

# Panasonic

ideas for life



## TOUGHBOOK IN ACTION. DERBY NHS TRUST IN PANASONIC TOUGHBOOKS.

The Derby Hospitals NHS Foundation Trust in Derbyshire in the UK runs two hospitals, the Derbyshire Royal Infirmary and the Derby City General Hospital. Providing a wide range of services from general medical, maternity and surgical care, to rehabilitation and accident and emergency treatments, the hospitals house 1,157 beds and serve a population of over 600,000 people in and around Southern Derbyshire.

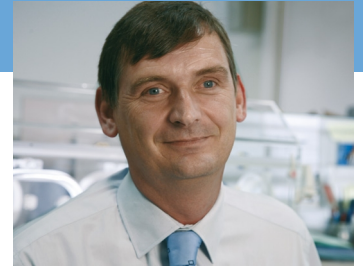
As part of a nationwide initiative, all NHS hospitals will be moving wireless, meaning that patient records that had previously been manually handwritten and sent to a central point for updating would now need to be recorded digitally. With very real risks of drops, bumps, spills and contamination, in both ward and community based visits, the Panasonic Toughbook CF-18 provides the perfect solution.



**TOUGHBOOK**

When it's worth doing better.

[www.toughbook.eu](http://www.toughbook.eu)



## TOUGHBOOK IN ACTION. DERBY NHS TRUST IN PANASONIC TOUGHBOOKS.

The Derby NHS hospitals needed notebooks that would allow a smooth transition to collecting patient information wirelessly. They would be used across numerous locations to electronically collect patient information and clinical data at the point of care for patients, as well as dealing with the administration and organising of this information. Although many of them would be used within the boundaries of the hospitals, they would also be used by community based district nurses, social care workers, occupational therapists and physio-therapists, so would need to have wireless specification as standard. In addition to the physical risks of drops and knocks, there was also the very real risk of spills and other contamination that the notebooks would encounter. Before the introduction of the Toughbooks all patient information collated at the Derby hospitals had been manually handwritten and sent regularly to a central point for updating patient records. This meant long-time delays in updating of information, as well as a duplication of data entry, so a notebook that provided portability, network connectivity, ruggedisation and versatility was needed.

### A RUGGED SOLUTION

Panasonic are the markets leaders in ruggedised mobile devices, so their Toughbook CF-18 models were the logical choice. Light and durable, they provide the durability and reliability needed by the NHS in the 21st century. All Toughbooks are put through rigorous checks and survive the harshest trials to test their capabilities in extreme conditions, meaning maximum uptime and productivity at lower cost of ownership. In addition to an ultra-strong magnesium alloy casing, all the Toughbooks are equipped with comfortable carry handles - which got particularly positive feedback from community based nurses at the Derby Hospitals, as they weigh just 2.1kg - the weight of an average handbag.

Provided with wireless LAN as standard, they can also be equipped to include Bluetooth<sup>®</sup>, GPS and GPRS inside the same rugged casing, meaning that community based staff have less peripheral items to carry along with all the normal day-to-day equipment. This is combined with Intel<sup>®</sup> Centrino™ Mobile Technology including Pentium, which enables staff from the Derby hospitals to have easy access to Electronic Patient Records either on the wards, in theatre or out in the community. The CF-18 Toughbook is the first notebook or tablet PC to have had its keyboard extensively tested with NHS solution bleach, allowing it to be wiped clean of any blood or bodily fluids. In addition, after several meetings and extensive feedback from key Infection Control Nurses, Panasonic redeveloped the screen-antenna covers so that the top-cover has no grooves, which enables easier and more efficient cleaning of the devices on ward rounds.

### FUTURE WITH TOUGHBOOKS

The first CF-18 Toughbooks were implemented across the Derby Hospitals in early 2006. Response has been positive, with few amends being requested and no failures to date. Initial feedback reports on the time saved due to reduction of duplication of information entry, quicker access to relevant information and less clinical risk. Plans are for the Toughbooks to be rolled out throughout all wards by 2009.



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