

## CASE STUDY: ACCOMMODATION

### GATE AUTOMATION

#### BRIEF

1. Remove existing swinging gates and automation equipment.
2. Provide an automatic sliding gate for vehicle access with a pedestrian gate for pedestrian access.
3. Design gates with a box section frame and wooden infill panels.
4. Allow a safety feature to allow people to access mailboxes without being harmed whilst the sliding gate is in motion.
5. Utilize the existing access control system.



#### SOLUTION

##### 1. UPSCALE

With ongoing issues with the underground motors being water-logged, no access for pedestrians and not enough space to access mailboxes due to the gate being open outwards. The client required a gate that takes less space, access for pedestrians in and out without using the main vehicle gates, access to mailboxes and no more water logged motors. Having contacted Ansador a specification was drawn up utilizing an automation system with a sliding gate for vehicle access and a pedestrian gate for pedestrian access.

##### 2. MONITOR COSTS

Collaborating with the client's department, Ansador automation engineers ensured that the existing access control system was utilized in the installation to reduce installation costs to the client. With gate and automation underway, the installation was carried out to the live environments ensuring delivery so as to minimize any disruption to the site.



## CHALLENGES

There were a number of challenges during the installation and with bad weather in January, our engineering team managed to push through the rain and complete the installation and the system was commissioned and handed over on schedule.



## 3. BESPOKE SYSTEM

With the residents using the mailboxes on a daily basis it was proposed that a safety function was integrated to stop the sliding gate from being operated if a residents hand was in the mailbox. A Laser curtain was the solution – when the light beam is broken this sends a message to the control panel to stop the gate from opening. Once this object had been removed, the control panel will pick this up and trigger the sliding gate as per normal.



## RESULT

1. Pedestrian and main vehicle gate installed to manage vehicle access and pedestrian access.
2. Existing access control system reused to reduce costs to the client.
3. Light curtain installed to use mailboxes in a safe manner.

## FACT BOX

### Systems Used



FAAC



SEA

### Service



Access Control



Safety Features  
BS: EN12453



Automation