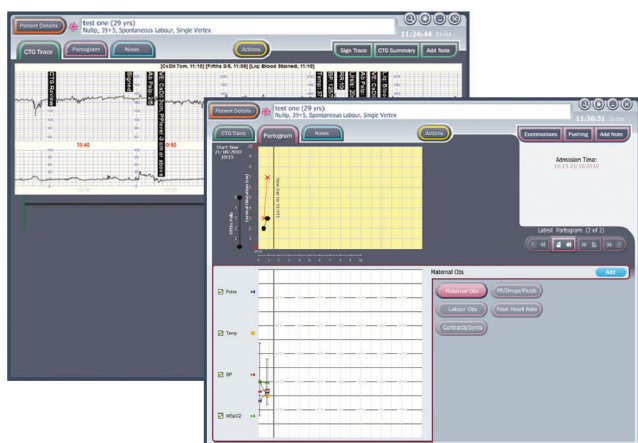




K2MS Guardian™ V2

Capture of the full electronic labour record.

Guardian™ provides the full electronic capture of patient information during childbirth including: CTG's, partograms, all labour events, outcome information, fetal blood sampling results and cord blood gas results direct from the blood gas analyser. This information can be shown in real time to enhance communication within and outside the delivery suite to improve patient care and reduce human error. The high integrity of Guardian™ data means that the audit reports it generates can become one of the main driving forces behind your governance quality approach to care. Guardian™ has been purposefully developed to a standard sufficient to withstand the rigors of the medical litigation process.



Clinician to Clinician Communication

Conventional fetal monitoring occurs only in the delivery room and it is up to the clinician at the bedside, often the most junior, to involve more senior staff at their discretion.

This over-reliance on junior staff has long been recognised as a problem leading to human error. K2MS Guardian™ will communicate all relevant clinical information outside the delivery room to senior staff who can review the patients on the labour ward routinely and efficiently. All information can be considered including CTGs, partograms, annotations, alarms and labour events.

This review could be from a central location, another bedside, or Consultant's office. The central station is also an important tool to manage shift changes and ward rounds. It means that only those offering direct care to the mother need enter the room. Consultants on call can review all case information from their homes, or indeed anywhere in the world, using K2 WebConnect™. K2MS Guardian™ provides a level of vigilance that helps reduce the risk.

Clinician and Mother Communication

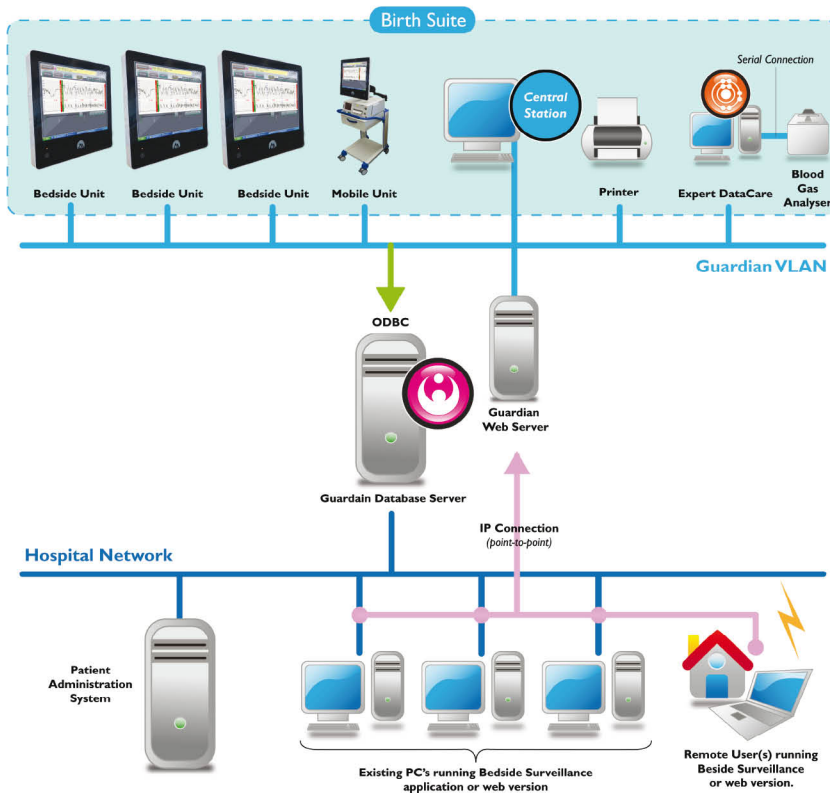
The K2MS Guardian™ system facilitates communication between mother and clinician by providing a focal point for interaction at the bedside. This means that the mother can become more involved in the management of her care. This advance has been made possible by our development of purpose built bedside hardware called K2MS Portal™. K2MS Portal™ is a sleek, ergonomic, robust medical grade PC with all electronics fully integrated. No need for an intrusive, cumbersome, heavy trolley which can give an over medicalised impression. Portal is easy to clean and has been designed to reduce the risk of bio-contamination

Medical Standards

K2MS Portal™ complies with the medical device standards and can be connected directly to any of the popular fetal monitors. As well as meeting the medical device standards for patient electrical isolation, it also meets the standard in terms of its resistance to the ingress of liquids, flammability rating and mechanical integrity CONVENTIONAL PCs DO NOT. K2MS Guardian's user interface has been designed with clinicians. It models current data capture and its presentation is familiar. As such, K2MS Guardian™ is intuitive. It requires little, if any, training to use. Designed by clinicians for clinicians.



Example Guardian System Hardware & Network Layout



Security and Audit using fingerprint technology

The K2MS Guardian™ system incorporates fingerprint recognition. This provides an audit trail of who entered or edited what, where and when. Fingerprint recognition is both more convenient for repetitive usage, as well as providing a very much enhanced level of security. The problem with conventional methods such as swipe cards and PIN numbers is that users will tend to swap IDs which is medico-legally unsound. With fingerprint technology you can have complete confidence in the audit trail.

Reliability

K2MS Guardian™ has been designed to be robust technically, such that no single fault can bring it down; not even if the server or network go down. Patient details can still be entered and central surveillance and dial-in will continue to function with no loss of performance. This enables us to be confident to guarantee an up-time of 99.9% per year.

Integration with other hospital systems

K2MS Guardian™ will interface to your patient administration system and obtain patient demographic information. This reduces 'double data entry' and makes attributing data to a patient more reliable by reducing the risk of transcription errors.

Audit and Reporting

Comprehensive reports can be printed at any time to detail the unit's delivery statistics, induction rates, Caesarean section rates, adverse events, outcome according to the 10 groups, cord blood gas data and more. These reports can provide the data to drive the governance quality of care process. Case reports including CTGs and partograms can be printed at any time and used to augment the patient's notes, if required. Reports can also be generated and sent for expert legal review. The actual CTG data can also be exported from the database and sent on a disc. With the review software, the experts can interpret the CTG in a prospective way similar to clinical practice which provides a 'level playing field'.

Blood Gas Data

K2MS Guardian™ communicates with K2MS Expert DataCare to obtain all fetal blood sampling results and cord blood gas analysis which are sent straight to the bedside and stored to the database. No transcription errors. Paired cord blood gas analysis, validated by Expert DataCare provides substantial protection from litigation.

Reduction of midwifery administration time

Clinical information is quick and simple to enter via our touch screen and because all interactions are authenticated using finger print technology there is no need to sign duplicate information in the notes. Data entry involves the patient which obviously improves contact time and is efficient. Data is entered contemporaneously so that there is no need to spend a long period of time retrospectively entering the data following the birth. Again, this time is better spent attending the mother.