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### Highlights:

*Where are objects, people or animals currently located? To be able to determine the exact location, IBM and Aeroscout have jointly developed a tracking system.*

- A location determination system based on an Aeroscout active RFID chip using IBM middleware. For simple applications, IBM uses Aeroscout middleware. The active tag continually emits a signal. By measuring the distance between the RFID chips and WiFi access points, the system determines the exact location of an object or living being.
  - Users can track the precise location of the RFID tag, making it possible to find objects with active tags quickly. In addition to the current location, users can also trace the object's location at a specific moment in the past. This is useful for control activities.
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## Smart Logistics Always know where to find them

Parents who want to take the family for an outing to the Danish LEGOLAND will never again lose a child. Every child who enters the facility is given a wristband that contains an active RFID tag. This tag continually transmits a signal, so that parents can always locate their son or daughter. Parents can send an SMS to request the child's location. This is one of the many smart application possibilities that Aeroscout's active RFID tag solution offers.

An active RFID tag is the foundation of many LBSes (Location Based Solutions) implemented by IBM. This transmitter has its own battery, enabling it to continually transmit a signal –in contrast to passive versions that only provide information when they are scanned. WiFi access points receive the signal from an active tag. Using the signal strength, the precise distance between the closest WiFi access points and the RFID tag can always be calculated.

Aeroscout delivers the active RFID tag. IBM delivers and implements the middleware that translates the tag data into usable information. In addition, Big Blue links the middleware to back office solutions. If you need a scalable system and integrate with other solutions; IBM builds a flexible middleware environment based on Websphere and Tivoli.

Tracking expensive goods during the logistics process, locating scarce, frequently untraceable hospital equipment and integrating tags into ankle bands for detainees: there are numerous IBM and Aeroscout smart applications. It is an appropriate solution for everyone who wants to know where expensive products or equipment – or people – are located.

### More information:

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