



## Case Study



### On the road: Camtech delivers productivity improvements with ruggedized Motion J3500 tablet PCs to WDM Limited

#### Overview

**Region:** United Kingdom  
**Industry:** Highway survey and monitoring, asset management, highway maintenance, and manufacturing

#### Customer Profile

**WDM Limited** is the UK's leading manufacturer and provider of highway survey and monitoring equipment. WDM delivers a unique understanding of highway maintenance and asset management, offering a complete asset management solution supported by extensive experience and technical expertise. WDM is also the UK's largest survey contractor, serving all UK Government agencies and 90% of local authorities.

#### Business Situation

The outdoor, mobile environment of WDM's visual surveys required a hardware platform that was durable, visible outdoors and portable without compromising on battery life.

#### Solution

The WDM team of fully certified and experienced surveyors has been using **Motion® J3500 Tablet PCs** from Camtech for the past three years to monitor over 7,500 kilometres of footways, annually identifying critical areas which need attention.

#### Benefits

- Increased time savings, productivity and efficiency in the field
- Improved communication and collaboration
- Greater location accuracy in the field
- Screen visibility, even in direct sunlight
- Enhanced customer service

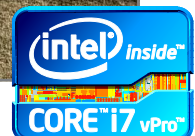
*"We use the tablet's GPS functionality to ensure the surveyors survey the right sections and then the GPRS to get the data off the computer and back to base, quickly and efficiently. It means WDM can deliver a quality report in a timely fashion, cost-effectively."*

Ian Cadwallader, Computer Services Manager, WDM Limited

WDM's visual surveys are an incredibly demanding application for technology. As the surveys happen outside and are performed on foot, they required a hardware platform that is durable, visible outdoors, and portable without compromising on battery life. This is all made the more challenging by the fact that visits to sites, and the time spent per visit, need to be kept to a minimum in an order to reduce costs, so productivity is critical.

After testing several devices, WDM chose the **Motion® J3500 Tablet PC** for its outdoor viewable screens and sharp graphics. The WDM team of fully certified and experienced surveyors has been using Motion J3500 Tablet PCs from Camtech for the past three years to monitor over 7,500 kilometers of footways, annually identifying critical areas which need attention.

The relationship between Motion, Camtech and WDM has been successful and the lightweight Motion tablets have proved to be competitively priced, reliable and flexible with reasonable delivery times.

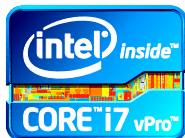
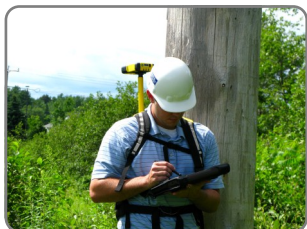


## Featured Partner



### About Camtech

Camtech Systems Ltd was formed in 2004 with the aim of being a professional computer sales and support company who always exceeds the expectations of its customers. Camtech Systems supplies and supports a range of high quality Tablet PC equipment. Camtech has a dedicated team of sales staff fully trained in mobile computer technology who are able to provide unbiased advice on a technical level about the company's entire range of Tablet PCs and



### Overview

[WDM Limited](#) is the UK's leading manufacturer and provider of highway survey and monitoring equipment. WDM delivers a unique understanding of highway maintenance and asset management, offering a complete asset management solution supported by extensive experience and technical expertise.

WDM is also the UK's largest survey contractor, serving all UK Government agencies and 90% of local authorities. WDM continues to develop pavement monitoring technology, set new industry standards and help clients and partners, both in the UK and overseas, achieve best practice. As part of this, WDM is also a major provider of visual inspection surveys to Local Authorities, including walked detailed visual inspections (DVI) and footway network surveys (FNSs).

### Challenge

Visual surveys are an incredibly demanding application for technology. Hardware platforms need to be durable, rugged, easy to use and able to integrate with a wide range of additional software.

As these surveys happen outside, the issues of screen resolution, clarity and reflection are key to productivity. In addition, because these surveys are undertaken on foot, the equipment must be portable and lightweight without compromising on battery life.

This is all made the more challenging by the fact that visits to sites, and the time spent per visit, need to be kept to a minimum in an order to reduce costs, so productivity is critical.

### Parties Involved

Formed in 2004, Camtech Systems Ltd supplies and supports a range of high quality Tablet PC equipment. Camtech is a UK value-added reseller for Motion Computing products and services.

### Solution

The WDM team of fully certified and experienced surveyors has been using [Motion J3500 Tablet PCs](#) from Camtech for the past three years to monitor over 7,500 kilometers of footways, annually identifying critical areas which need attention.

"We tried and tested a range of devices from various manufacturers," explained Ian Cadwallader, Computer Services Manager, WDM. "The main reason we chose Motion was that the screens were very good outside, with minimal reflection, and the graphics were sharp."

The Motion tablets are loaded with the accredited WDM® Walked Inspection Software (WIS), which has been developed in-house, to undertake DVI and FNS surveys. These are undertaken solely on foot, either

individually or in teams. Data is supplied back to the client electronically in either HMDIF or WDM Interchange format. The software includes digital mapping, with data input via touch screen.

"We use the tablet's GPS functionality to ensure the surveyors survey the right sections and then the GPRS to get the data off the computer and back to base, quickly and efficiently. It means WDM can deliver a quality report in a timely fashion, cost-effectively," said Ian.

### Technology

Designed specifically with the mobile field profession in mind, the durable, Windows 7-based Motion J3500 can handle harsh outdoor working conditions without the worry of damage or downtime. From field sales and services, government, healthcare to construction, the Motion J3500 enhances productivity by enabling businesses to take technology directly to the point of service.

Key features of the Motion J3500 Tablet PC include:

- 12.1" Screen (ViewAnywhere Display® and Gorilla Glass options available)
- Hot swappable batteries for all day use
- High specification for added performance
- Host of wireless options including Gobi™ connectivity & GPS
- Docking station for easy charging and office type setup
- IP52 rating (water / dust resistance)
- Easy grip, ultra-durable case
- Integrated 3MP camera (optional)
- The latest, efficient Intel® i3, i5 and i7 CPUs
- Capacitive dual touch capabilities
- Multi-touch, palm resistant technology

### Conclusion

The relationship between Motion, Camtech and WDM has been successful and the lightweight Motion tablets have proved to be competitively priced, reliable and flexible with reasonable delivery times.

WDM currently uses eight units from Camtech, with the most recent project involving six operators using six units to collect data from 2,500 kilometers of footway in Gloucestershire over a four month period.

WDM has also recommended the Motion tablets to several customers who need to record data in the field. "We have seen substantial results in terms of productivity improvements and will continue to work with both Motion and Camtech for the foreseeable future," said Ian.