

Wireless CCTV Surveillance

Enhances Security
Across **Anglian**
Water Recycling Sites

CONNECTING YOUR WORLD

Introduction

Wavesight's wireless transmission technology facilitated comprehensive CCTV monitoring across Anglian Water's water recycling infrastructure in England. Serving over six million customers across 27,500 square kilometres, Anglian Water required robust surveillance solutions for their critical water recycling facilities. The deployment eliminated costly civil engineering works while maintaining the security standards essential for protecting vital water infrastructure from unauthorized access and potential security threats.

Challenge

- Implementing CCTV surveillance across 11 water recycling sites without extensive cable infrastructure investment
- Meeting Home Office security standards for critical water infrastructure protection
- Avoiding high civil engineering costs associated with traditional wired CCTV installations across expansive facility grounds
- Ensuring continuous monitoring capability for facilities handling wastewater treatment processes serving millions of customers

The Solution

Red CCTV deployed fixed HD camera systems at 11 water recycling centres across Anglian Water's operational region using Home Office approved cameras with advanced video analytics capabilities. Wavesight's industrial-grade wireless transmission technology provided reliable connectivity between surveillance cameras and local control rooms, eliminating the need for expensive cable trenching and installation work. The wireless network architecture incorporated secure data transmission protocols essential for critical infrastructure monitoring while supporting real-time video feeds and advanced analytics functions.

Results & Benefits

- Cost-effective surveillance deployment achieved without disruptive civil engineering works or cable laying operations
- Home Office compliant security monitoring established across all 11 water recycling facilities
- Reliable wireless connectivity ensured continuous surveillance capability for critical water infrastructure protection
- Scalable network architecture supports future expansion and additional monitoring requirements across Anglian Water's extensive operational area

Conclusion

Wavesight's wireless transmission solutions enabled Anglian Water to achieve comprehensive security monitoring across their water recycling network while avoiding traditional infrastructure constraints. The successful deployment demonstrates how advanced wireless technology can meet stringent security requirements for critical water infrastructure, supporting operational resilience and regulatory compliance across England's largest geographical water company.