



SYNAPSIS

Instrument Tracking System (ITS) for the Central Sterile Services Department (CSSD) and Operating Theatre (OT) to manage surgical assets and sterilization workflow.

<https://synapsis-healthcare.com/>

Overview

SYNAPSIS™ is a comprehensive Instrument Tracking System (ITS) developed for the digitalization and management of surgical assets and sterilization processes within a hospital's Central Sterile Services Department (CSSD) and Operating Theatre (OT). The software is designed to function as a 'neural network' to provide full control over all processes in the CSSD, enhancing productivity, cutting costs, and improving patient and staff safety.

Key Benefits & Capabilities:

Real-Time Traceability: Provides full tracking of individual surgical instruments and sets using various marking technologies (barcodes, QR codes, RFID, laser marking) throughout the entire workflow, from preparation to post-surgery.

Workflow Optimization: Guides CSSD technicians with leads, notes, prompts, pictures, and videos to ensure accurate and efficient preparation and sterilization procedures. It provides a digital proof that sets and instruments were properly completed, washed, and sterilized.

Integration: Has the capacity to interface with leading manufacturers' equipment (washers, sterilizers, sealers, incubators) and third-party software solutions, including Hospital Information Systems (HIS) and surgical scheduling systems.

Compliance & Safety: Ensures procedure compliance, helps mitigate claims through full documentation of reprocessing, and connects sterilization data with patient IDs to enhance safety. It is a solution that meets the demands of modern hospitals and is compliant with ISO 13485:2016.

Reporting & Cost Control: Generates reports for inventory management, planning instrument purchases, cost calculation (real costs of running a CSSD and total cost of assets ownership), and employee efficiency.

Target Users & Deployment: The primary users are staff in the CSSD and Operating Theatre. The system is a customized, modular solution that uses simple PC computers as workstations mounted in key workflow places and connects to various medical devices. Installation is noted as fast, typically taking 2 to 4 days.

Key Features

- Surgical Instrument Tracking (ITS)
- CSSD Workflow Management
- Integration with Sterilization Equipment
- Hospital Information System (HIS) Integration
- Cost of Ownership & KPI Reporting
- Asset Expiration Date Control
- Barcode/RFID/QR Code Compatibility
- Paperless Documentation

Pricing

Model: enterprise

Pricing is not publicly disclosed and is provided upon request, likely based on the size of the CSSD/hospital, the number of workstations, and required modules.

Target Company Size: medium, enterprise

Integrations

Hospital Information Systems (HIS), Surgical Scheduling Systems, Washers/Disinfectors, Sterilizers/Autoclaves, Heat Sealers, Test Incubators

Compliance & Certifications

ISO 13485:2016, GDPR

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