

# Permanoid

## Case Study



### About

Permanoid operate a cable manufacturing facility in Manchester where they have been building on their extensive experience in cable design and manufacture since 1939. From equipment wires to complex multi-component composite cables, Permanoid deliver one of the finest ranges of cabling solutions available, to clients from the electrical, electronics, home entertainment and construction industries both in the UK and overseas.

Their Manchester premises are multi-functional and includes the company's manufacturing plant, warehousing, operational and support areas.

**Industry:**  
Manufacturing

**Location:**  
Manchester

### The Brief

The site had a number of legacy standard definition analogue CCTV solutions which included cameras located out in the field and connected back to a central system in the main office of the building. Permanoid required a more modern, high definition solution that improved coverage of their premises.



## The Project

Sudlows' IP Technology team designed a new IP CCTV system which included the installation of an advanced Hikvision IP VSS (CCTV) system with 14 separate cameras.

The central equipment consisted of 1 x NVR (Network Video Recorder) which can be accessed via a web-based client connected to three HPE 1920 Switches located across the site.

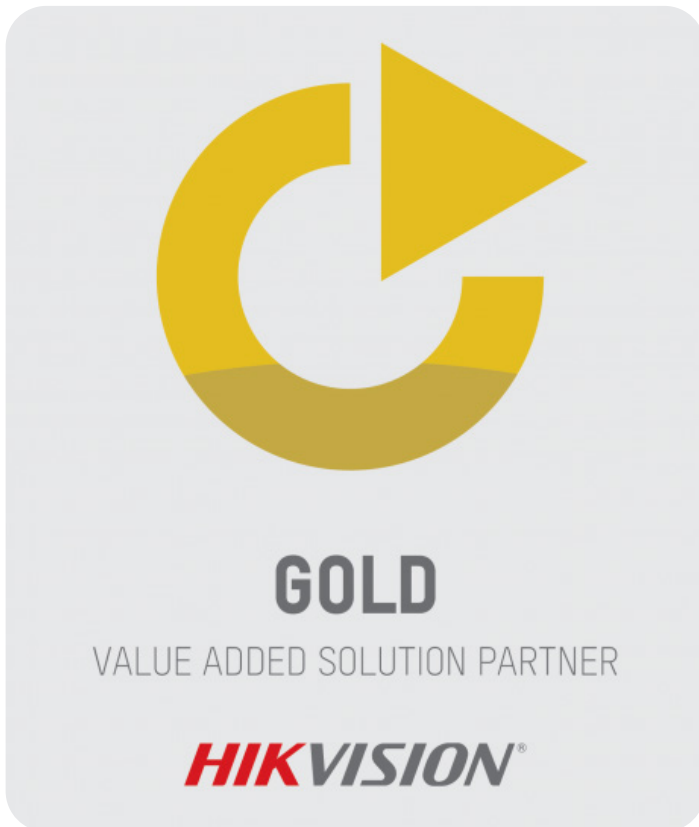
This project also included the installation and testing of 14 single Category 6 outlets to ensure dedicated connectivity for the new high resolution camera images.

In order to meet the coverage requirements in the various locations, Sudlows designed the system to use four different types of cameras to guarantee comprehensive coverage of every location around the business compound.

All cameras are connected to a 32 channel embedded 4K NVR with 30TB storage.

## Camera Summary

- 1 x 2MP WDR Vari-focal Network Dome Camera
- 9 x 2MP Ultra-low light Varifocal Bullet Camera
- 1 x 4 lens set of 5MP EXIR Flexible PanoVu Network Camera
- 3 x 8 MP PanoVu Series Panoramic Dome Camera



## Conclusion

The new IP CCTV system installed now provides Permanoid with high resolution imagery and improved area coverage of their estate, giving them the peace of mind that the security of both the staff and buildings are protected.

## Testimonial

David Clarke, Technical Manager, Permanoid commented;

“Sudlows' IP Technology team designed and delivered an outstanding new CCTV system which will further enhance our robust security protocols and provide comprehensive high res image coverage of every asset within our operations.”



CRITICAL INFRASTRUCTURES



ENTERPRISE SERVICES



FIBRE SPECIALISTS



ELECTRICAL SERVICES



BUILDING SERVICES



FACILITIES MANAGEMENT