

VT Live - vehicle based CCTV recording. Reduce your operational costs whilst improving safety and security.

1. Introduction

In the current financial climate saving money whilst investing in new equipment and technology is the default combination.

At Vision Techniques we aim to provide our clients with **safety, security and savings**. And we have evidence from around the United Kingdom of substantial operational benefits from installing **VT Live** to a fleet of refuse collection vehicles. **VT Live** will help meet contractual requirements, provide massive savings from operational budgets and create a safer working environment for vehicle operators through visibility at all times.

2. The case for VT Live

2.1 Improvements to standards of service & safety

- i) *Monitor performance to identify training and operational efficiencies*
- ii) *Share cross-departmental information instantly e.g. identifying pot holes, road markings, overflowing litter bins & illegal parking*
- iii) *Verify alleged customer complaints such as missed bins & spillage instantly*
- iv) *Record reversing manoeuvres for safety audits.*

2.2 Protection of assets & staff

- i) *Eradicate fraudulent insurance claims with instant review of footage*
- ii) *Reduce verbal abuse or assault of staff*
- iii) *Eliminate vehicle theft or vandalism*
- iv) *Monitor the safety of lone workers.*

2.3 Operational cost savings & improvements

- i) *Dispense with supervisors in many vehicles checking route collections. Centralise!*
- ii) *Dramatically reduce staff hours investigating insurance claims and complaints.*
- iii) *Identify excess waste for trade customers by identifying additional bin requirements.*



Craig Simpson Transport Manager of Rotherham MBC reports: "It's been a real benefit to the council. As well as increasing vehicle and crew safety, it's working to reduce claims made against us. Previously, the whole investigation process was impossible to conduct. But now we can monitor it and prove whether there was an issue or not."

3. What is VT Live?

VT Live is the very latest mobile multi-camera video recording system. It enables vehicle operatives to be protected, monitored and trained. **VT Live** streams live video footage from vehicle mounted cameras back to base using built-in remote connectivity. With **VT Live**, operators can instantly review live & pre-recorded footage over a secure dedicated network - offering unrivalled crew protection. The system has a built-in system health check which alerts operators if there is a fault with any of the vehicle mounted cameras and ensures critical incidents are not missed due to a non reported fault.

4. The Facts & Figures

The following information and costs have been provided from local authorities that have benefited from **VT Live**. The majority of these costs would once have been included in a yearly operational budget and have since been almost eradicated.

4.1 Accidents & Incidents

- average cost of a potentially fraudulent insurance claim that can't be disproven £ 2,300.00
- internal costs for incident investigation (15 hours per incident at £ 50.00 per hour) £ 750.00
- an average fleet would experience approx 3 alleged incidents per vehicle per year.

Total cost of potentially fraudulent claims per vehicle per year **£ 6,900.00**

Even if a driver is responsible for an accident or incident, rapid settlement without recourse to lawyers significantly reduces costs.



4.2 Breaches of Health & Safety and unsafe working practices

• average cost of minor 'reversing damage' repairs per vehicle	£ 400.00
• internal costs for accident investigation 4 hours per incident at £ 50.00 per hour	£ 200.00
• average cost of spot hire for replacement vehicle whilst work being undertaken	£ 850.00
• A fleet would average approx 6 incidents per vehicle per year.	
Total cost of reversing accidents per vehicle per year	<u>£ 8,700.00</u>

The above reversing accident information is based upon light damage and does not take into consideration more serious accidents including personal injury or death.

VT Live can be configured to quickly display every reverse manoeuvre that the vehicle makes so that the operational supervisor or health & safety manager can open the software and instantly view a selection or all of the fleet's reversing manoeuvres live or pre recorded. This provides rapid identification of unsafe practices which can be instantly addressed.

4.3 Personal injury costs

Have you ever experienced a personal injury claim from a vehicle operator which mysteriously had no witnesses? With **VT live**, an accurate witness will always be on hand to provide the facts of the incident. The typical associated costs are as below;

• full pay for 12 months	£ 24,000.00
• agency employee for 12 months	£ 16,500.00
• internal costs for incident investigation (20 hours per incident at £ 50.00 per hour)	£ 1,000.00
Total Cost of one personal injury claim resulting in 12 months' absence from work	<u>£ 41,500.00</u>

The above incident does not take into consideration any costs arising from compensation claims, prosecution or death in service and is based upon an average operator salary of £ 24,000.00.



The scenarios above are encountered all over the country. We have clear evidence that once **VT Live** has been installed on refuse collection fleets the attitude of the vehicle operatives significantly improves. This is due to awareness, supervision and individual empowerment.

Other identified areas for safety & savings include:

- out-of-hours vehicle security
- identification of fuel theft
- monitoring vehicle routing to reduce fuel use
- working hours and efficiency monitoring
- identification of illegal parking
- monitoring & notification of live vehicle weight to avoid penalty charges
- evidence against alleged property theft claims
- identification of illegally collected waste
- reduction of waste disposal charges for contaminated waste
- identification of sales opportunities for trade waste collection.

VT 'Live' – Cost Benefit Analysis

