

# High-End Residence

UK

## THE PARTNER

Darke & Taylor Ltd provides a full range of building services and engineering solutions to a wide variety of customers and clients.

They have over 50 years of experience with luxury residential, commercial, private and public sector projects across England. Darke & Taylor's technical expertise and commitment to quality make them a great choice for M&E installation projects. Darke & Taylor integrates systems and designs bespoke solutions to best meet each customer's needs.



## FAST FACTS

### LOCATION

West Oxfordshire, UK  
London, UK

### YEAR OF COMPLETION

2020

### APPLICATION

Access Control

### TECHNOLOGY

Mobile Access

### PROJECT SIZE

West Oxfordshire Residences: 30 residents  
London Office & Residence: 100+ employees

### SUPREMA PARTNER

Darke & Taylor Ltd

### SOLUTIONS

CoreStation: 9EA

Door Module: 1EA

XPass D2 Rev 2: 22EA

Airfob Patch: 6EA

## THE CHALLENGE

The customer wanted an access control system that would only require one credential for six sites across the south of the U.K. Mobile credential was a great solution, eliminating card and key replacement cost.

## THE SOLUTION

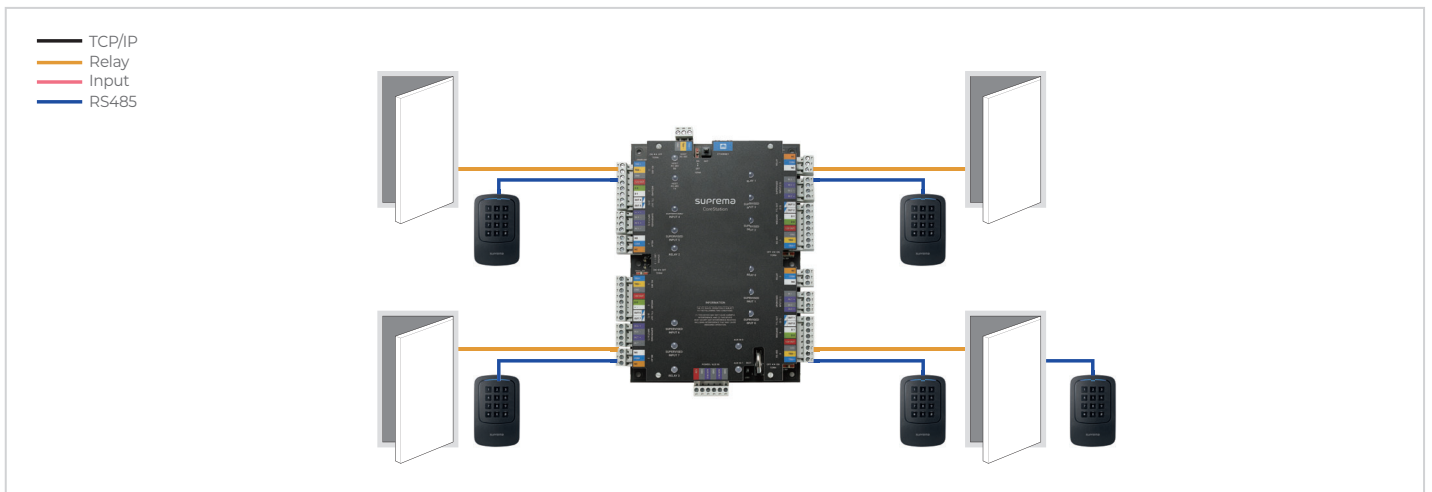
- A central security network was utilized to link multiple sites across VPN connections to allow the CoreStations to talk to the remote server.
- CoreStations used as controllers to keep RS485 connections and chains to a minimum and allowing large expansion capability in each location.
- Mobile credentials used to prevent employees from losing their credentials and creating a security risk. People don't generally lose their mobile phones, so this keeps the system a lot safer. Credentials can be issued to visitors before they access the location, eliminating the need to visit security to receive physical cards or fobs.
- Security is in multiple locations with access to the Biostar 2 software through the cloud, so they are able to open and close doors remotely, allowing the client to move freely between rooms and properties.
- Airfob patch was attached to the existing card reader to allow mobile credentials to be transferred into a Wiegand signal. This allowed us to house a small reader inside video entry panels to the property keeping the equipment to a minimum whilst keeping the entrance looking neat.
- Remote Gate needed to be added to the Access control system, which had minimal space inside the enclosure housing the panel. As a CoreStation wouldn't fit, we used a door module to connect back to RS485, allowing a smaller Power Supply Unit to be installed.
- Read in and out using two XPass D2 Rev 2 to allow security to see if there is anyone left on the premises. In the event of a fire, it can check everyone is safe using the roll call feature.



## KEY BENEFITS

- Centralised system for all sites, so employees don't have to carry around multiple credentials for different locations.
- Easy way for security to know where staff are in the clients portfolio properties.
- Easy enrollment and can be organized before new staff enter site, or visitors arrive.
- Confined 4-door solution in one box, minimising the space required for control panels.

## SYSTEM CONFIGURATION



**LEARN MORE ABOUT CoreStation:** [www.supremainc.com/en/hardware/ic\\_corestation.asp](http://www.supremainc.com/en/hardware/ic_corestation.asp)



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