

## Improved surveillance with HD IP solution

### LILIN IP installed at leading waste management company

R.J. Roe & Sons has specialised in finding environmental and cost effective solutions for all jetting and liquid waste streams since 1953.

**Having built up a diverse fleet of specialised vehicles and a highly trained and experienced workforce, R.J. Roe & Sons provide environmental cleaning and waste management services to a multinational customer base of water authorities, port and local Authorities and utility and civil engineering companies; amongst others.**



**R.J. Roe & Sons Ltd**  
Chelmsford, Essex  
[www.rjroeandsons.co.uk](http://www.rjroeandsons.co.uk)

#### Results

- Secure access points throughout the site
- High quality images available to view or download
- Monitor all of site from multiple review points on the network
- Easily share incidents captured on video

#### The project

When R.J. Roe & Sons updated their CCTV system the specifications included extreme reliability, easy to operate, network based, centralised control and expandable to meet future needs. LILIN IP Video products were the ideal solution.

Project Skills Solutions, an approved installer of LILIN, were assigned the task of installing the new IP CCTV system for improved management of the site. The existing system was out of date and did not have the capabilities to handle the increased demands of the site, which had grown dramatically since 2011. R.J. Roe & Sons wanted to lease the system as it gave them the ability to upgrade, if required, cost effectively at a later date.

LILIN, with over 32 years of CCTV experience, were recommended to R.J. Roe & Sons through Project Skills Solutions to deliver the required network based security system.

#### The solution

The LILIN solution was designed around R.J. Roe & Sons need to strengthen security, monitor equipment and as much as possible secure its various access points. Project Skills Solutions and LILIN recognised these demands required an effective surveillance solution with the installation having a minimal impact on daily activities at the site.

Project Skills Solutions selected LILIN's 1080P IP iMEGAPRO network cameras for the installation. The LR7424X series were chosen for the high quality video images which were an important factor to R.J. Roe & Sons, who also wanted to view their CCTV images on smart devices.

The cameras were programmed by Project Skills Solutions before being taken to site to save time. Once on site they were then installed and focused.



*“The LR7427 HD 1080P IP cameras were chosen for the high quality images they provide”*

## Control of the system

### Challenge

- Outdated infrastructure at R. J. Roe & Sons
- Unusual site layout
- Cost effective solution was required

Due to the layout of the site it was cost effective to link some cameras wirelessly. A new Airmax bridge 5.1 GHz 802.11a/n outdoor CPE 16dBi Antenna was installed to transmit the two new rear of site cameras across external buildings. Also installed was a new 16 port 10/100 260 watt PoE switch which powers the cameras.

LILIN network cameras R. J. Roe & Sons are able to expand coverage further than the original system could provide. The installation went well and was completed without disruption.

### Solution

- Expandable to meet future needs
- Access to view images on smart devices
- Option to upgrade at a later date

### Products at a glance

- 10 x LR7424X 1080P iMEGAPRO IP Cameras
- 3 x Airmax Antennas
- 1 x 16 way PoE Switch

### For more information

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