



Lyngsoe Sterile Goods Tracking

Full visibility of sterile trays from when they leave or return to CSSD

As sterile equipment flows between the sterilisation and decontamination departments (SDU), local storage rooms and remote specialist centres on and off campus, it's crucial for healthcare providers and clinicians to understand the location and status of that equipment. But without proper visibility – that's automated and reliable – it's difficult for staff to know exactly how many trays sets are in which storage location.

On occasion, certain tray sets need to be fast tracked through the sterilisation and decontamination process to meet tight turnaround deadlines, so accurate location data is helpful for planning and scheduling sudden changes to workflow.

Lyngsoe X-Tracking™

Lyngsoe X-Tracking™ supports the needs of the sterilisation and decontamination departments by providing improved visibility of tray sets and shares updated location data with 3rd party sterile processing and theatre planning software solutions.

Instead of relying on time-consuming manual barcode scanning, every sterile tray is fitted with an

autoclavable passive RFID tag. This tag is attached to the DIN basket and automatically read as it moves through the various production areas. It can be read upon leaving the SDU department and read again when it arrives at a theatre storage location.

Users can search in Lyngsoe X-Tracking™ to find the location of each equipment tray or container. Staff have easy access to updated information about which sterile goods sets have arrived from CSSD and at what time they arrived. This information alone reduces the need for communication with CSSD or physical checks of inventory. The arrival times to storage rooms can be used to validate agreed turnaround processing times.

Passive RFID antennas can be mounted on ceilings or walls to capture tag reads as sterile tray sets pass through the supply chain. Automated updates confirm the exact location of sterile goods as they flow through sterilization and back to theatre storage areas.

Lyngsoe X-Tracking™ can be cloud-based or hosted on premise and integrated with 3rd party sterile processing applications from companies such as Steris Canexis, MiS, Aexis or Gettinge.

GS1 Approved - EPCIS Integration

Lyngsoe X-Tracking™ is a GS1 Approved product and it can process GS1 application identifiers. It also incorporates an EPCIS interface to support interoperability with any other GS1 approved solution.

The solution software easily integrates with the hospital's existing process management software so that implementation is seamless for the hospital's IT department as well as the staff using the system.

Case Cart Tracking

It is possible to track a cart full of tagged tray sets using a single RFID tag mounted on top of the case cart. If tray sets with RFID tags are loaded into a metal box it is then impossible to read the individual tray RFID tags.

However, we can still track the case cart and its contents by using a nesting feature. We provide an on-metal RFID tag to the top of the case cart. As the case cart moves through the supply chain the RFID tag is read at strategic storage locations and when the individual trays are removed from the cart they are read by a local reader in the storage room. The database has updated location available for staff to interrogate on the web-based application.



Handheld Data Capture

Lyngsoe X-Tracking™ has the option to use handheld data capture and devices such as the Zebra TC27 can be used to read barcodes and scan for RFID tags.

Users can open the local X-Tracking™ application on the android device, select the location then scan inventory. The user can post this data via wi-fi connection to instantly update the central server and keep accurate records.

If a specific tray set is required the user can use the asset seeker function, a bit like a Geiger counter, to find a specific tray sets. The closer you get the stronger the signal.

