

The London Clinic



European Electronic supply Ekahau RTLS which proves top choice for The London Clinic

Background

The London Clinic, one of the UK's most established independent hospitals has selected European Electronic, in partnership with Ekahau, to safeguard valuable medical equipment using its Real Time Location System (RTLS).

Challenge

The London Clinic has been committed to develop state-of-the-art technological solutions for its facilities. One identifiable challenge for the hospital is keeping track of expensive medical hardware such as syringe pumps and portable x-ray machines – the kind of hardware that can easily be lost in the hospital complex or worse still, stolen. Another challenge is one of logistics: finding a solution to allow accurate tracking using the hospital's Wi-Fi network with these parameters sets demanding constraints. This challenge increases with the addition of a series of new building projects to further expand The London Clinic's presence in the Harley Street area.



Solution

The London Clinic has been building up its Wi-Fi network to ensure comprehensive radio coverage across its entire premises and leverage the benefits that Wi-Fi brings. Specifically to allow for Internet access and Voice over IP but also to find a Real Time Location System to track assets up to a room accuracy of three metres. Having assessed the options for a tracking solution, The London Clinic's IT Director Mike Roberts ordered a pilot delivery from European Electronic. The team first performed a site survey of the Wi-Fi network using Ekahau's Site Survey Tool to ensure blanket coverage and signal strengths to meet requirements. The pilot scheme was deployed in late 2006, using Ekahau Positioning Engine 4.0 for 150 clients and a total of 100 Ekahau custom modified T201 tags to attach to portable equipment distributed around The London Clinic. At the same time, work was completed to create a mapping tool and integration for asset management thus ensuring full visibility to the tagged material

Mike Roberts, IT Director, The London Clinic quoted: "Their intelligent WLAN tags allied to the solution's use of a generic Wi-Fi network tuned with their Site Survey tool offers remarkable added value in the provision of asset management."



Value

The immediate value of the Ekahau RTLS for the London Clinic is the technology’s ability to pinpoint with room accuracy the location of any given materiel distributed over The London Clinic’s complex

Applications

The Ekahau T201 Wi-Fi tags, attached to specific medical equipment, communicate over The London Clinic’s calibrated 802.11 standard wireless network sending signal strength measurements to Ekahau Positioning Engine 4.0 (EPE). The EPE calculates the position of the target tags and reports that to another Ekahau product, Ekahau Finder. Ekahau Finder is a web-based application allowing administrators to see the tagged item’s last known position on a map using a web browser. Ekahau RTLS makes sure that people and things can be found - in the right place, at the right time.



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