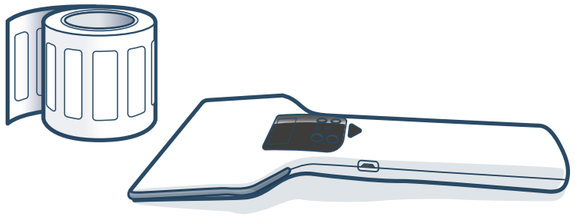
DESCRIPTION

ImplanTrak is an IT platform for the traceability of medical devices. This solution was developed for external pharmacy services in order to simplify and speed up the management of inventories of implant stocks in the Operating Room, as well as the full / empty management of product stocks in care units, thanks to RFID technology.



Real-time availability of IMDs in the Operating Room

Implant inventories by the PU are essential for tracking inventory and traceability of IMDs. In most healthcare institutions, this activity is carried out by individually counting IMDs in the arrays and comparing them to the computer stock.

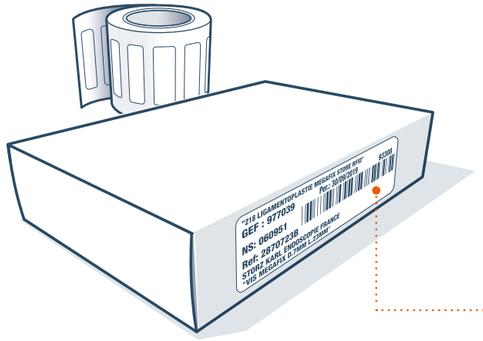
This method involves having to allocate time to the preparer or pharmacist on a long operation with low added value. In addition, the time that this process takes does not allow for a regular number of inventories, yet so beneficial for ensuring effective monitoring of stocks..

In order to address this problem ATH Medical developed ImplanTrak, a solution combining management software with an RFID label printer and its read / write system.
Thus, pharmacy staff can carry out rapid and efficient inventories of implant stocks, with the result of dividing by up to 12 the time spent per inventory, and increasing the number of inventories per year by almost 133%*.

**According to a study carried out by the CH of Valenciennes in 2016; «RFID technology: guaranteed traceability» and presented at the 26th EUROPHARMAT Days.*

HOW IT WORKS?

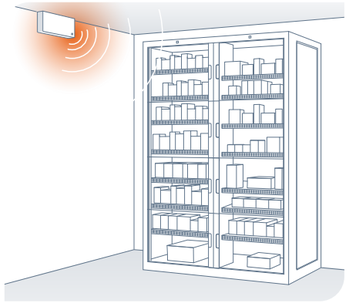
Via its database, the software generates and prints an adhesive and repositionable RFID label containing general product information. The label is affixed to the box of each IMD upon receipt.



The reading results are transmitted to the software which can then generate an inventory report

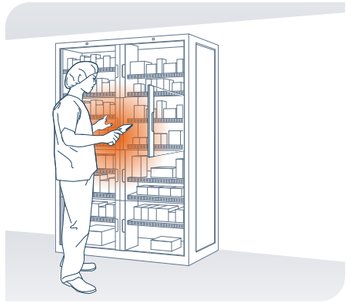
Remote reading

If the environmental conditions are favorable (absence of metal which could alter reading for example), it is possible to carry out an automatic remote reading via a work station by using wall-mounted RFID antenna.



Direct reading

If the environmental conditions do not allow a remote reading, it is possible to carry out a proximity reading using a hand-held RFID reader (racket type) by passing the reader in front of the location of all the products.



Full / empty management of product stocks in care units

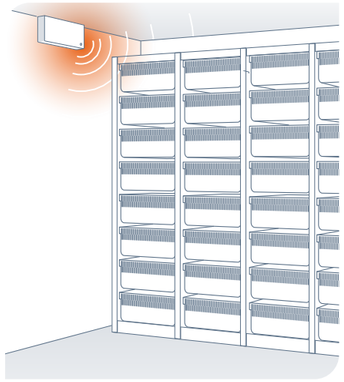
When it comes to managing the stocks of products in healthcare units, the pharmacy is faced with a very large number of references to manage.
To avoid the discomfort of supply disruptions, overestimated quantities may be ordered, therefore causing excess inventory and often wastage.

To avoid these problems of product inventory management, ATH Medical has developed a full / empty inventory management system in combination with RFID technology. This solution then allows the pharmacy to have in real time, and directly on its workstations, a full / empty stock status, and therefore a concrete visibility on the references to order for each care unit.

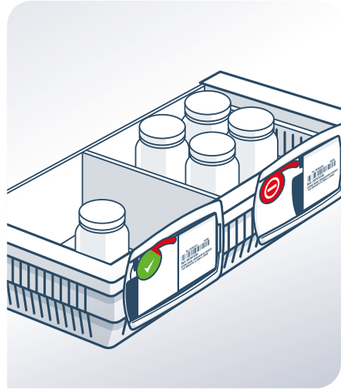
Our system consists of the following elements:

- Label holders with RFID chip and product reference labels, placed directly on storage spaces.
- Wall-mounted RFID antennas and readers allowing live reading of all RFID chips.
- Our software for database management, launching of RFID chip reading, and inventory status analysis.

We equip storage rooms with RFID reading systems



We equip baskets or other storage spaces with our RFID label holders



HOW IT WORKS?

The nursing staff of each unit then changes the status of the stock on the label according to its actual status.

When the stock is exhausted, the metal plate is shifted to the side, exposing the chip RFID integrated under the icon indicating that the product must be ordered. The reader transmits the information to the software and therefore allows the pharmacy to initiate the replenishment.

Step 1
Stock not to be used

Step Change

Step 2
Stock that can be used

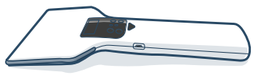
Step Change

Step 3
No stock left,
RFID chip released
for ordering

Step Change
Stock
replenishment

Thus, the pharmacy can manage the stocks of products in the care units remotely, directly from its computer stations.

In case of antenna problem, or need to carry out a close inventory (within the framework of a joint inventory protocol, or a staggered procedure for example), a racket type reader can also be used.



ANCITRAK®, IMPLANTRAK®, WHITEREADER®, STARTERKIT®, ZENBLOC®, LASERMARK®
are all brands of ATH MEDICAL.

Janvier 2020

ImplanTrak®

by ATH MEDICAL

Real-time availability

of Implantable Medical Devices (IMD) in the Operating Room and of product stocks in care units

Implantrak® is a brand of

ATHMEDICAL
TRACEABILITY OF SURGICAL DEVICES

ATH MEDICAL
3 avenue du Sénateur Girard
59300 Valenciennes - France
Phone: +33 (0)3 27 34 30 73
info@athmedical.com
www.athmedical.com

ATHMEDICAL
TRACEABILITY OF SURGICAL DEVICES

www.athmedical.com

ATH MEDICAL IS A MEMBER OF STERIMED GROUP