



New CCTV system at Wales Ape & Monkey Sanctuary

# ABOUT US



Wales Ape and Monkey Sanctuary are located in the lovely Brecon Beacons National Park area of South Wales.

The sanctuary rescues and provides a home for many types of unwanted animals, especially primates, such as chimpanzees, baboons, mandrills, spider monkeys, vervets, capuchins, mangabeys and marmosets.

Although we specialise in the care and protection of primates we cannot stand by and see other animals in need of help. You will therefore find wolf dogs, horses, donkeys, cattle, pigs and others at our sanctuary. All are equally important members of our extended family.

Visitors are welcome to see the animals and the work we do. We undertake a number of rescues from zoos and laboratories where animals have suffered mistreatment and deprivation or are no longer wanted. As they are not equipped for survival in the wild we can only endeavour to make the rest of their lives as enjoyable and stress free as possible.



Touch Networks are a solution provider that focus on bringing the expertise and latest technologies together to deliver the objectives of their clients and continuously seek to build in niche value-added features, by specialising in the key areas of Telecommunications, IT, and Security.

Touch Networks implement end-to-end solutions and take a partnership approach directly with the client. Our ability to deliver projects through design, consultancy, project management and engineering has been proven on large scale projects in the manufacturing, Aviation, Education and Retail industries.



# REQUIREMENT

Throughout 2021 the owners continued to invest into the Sanctuary, and were busy installing additional enclosures for the animals, and extending the site to provide an even better experience for the animals and visitors alike. Whilst this work was taking place it was clear that a better CCTV system would be required, firstly to cover the additional areas, but to also provide clear colour images throughout the day and night.

Touch Networks were recommended by a staff member who had worked with us previously, offering us the opportunity for us to visit to survey the site to provide a proposal.

During the survey stage it was clear that there were challenges due to the layout and terrain, something Touch Networks had previously encountered on multiple projects and were well versed to deliver on. It was clear that to provide a solution that would stand the test of time, a full network infrastructure was going to be required.

# SOLUTION

## Fibre and Copper Infrastructure

To provide wide area coverage over rural terrain fibre links were installed to multiple points, providing gigabit connectivity to local cabinets. At this point external Category 6 cables were installed to each camera position

## Civils

To enable the installation of the fibre and copper network, the team at Wales Ape and Monkey Sanctuary installed 7m poles at the required positions for the installation of steel catenary wires to support the cabling.

## PoE Network

At each fibre location PoE network switches were installed to provide connectivity to the cameras. Each switch allowing for further expansion ensuring scalability.

## IP CCTV

A 32 channel NVR was installed with 12TB of storage providing 30 days retention of recordings. 22 external IP cameras were installed providing full coverage of the areas accessible to the public. An ANPR camera was installed in the main car park.

## Viewing Stations

For viewing 2 large display units were connected in the main office, with further viewing access through the client software and mobile app.

# SOLUTION BENEFITS

4K images across the site giving crystal clear images

ANPR technology to monitor vehicle movements

Colour images at night, providing true 24x7 coverage

Versatile monitoring through directly connected devices or cloud access

IP solution, future proofing the Sanctuary's security

Scalability, room for expansion as the Sanctuary's requirements continue to evolve.

Brand new cabling infrastructure across the site both copper and fibre



# SUMMARY

“We thoroughly enjoyed this project due to the nature of the site and the challenges it brought us. It was a genuine pleasure to work for, and with the staff at Wales Ape and Monkey Sanctuary. The project plan was executed exactly as we intended with a collaborative approach, and we trust the system has met the expectations of the Sanctuary owners.

Neil Parry, Touch  
Networks

