to offer storage pitches of the highest standard.

Outdated access control system

In order to properly secure the stored caravans, the site is secured with a high fence. It goes without saying that a high security level is needed to make sure the risk of theft is minimal. Until recently, the Border Caravan Storage used an outdated access control system to control access. However, with this system it was not possible to track which units were on the site at a particular time.

Need to identify and register vehicles

Because it is very important to know which units are on the site, they used a manually operated display board which was prone to errors. That is why they decided to look for a reliable, renewed access control system in which vehicles were identified, but these entrances and exits were also registered.

Driver and caravan identification

Together with system integrator BTT Comms, the border management team decided to use an airlock system. Which means that vehicles have to pass through to two separate electronically controlled gates to enter or exit the site.

The existing drivers' access control fobs are used alongside Nedap's UHF tags, placed in the side window of the caravans for detection by Nedap's uPASS long-range reader.

How the identifying and registration process works

If a caravan passes through the first gate because the fob is identified and the driver is authorized to enter, the second gate will only open if the uPASS tag and the driver's fob are both detected and provide a valid match. This information is also relayed to a specially designed asset management system that keeps a real-time log of all units on and off the site.

Benefits new access control solution

This system is recognized by CaSSOA, the Caravan Storage Site Owners's Association, who confirm that the highest security level possible is guaranteed. This is recognized by insurance companies. Besides this, three other main benefits have been achieved by implementing the newest access control system:

- Simple and reliable means of monitoring the movement of caravans on and off the site;
- Long-range identification
- Reliable long-range tag detection avoids manual handling and reduces running costs;
- Enhanced security reduces insurance costs for caravan owners

"We are very pleased with the new system which provides information in real time and we now know which caravans and owners are on site at any time giving us total peace of mind."

Helen Rogers, Owner Border Caravan Storage