ekahau

You are here

How about the rest of the dots?
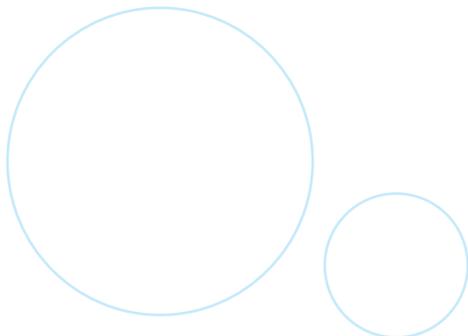
Put yourself on

With Ekahau RTLS*, the new, advanced tracking solution by Ekahau, locationing has become more convenient than ever before. With Ekahau solutions you are now able to track personnel and assets while on the move within any Wi-Fi network, without any need to invest in specific infrastructures.

As society becomes more hectic by the moment and the overall speed of business increases, there is a growing need for a reliable, efficient positioning and tracking system. People on the move need to be found quickly. In places such as hospitals or warehouses, valuable time can be saved by knowing exactly where the nearest available wheelchair or forklift can be found.

Getting back on track

Ekahau provides comprehensive and cost-efficient solutions which can benefit a wide variety of businesses in their quest for productivity and effectiveness. A reliable tracking system helps minimize downtime, which easily accumulates in waiting and searching for people and property. And, as the Ekahau solutions can be implemented within an existing Wi-Fi network, no extra infrastructure costs are involved.

Our positioning and tracking tool is a fully automated system that continually monitors the location of assets and personnel. Ekahau RTLS uses a combination of client software, tags, access points and system software to locate, track and monitor assets and personnel in real time, anywhere within the coverage area of the Wi-Fi network.

Since Ekahau utilizes only standard Wi-Fi network communication, it can track any Wi-Fi enabled device (PDA, laptop or tablet PC). For asset-tracking Ekahau provides small battery-powered tags that can be easily attached to the tracked asset, or to people. Our small-size tags feature intelligent battery life management that saves power when the tag is not moving and thus extends battery life.

For your business

Ekahau RTLS brings substantial benefits to many industry segments. Experience has shown that especially healthcare, manufacturing and logistics are areas which can well reach new heights in productivity and convenience. However, there are still many opportunities to take advantage of outside these industries. Feel free to contact Ekahau to learn how our solutions can be tailored to your specific requirements. We are certain that your business can benefit from a reliable tracking solution.

*) RTLS (Real-Time Location System) is a wireless radio frequency solution that continually monitors and reports real-time locations of tracked resources.

Ekahau - Location-enabling Wi-Fi Networks

The Ekahau-patented solution uses standard Wi-Fi signals to estimate locations, rather than expensive time-based measurements that require proprietary infrastructure. Timing-based methods tend to work poorly in complex environments and are highly susceptible to errors due to common obstructions – such as the human body, walls and furniture – that may block the line of sight from the receiver to the tracked objects. Thus Ekahau is able to derive accurate and consistent location information in areas where other technologies are prone to fail.

the map
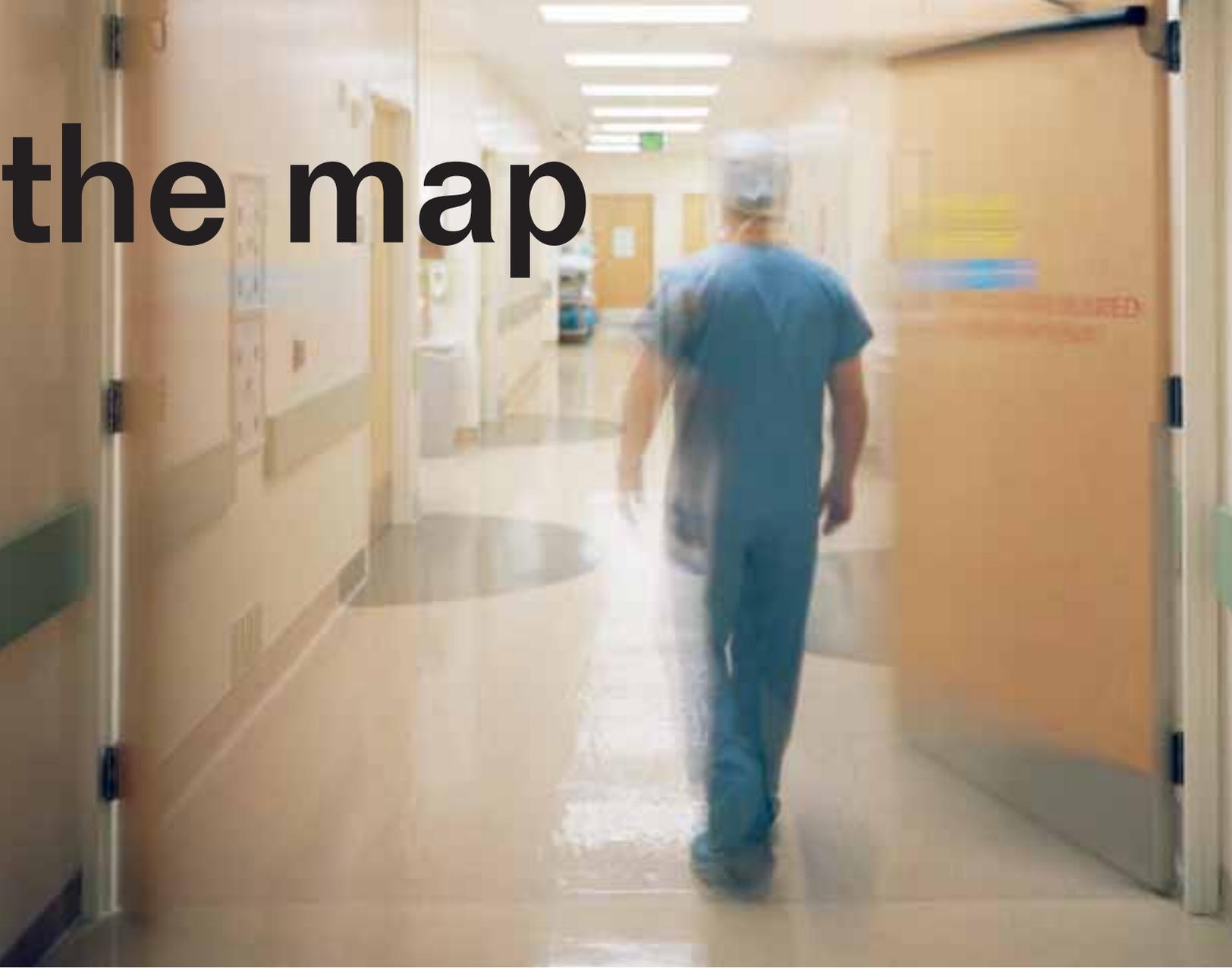
Ekahau Application Suite

Ekahau Finder
Ekahau Finder is a web application for querying the location of people and assets from web browsers using standard or user-defined criteria. The query results display coordinates, the name of the area where the object is located, and make it possible to see the location graphically on a map-based view of the area. With Ekahau Finder organizations can streamline and automate processes that would otherwise involve time-consuming manual locating.

Ekahau Tracker
Ekahau Tracker is an end-user application for monitoring the locations and movements of people and assets. It provides a real-time view of the tracking area with selected objects displayed as icons on a map of the tracking area. With Ekahau Tracker organizations can tell in a single view the locations and directions of valuable personnel and equipment.

Ekahau Logger
Ekahau Logger is used for storing the historical location information to a log file or to a database. The data can be later analyzed and played back using the Ekahau Tracker or third party analytical applications. The Ekahau Logger allows organizations to record procedures that can later be analyzed for operations management, safety or legal purposes.

Healthcare

In the hectic environment of healthcare, patients, co-workers and medical devices get easily out of synch and require manual coordination. Automatic asset and people tracking allows hospital staff to locate patients, caregivers, and medical equipment. Ekahau RTLS solutions let hospitals synchronize workflows, reduce equipment inventories, and increase patient throughput while at the same time improving quality of care and staff satisfaction and safety. This ensures significant cost savings through improved operations efficiency and resource management in demanding and constrained healthcare facilities.

Manufacturing & supply chain

Manufacturing and logistical operations throughout the supply chain need to efficiently manage numerous logistical optimizations to cut cost and time to market. Manual tracking of assets is labor intensive and error prone. Ekahau RTLS solutions let manufacturing plants, warehouses and distribution centers monitor and manage the movement of work-in-process, inventory, tools, equipment and key personnel. Using Ekahau's solutions in manufacturing and supply chain management increases throughput, reduces turnaround times, optimizes equipment utilization, and increases staff productivity.

Industry

Oil refineries, chemical factories and other process-industry facilities need to efficiently track people, vehicles and assets to improve safety and cut production cost and time to market. Manual tracking is inefficient and not accurate enough for safety purposes. Ekahau's RTLS solution lets industrial plants optimize workflows, reduce inventories, and increase staff productivity while at the same time decreasing errors, enhancing operations, and improving employee safety. Our solution facilitates more efficient production through improved plant uptime and more effective preventative maintenance. Improved staff productivity further increases production margins.
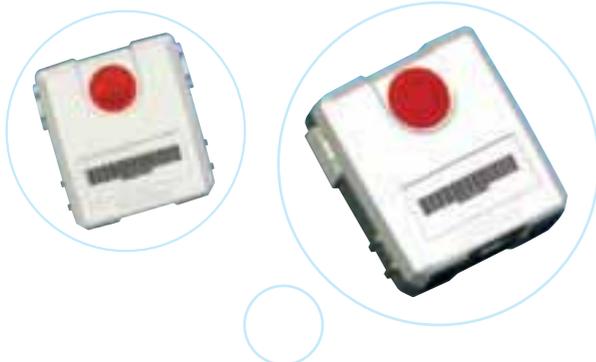
Ekahau T201 tag

Ekahau RTLS overview

Tracked devices

PDA

PC

Handset
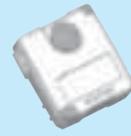
T201 tag

Positioning

Server
(Ekahau Positioning Engine)

Positioning model management
(Ekahau Manager)

Applications

Ekahau
Finder

Ekahau
Tracker

Ekahau
Logger

Your application
(local or web)

3rd party RTLS application

Use cases and benefits

	Healthcare	Manufacturing & supply chain	Industrial processes
Finder	Find assets, caregivers and patients. Less time needed to look for people and medical equipment. Reduces inventory and labor. Increased patient satisfaction.	Work-in-process management. Reduction of assembly slowdowns and bottlenecks.	Equipment management. Saving time and money in re-locating assets, tools, and equipment.
	Emergency calls. Fast and automatic locating of caller. Increased patient satisfaction and safety.	Inventory management. Improved asset visibility.	Workflow management. Better utilization of resources.
Tracker	Location-based work dispatching. Faster dispatching of work orders.	Location-based work dispatching. Faster dispatching of work orders.	Staff monitoring, safety & guidance. Improved safety.
	Information delivery. Faster access to patient data.	Information delivery. Faster and more accurate picking of orders.	Information delivery. Location-based alarms.
Logger	Procedure recording. Collecting evidence for legal purposes.	Procedure recording. Locate quality problems.	Procedure recording. Data collection for recovering from emergencies or system failures.
	Analyzing workflows. Improvements in work processes.	Analyzing workflows. Improvements in work processes.	Analyzing workflows. Improvements in work processes.

Ekahau –
Location-Enabling
Wi-Fi Networks

Ekahau´s mission is to provide the easiest, most cost effective and accurate positioning solutions for locating mobile devices and people in wireless networks. Ekahau solutions enable our partners at all levels to easily track people and assets for a variety of demanding applications. Devices that Ekahau can track include PDAs, laptops, Wi-Fi tags and other 802.11 enabled wireless appliances.

Ekahau's underlying location technology was developed at the Complex Systems Computation Group in University of Helsinki, one of the leading research groups in the world. The core technology has been evolved with over ten years of intensive study. The company is owned by its employees and venture capital investors. The name Ekahau is derived from the god of travelers and merchants in Maya mythology.

To evaluate Ekahau solutions today, call your local Ekahau office or download free demonstration software from www.ekahau.com

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