



West Suffolk NHS Foundation Trust Improves, Mobility, and Service with the ST590 Medical Cart Computer

West Suffolk NHS Foundation Trust

West Suffolk NHS Foundation Trust is an acute general hospital serving a population of 275,000 with 430 inpatient beds. It has a range of Sumo Technologies devices running throughout its campus providing digital signage for clinic locations, information screens, Theatres data entry and now on mobile carts in Day surgery and its Maternity unit. These solutions have been introduced within a range of IT initiatives to support the Trust in achieving its strategic objective of providing high quality, safe, effective and caring services.

The Challenge

The Trust has invested in computer on wheels technology for a number of years to support the use of IT systems in wards, theatres and clinical areas. As requirements have developed, it was identified that having a standard base unit and monitor fitted to a powered cart was not the most cost effective. The Trust's existing computer on wheels carts have also required a number of lead acid battery changes as the charge capacity has dwindled over the products lifetime, this has increased downtime waiting for service calls from the cart manufacturers.

The Solution

The Trust has been working with Sumo Technologies to introduce a medical grade all in one PC as a replacement to touch screens in its Operating Theatres. That unit has been well received, providing highly accurate touch capability based on infrared technology that has supported clinicians to enter data in a time precious environment. When the ST590 was released, providing integrated hot swap batteries changeable by the users or IT staff, the same design and touchscreen technology used in Theatres and at a price point that made it favourable when paired with a non-powered cart, the IT Department has been keen to introduce the hardware into its standard range of supported products.



The improved portability, battery life and performance of the Intel™ i7 processor based units has redefined the use of computer on wheels technology within the Trust.



The ST590 includes Device Manager software for comprehensive remote hardware management, such as monitoring, control, and updates. With up to 8GB of RAM, and up to 256GB of flash storage or a 320GB HDD option, the ST590 Medical Cart Computer is powerful and fast, and Microsoft Windows operating systems make it flexible to integrate with other 3rd party applications.

Results

The improved portability, battery life and performance of the Intel™ i7 processor based units has redefined the use of computer on wheels technology within the Trust. The IT Department has invested in the optional external battery charger provided by Sumo so that they can hold spare batteries in strategic locations ready for simple swap out should further use be required at short notice, or if battery charge capacity does decline in future allowing the Sumo ST590's to remain with the users all the time whilst consumables are serviced.

For more information about the SUMO Technologies Medical Computing Systems, visit <http://www.sumotech.com>
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About SUMO Technologies

SUMO Technologies develops and manufactures web-enabled information appliances for vertical applications. The SUMO Technologies family of products is based on embedded computing platforms for secure, reliable, and cost-effective computing. SUMO Technologies products include digital signage solutions, wireless tablets, point-of-service handhelds, compact modular systems, and display-integrated information systems. These systems emphasize mobility, wireless connectivity and touch displays. Powered by Windows® Embedded and Windows XP operating systems, SUMO Technologies devices offer durability and ease in integration, leading to solutions that can be remotely managed with the comprehensive Content Manager and Device Manager software. For more information, visit <http://www.sumotech.com>