

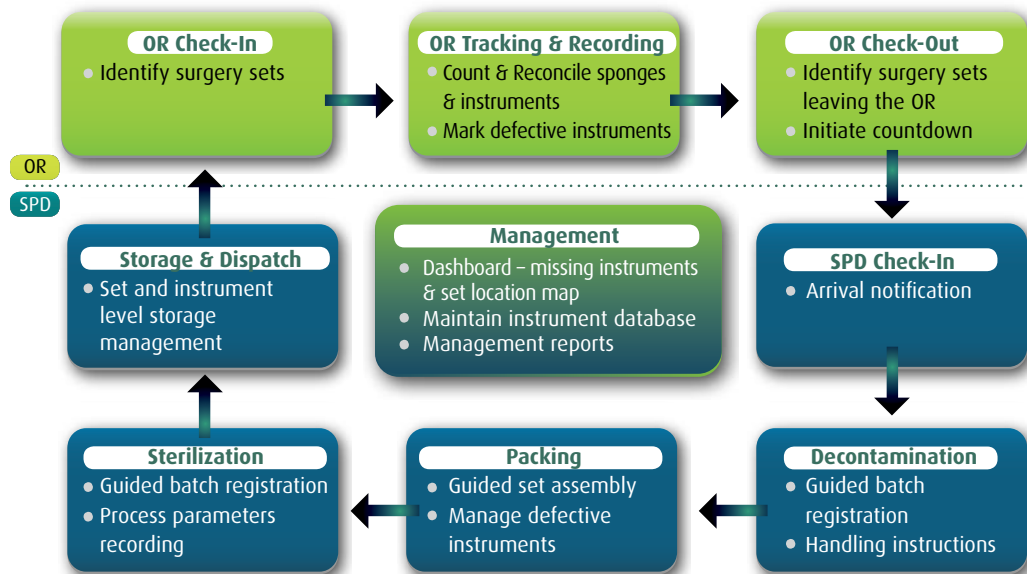
We've located a solution

Count, monitor and track
instruments and sponges
with confidence



ORLocate™ Complete Solution - Overview

ORLocate™ is a comprehensive system providing full transparency and real-time tracking of sponges and surgical instruments throughout their entire lifecycle. The system significantly improves efficiency and productivity of surgical instrument inventory and asset management in the Sterile Processing Department (SPD), as well as increases patient safety in the Operating Room (OR). ORLocate™, developed by Haldor Advanced Technologies, is the only system on the market that offers management and control, at the level of each and every surgical instrument and sponge, providing a revolutionary inventory management system that decreases the shrinkage of surgical instruments. In addition, the system helps healthcare organizations prevent medical errors in surgical procedures stemming from retained surgical instruments and consumables. ORLocate™ is FDA 510(k) cleared and CE Medical certified.



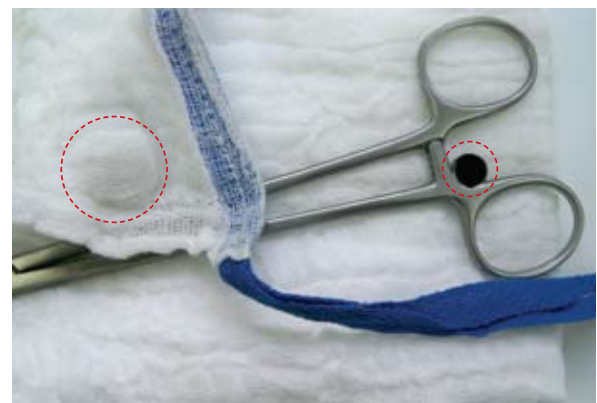
ORLocate™ Technology Overview

The ORLocate™ System uses RFID technology to offer accurate, efficient and real-time tracking and monitoring capabilities of the tagged surgical items. The system provides various functionalities, including integration with hospital information systems (HIS, EMR, ERP utilizing the HL7 message format), SPD equipment (decontamination, sterilization etc.) and Real-Time Locating Systems (RTLS).

The ORLocate™ RFID tags are capable of withstanding sterilization, liquid and metal environments, as expected during the surgical instruments' lifespan. The RFID tags are firmly secured to surgical instruments and sterile consumables. Tag location is determined in conjunction with surgeon recommendations.

RFID technology benefits:

- Unique identification of type and serial number
- Small and lightweight
- No power source on RFID-tagged item required
- Does not interfere with normal operation of instrument or sponge
- No impact on instrument sterilization procedures
- Available on most standard instruments/sponges
- Detects hidden or covered items
- Internationally recognized standard, widely used by the healthcare industry



Each instrument and sponge is equipped with a passive RFID so it can be tracked and counted without being in sight or reach

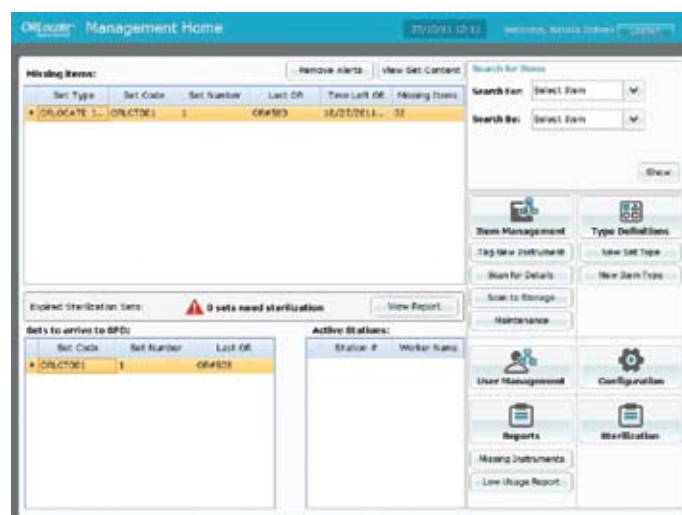
ORLocate™ OR Suite and Management

ORLocate™ OR Suite is a highly modular, reliable, scalable and accurate system that conforms to the highest industry standards with advanced functionalities. The system components include a console, a user-friendly proprietary application and various detection elements located around the patient bed used for tracking instruments and sponges throughout the surgery. The result: reduced risk of Retained Surgical Items (RSI) and improved productivity. ORLocate™ adheres to the highest safety and security standards, maintaining a strong privacy stance for the protection of patient information and data, according to international medical information safety standards (HIPPA).



ORLocate™ Management is an application module that consolidates and transforms the data collected from the various systems into information that increases efficiency and productivity within the perioperative workflow, covering the entire surgical instrument lifecycle.

The user may define new RFID-tagged instruments, define and update set composition, track and manage surgical instruments sent for maintenance. The user can produce statistical analyses and reports on instrument and set utilization, manage surgical instrument and packed set storage, and more. The application also provides a workflow management tool for defining policies and procedures, a dashboard to alert predefined indicators, such as missing instruments, on time arrival of sets to OR, sets en route to SPD, and more.



Management Dashboard

ORLocate™ SPD Suite

ORLocate™ SPD Suite is linked to the OR suite and allows a shared IT platform and instrument level information exchange between SPD and OR.

Decontamination and Washing Module

An RFID-enabled workstation that guides the user through the entire decontamination process, ensuring that surgical instruments undergo the adequate decontamination and washing recommended by instrument manufacturers and required by relevant standards. In addition, a batch preparation feature provides logging and recording the decontamination and washing cycles, necessary for each surgical set processed.

Packing Module

An RFID-enabled workstation that guides the user to achieve a 100% level of surgical set assembly accuracy. While minimal training is required, all users maximize their accuracy and prevent costly time loss and mistakes. The module provides assembled set and instrument packing instructions and pictures assuring quick identification for users. This module encompasses a control system for defective items, assuring that surgical instruments marked in the OR will never be re-packed/assembled. In addition, a packing technician can mark and send defective instruments for maintenance, and utilize the system to trace and record such events.



ORLocate™ SPD workstation

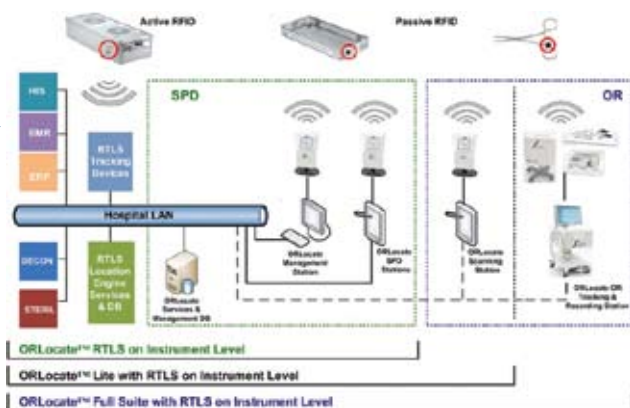
Sterilization Module

An RFID-enabled workstation that gives the user the ability to prepare a sterilization batch for each sterilization machine, log and record the sterilization process, and attach the sterilization details to each processed surgical set for future reference. The sterilization log is translated into a visual graph for simple analysis, verifying that the sterilization batch is accurately processed.

ORLocate™ Integration and Connectivity

The ORLocate™ system was designed to connect and integrate easily with systems used in the medical environment. The system generates valuable data related to surgical instruments used in the OR, as well as processed in the SPD. This data may be integrated and/or analyzed together with the data generated by the EMR, HIS, ERP and SPD equipment, thereby highlighting valuable information for hospital management decision making.

The system also integrates with Real-Time Locating Systems, providing RTLS on an instrument level. This improves workflow efficiency and increases the productivity of all related teams.



System Schematics



Integration with Hospital Information Systems

The right instrument at the right place at the right time

ORLocate™ Benefits

Return on Investment (ROI)

- Reduces instrument inventory shrinkage
- Increases accuracy of surgical instrument sets
- Reduces surgical instrument inventory
- Eliminates costly non-reimbursed events due to retained surgical instruments
- Potentially reduces insurance premiums
- Avoids potential revenue losses due to medical errors

Lean and Efficient

- Reduces packing time per surgical instrument set
- Eliminates repacking defective instruments
- Expedites the learning curve of newly hired sterilization technicians
- Reduces time spent on reconciling counting discrepancies in the OR

Patient Safety

- Prevents incidents of retained surgical instruments and consumables
- Eliminates X-Rays required due to count mismatch at end of surgery
- Increases time gained for patient care in the operating room
- Enables recall management on an instrument level for infection control and prevention purposes, and for patient safety





Use the ORLocate™ system to gain full transparency of the surgical instrument lifecycle, improve asset management and enhance patient safety.

We welcome the opportunity to provide you with more information on ORLocate™.

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Please visit us at:

www.orldocate.com and www.haldor-tech.com



ORLocate™
Beyond Counting!