

Wythenshawe Hospital

Case Study

*Datalogic Gryphon™
Handheld Scanner
Keeps NHS Patient
Records in Good Order*



The Wythenshawe is a public hospital in Manchester, a University Hospital which is part of the South Manchester NHS Foundation Trust. It is a major teaching hospital Trust providing services at Wythenshawe Hospital and Withington Community Hospital. The Trust is a centre for education and research.

The Challenge

The old manual, paper-based process of entering patient details was prone to error, which could cause problems further down the line. It was also time-consuming and could take time for doctors and nurses to recall patient details and to refill prescriptions.

Public hospitals in the UK are charged with introducing new processes and supporting technologies to improve patient care as well as reduce costs to ease the burden on general taxation.

The Solution

Staff at the hospital can now scan bar codes on the paper patient record, which then automatically brings up the patient's electronic record. The equipment was specifically configured and fitted at the hospital by bar code specialists Kelgray.

Darren Wildman, sales manager for Kelgray, said "Wythenshawe had already been bar coding files on their previous paper-based system and they wanted to use the same technology to eliminate the need for keyboard entry, in line with their new Patient Administration System (PAS), provided

under the National Programme for IT."

Kelgray worked closely with Wythenshawe to ensure that once data was bar coded, it would interface with the PAS and display in all the right fields on the system when scanned – allowing all authorised users to track and store patient data from any hospital PC.

Wildman added: "We were aware that Whythenshawe had several systems storing all different sorts of notes and we wanted to centralize these into one main record which can be brought up from any hospital location. We configured the scanners so that they would ensure that they pick up all keyboard data and marry it up with the central iPM system as appropriate."

South Manchester went live with iSoft's iPM PAS in December of 2007 which tracks patients from admission to discharge.

Martin Hobson, IT Infrastructure Project Manager explained: "The Wythenshawe Hospital now uses bar code scanners from Datalogic Scanning. Nurses, medical secretaries and other clinicians use the scanners connected to their PCs, to scan the bar codes on patient records, and this automatically brings up the patient's electronic record, completely doing away with manual data entry of details."

Customer Profile

Wythenshawe Hospital

Industries

Healthcare

Datalogic Products

Gryphon™ Handheld
Readers

Datalogic Partnerships

Kelgray

Geography

United Kingdom

“We chose Datalogic Scanning because of their reputation and the resilience of the Gryphon scanners. The scanners have worked without any problems at all. Datalogic and Kelgray did a great job supporting us with the programming of the scanners. We couldn't have done it without them.”

— Martin Hobson, IT Infrastructure Project Manager, Wythenshawe Hospital



About Datalogic Scanning, Inc.

Datalogic Scanning, Inc. is the recognized #1 worldwide leader in high-performance fixed position retail point-of-sale scanners and the #1 provider of handheld scanners in EMEA (Europe, Middle East and Africa), with the most complete line of general purpose and ruggedized handheld scanners available today.

Headquartered in Eugene, Oregon, Datalogic Scanning, a division of the Datalogic Group, serves multiple industries throughout the retail supply chain and distribution channel as well as manufacturing, government, healthcare, banking and finance sectors with a presence in over 120 countries.



About Kelgray

Kelgray is a leading provider of off-the-shelf and custom designed bar code labeling and data capture solutions.

Established in 1972, Kelgray has built an enviable reputation as one of the UK's leading suppliers of bar code, data collection, mobile computing and labeling solutions.

Based in Crawley in the UK, Kelgray is an authorized partner with all of the leading bar code and data capture hardware manufacturers and also has its own label converting facilities and manufactures its own print and label applying machines.

Originally founded as a label printing business, Kelgray quickly leveraged its knowledge of bar code applications to expand into data capture and mobile computing solutions. With a reputation for excellent levels of service and technical competence, Kelgray has developed a fantastic client list spanning major blue chips to smaller organizations, all of whom have developed long term relationships with Kelgray due to the excellent service and support they have received.

Hobson continued, “We chose Datalogic Scanning because of their reputation and the resilience of the Gryphon scanners. The scanners have worked without any problems at all. Datalogic and its Quality Partner did a great job supporting us with the programming of the scanners. We couldn't have done it without them.”

The Results

Kelgray say that by improving the accuracy, availability and speed of collection of data hospitals can benefit from instant access to patient records, faster throughput and traceability of items such as samples and x-rays and other assets.

Martin Hobson, IT Infrastructure Project Manager for Wythenshawe Hospital, added, “Now, we can track patients through their records on our Lorenzo IPM system right from the beginning until they are fully discharged.

Until all patient health records and case notes are fully electronic all NHS trusts will need to utilize and track the current paper based system as efficiently as possible. We also use the scanners to manage the location and distribution of the paper based patient records around the trust. This prevents records being 'mislaid', therefore providing more efficient patient care.”

Hobson continued, “The scanner itself filters two different types of bar codes so the information supplied to the application is correct. We would have had to manually re-label 10,000 patient records initially if this could not be done, and eventually over 250,000 if we had not had a viable bar code solution. Re-labelling would have cost a fortune, so the scanners have saved significant public money.”

Wythenshawe is one of the first hospital trusts to work in this way. Now, it is investigating ways in which the use of bar codes can be extended, to include patient wristbands and blood, to improve tracking.



About the Gryphon™

The Gryphon Desk handheld bar code reader series builds on linear and full imaging technologies. There are models for reading ID, PDF417 / GSI DataBar™, and 2D bar codes.

The optimized optics of the Gryphon™ series allow reading of the most popular standard codes with superior depths of field from near contact to over 45 cm / 14 ft (long range version). The Gryphon™ features Datalogic's patented “Green Spot” technology which ensures good read feedback on the bar code, which is especially useful in poorly lit, noisy and scan intensive environments.

Additionally, an ESD version is designed to meet the need for clean room/light industrial environments. Features include plug and play with enhanced multi-standard architecture, and is ergonomic and user-friendly for intuitive operation. Its modular design is open to upgrades.



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R40-0526-UK x2 0208

Datalogic Scanning, Inc.

Toll free: +1 800 695 5700

International: +1 541 683 5700

E-mail us at: scanning@datalogic.com

www.scanning.datalogic.com