Pharma & Medtech | Global

A medical device company improved surgery kit accountability by 30%

A medical device company that leases surgery kits to hospitals and doctors replaced manual tracking with barcoded, RFID-tagged kits, preparation checklists and recorded check-out and return.



30%
better tracking and accountability of surgery kits

40%
less unauthorized kit usage

25%
fewer sterilization-related delays

AT A GLANCE

INDUSTRY
Medical devices

SIZE
Mid-sized

COVERAGE
Nationwide distribution

PREVIOUSLY
Manual kit tracking

FEATURES USED
Assets | Connected | Maintenance

01 The client

The client is a mid-sized medical device company with nationwide distribution. It leases surgery kits, sets of instruments and supplies for a procedure, to hospitals and doctors.

Each kit goes out, is used in surgery, comes back, is checked, sterilized and prepared again. Every kit has to be complete and sterile when it reaches the operating room.

02 The challenge

Kits were tracked by hand. Errors and delays crept into preparation, deployment and returns, and the company could not always say where a kit was or whether it was ready.

- Kits were lost or misplaced between hospitals, doctors and the warehouse.
- Kits went out incomplete because preparation was not checked step by step.
- Sterilization delays held kits back when hospitals needed them.
- Kits were used without authorization, causing waste and infection risk.

03 What they set up in Asset Infinity

The company configured Asset Infinity around its own kit preparation, tracking and reporting, with every kit labeled and followed from deployment to return.

Assets

Every kit barcoded

Each surgery kit has its own record and barcode label, so it can be identified and its history followed through its whole life.

Connected

RFID from deployment to return

RFID tags on the kits let readers record each move out to a hospital or doctor and back, so the company sees where every kit is.

Assets

Check-out and return

Each kit is checked out to a named hospital or doctor and checked back in, so only authorized deployments happen and overdue kits are visible.

Maintenance

Preparation and sterilization checklists

Before a kit goes out, staff work through a checklist of instruments and supplies and confirm sterilization, with required fields that cannot be skipped.

04 How it works day to day

This is the life of one surgery kit now, from the shelf to the hospital and back.

KIT PREPARATION STAFF

Prepares the kit

Staff scan the kit's barcode and work through its checklist, confirming each instrument and supply is present. An incomplete kit cannot be signed off.

KIT PREPARATION STAFF

Confirms sterilization

The checklist records that the kit has been sterilized, with the date and the person who signed it off.

DISPATCH TEAM

Checks the kit out

The kit is checked out to a named hospital or doctor, so every deployment is authorized and recorded against the kit.

SYSTEM

Records the movement

RFID readers record the kit leaving and returning, and each move is written to the kit's history.

RETURNS TEAM

Checks the kit back in

On return the kit is scanned in, inspected for missing items, and sent for sterilization and preparation again.

OPERATIONS MANAGER

Follows up on overdue kits

Kits out longer than expected are visible in the register, so the team can chase them before they are lost.

MANAGEMENT

Reviews kit performance

Reports show where kits are, how often they go out incomplete or late, and which customers return them on time.

05 Before and after

	BEFORE	WITH ASSET INFINITY
Kit tracking	Manual, with errors and delays	Barcode and RFID from deployment to return
Kit completeness	Kits went out incomplete	Checklist sign-off; 20% fewer incomplete deployments
Sterilization	Delays held kits back	25% fewer sterilization-related delays
Authorization	Unauthorized usage	Every kit checked out to a named recipient; 40% less unauthorized use
Lost kits	Kits lost or misplaced	30% better accountability
Admin work	Heavy manual tracking	Less administration, 15% more efficient

06 How it rolled out

1

Needs assessment. The client and the Asset Infinity team mapped kit management workflows and found the pain points.

2

Configured to the client's process. Kit preparation, tracking and reporting were set up to match how the company already worked.

3

Kits labeled and tagged. Every kit received a barcode and an RFID tag before going into service.

07 The results

20% fewer incomplete kit deployments

15% improvement in overall operational efficiency

- Fewer lost or misplaced kits
- Less administrative work in preparing and tracking kits

08 Why it worked

Fitted to the client's process

Configuration followed the company's own preparation and reporting steps, so teams kept their routine.

Every kit has an identity

A barcode and RFID tag on each kit made it possible to follow a single kit, not just count stock.

Checks before the kit leaves

Required checklist steps stop incomplete or unsterilized kits from going out in the first place.

09 Looking ahead

By tracking each surgery kit from preparation to return, the company knows where its kits are, who has them and whether they are complete and ready, which cuts losses, unauthorized use and sterilization delays.

The history kept for each kit also supports cost control and better patient care, because hospitals receive complete, sterile kits on time.

See it on your own assets

A 30-minute demo, set up for a medical device company.

The client's name is withheld for confidentiality. Results are as reported by the client.

Book a demo

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