



GCLOUD 15 SERVICE DEFINITION

AEXIS MEDICAL

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XLINE

Smarter workflows. Safer procedures.

1. SERVICE OVERVIEW

SERVICE NAME

XLine – Integrated Hospital Workflow & Traceability Platform

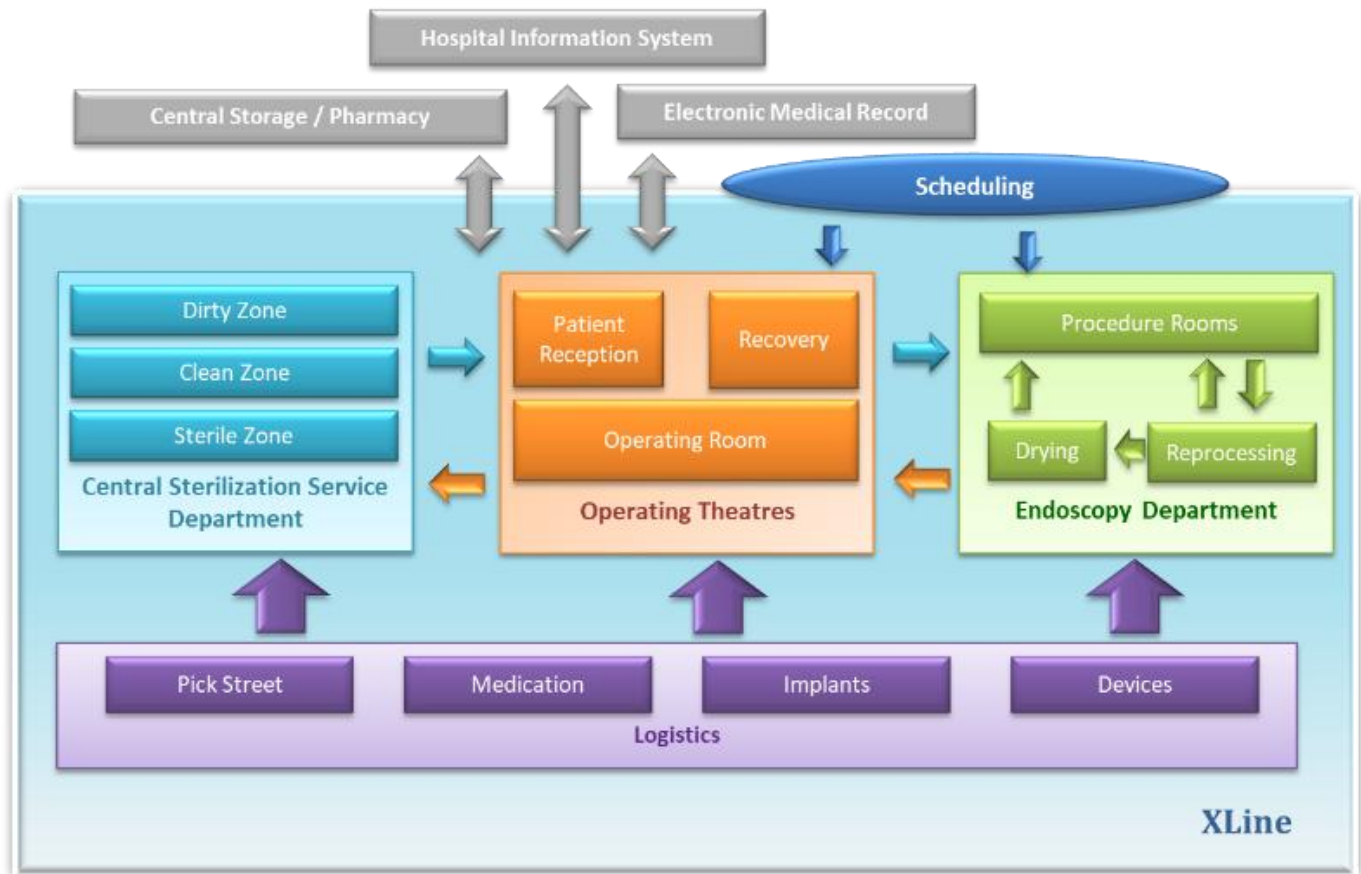
SERVICE DESCRIPTION

XLine is a modular, real-time workflow and traceability solution designed to improve operational efficiency, compliance, and coordination across hospital departments supported by cloud-based data sharing.

It provides end-to-end visibility of surgical instruments and implants, endoscopes, supplies, patients, and processes using GS1 compliant point-of-care scanning, asset management, and workflow intelligence.

XLine is configurable per department and scalable across multiple clinical and logistical environments, supporting NHS efficiency, patient safety, and compliance requirements.

SERVICE SCHEMA



2. WHO THE SERVICE IS FOR

XLINER IS DESIGNED FOR:

- NHS Trusts and Integrated Care Boards
- Acute and elective care hospitals
- Community and diagnostic centres
- Central Sterile Services Departments (CSSD)
- Endoscopy units
- Specialised medical units such as urology, gynaecology, etc.
- Operating theatres
- Hospital logistics and supply chain teams

3. CORE CAPABILITIES

COMMON ACROSS ALL USE CASES:

- Real-time visibility of equipment, instruments, and workflow status
- Proactive alerting to prevent delays and cancellations
- Workflow standardisation across sites and specialties
- Data analytics and performance dashboards
- RFID / GS1 / barcode compatibility for identification
- Configurable business rules and workflows
- Audit trails and compliance reporting
- Full data capture and storage of machine cycles

INTEGRATIONS:

- APIs and support for HL7/FHIR-aligned data exchange where appropriate.
- Integration with existing systems such as: theatre management, EPR, and PAS systems.
- We have integrated and setup hundreds of instances across the UK and Europe and can consume and push data across many types of interfaces as we are system agnostic.
- Our platform is fully configurable across many types of data mappings to support local system landscapes.
- We are able to also store and monitor equipment cycles, lot numbers, serial numbers and expiry dates.

SYSTEM-WIDE BENEFITS:

- Increased Resilience
- Improved Sustainability
- Expansion in Capacity
- Workforce Harmonisation
- Process Harmonisation

4. USE CASE 1 – ENDOSCOPY

OVERVIEW

XLine for Endoscopy improves visibility and coordination across the endoscopy pathway, from scope usage and decontamination through to procedure scheduling and room turnover.

XLine Endo is an endoscopy management module that streamlines planning, registration, and traceability of materials and endoscopes. It supports tasks like cleaning, decontamination, and procedure tracking, while also enabling advanced features such as document creation, NED registration, and image capture linked to medical protocols. The system ensures 100% traceability for endoscope reconditioning to consumption and provides valuable reporting to improve department performance and support hospital management.

KEY FEATURES

- Endoscope tracking across use, decontamination, storage, and transport
- Real-time scope availability and readiness status
- NED registration
- Image capture
- Integration with washer-disinfectors and decontamination workflows
- Procedure room status and turnaround monitoring
- Automated compliance and traceability reporting

BENEFITS

- Reduced procedure delays and cancellations
- Improved compliance with HTM 01-06
- Increased scope utilisation
- Enhanced patient safety and traceability

5. USE CASE 2 – STERILE SERVICES (CSSD)

OVERVIEW

XLine for Sterile Services provides full instrument lifecycle tracking and workflow optimisation across decontamination, assembly, sterilisation, storage, and distribution.

XLine Steri is the Central Sterilisation Service Department (CSSD) management module of the XLine platform, designed to optimize sterilisation workflows and ensure seamless coordination with the operating theatre. Given the increasing complexity of surgical instruments and their maintenance, managing decontamination is more challenging than ever.

To meet these demands, XLine Steri provides full traceability of all sterilisation processes, ensuring that no essential instruments are missing. It offers real-time information exchange between sterile services and theatres, allowing staff to track the number of sterile trays available instantly. In case of an emergency, resources are updated in real time, and priorities can be adjusted as needed.

KEY FEATURES

- Instrument and tray-level tracking
- Automated workflow and status updates
- Real-time exception management (missing items, delays)
- Load and machine cycle report traceability
- Performance analytics and bottleneck identification
- Offline functionality in case of network disruptions
- Tray rationalisation
- Loan gear management

BENEFITS

- Improved instrument availability
- Reduced lost or missing instruments
- Enhanced regulatory compliance
- Increased throughput and staff efficiency

6. USE CASE 3 – OPERATING THEATRES

OVERVIEW

XLine for Theatres delivers real-time visibility of theatre workflows, instrument readiness, and case progression to improve utilisation and coordination.

XLine OR is the operating theatre module of the XLine platform, designed to optimise the complex logistics and planning of hospital operating rooms. It offers a user-friendly scheduling tool, rapid registration, and integrates with third-party applications. By providing full logistics support and enabling transparency, XLine OR helps staff manage resources efficiently in a high-pressure environment, ensuring patient safety and enabling employees to focus on their core tasks.

KEY FEATURES

- Case progress tracking (setup, in-progress, turnover)
- Instrument and equipment readiness status
- Integration with CSSD and logistics workflows
- Theatre utilisation dashboards
- Delay and downtime analytics

BENEFITS

- Reduced turnaround times
- Improved theatre utilisation
- Better coordination between clinical and support teams
- Data-driven operational improvement

7. USE CASE 4 – HOSPITAL LOGISTICS

OVERVIEW

XLine for Logistics enables real-time tracking and orchestration of hospital logistics processes, supporting efficient movement of equipment, consumables, and sterile goods.

XLine Logistics is the platform's hospital resource management module that helps departments handle inventory, restock supplies, and prepare Case Carts for surgeries. It ensures that implants are tracked according to MDR regulations, checks equipment availability, and identifies necessary orders.

The system also manages mobile storage, assigns tasks to staff, and keeps track of single-use vs. reusable products. Designed with industry experts, XLine Logistics provides a complete logistics solution that seamlessly integrates with hospital IT systems.

KEY FEATURES

- Tracking of carts, beds, devices, and consumables
- Task assignment and routing for portering teams
- Demand-driven logistics workflows
- Stock location visibility
- Integration with clinical demand signals

BENEFITS

- Reduced manual searching and transport delays
- Improved responsiveness to clinical demand
- Better utilisation of logistics staff and assets
- Increased operational resilience

8. USE CASE 5 – POLY (FLEXIBLE / MULTI-PURPOSE DEPLOYMENT)

OVERVIEW

XLine Poly supports flexible deployment across multiple clinical or diagnostic environments that share characteristics with endoscopy but require adaptable workflows.

XLine Poly is a management module that streamlines planning, registration and traceability of materials in other clinical departments. It supports tasks like cleaning, decontamination, and procedure tracking, while also enabling advanced features such as document creation, and image capture linked to medical protocols.

Examples include:

- Diagnostic centres
- Day surgery units
- Specialised medical units such as urology, gynaecology, etc
- Community-based procedures
- Mobile or modular clinical services

KEY FEATURES

- Configurable workflows without fixed room dependency
- Mobile asset and equipment tracking
- Rapid setup and redeployment
- Cross-site visibility
- Modular feature activation

BENEFITS

- Supports flexible and evolving care models
- Enables rapid scaling and reconfiguration
- Maximises asset utilisation across locations
- Reduces reliance on manual coordination

9. SECURITY AND COMPLIANCE

- Role-based access control (RBAC)
- Full audit trails

- Data encryption
- GDPR compliant data handling

10. SERVICE IMPLEMENTATION

- Configurable deployment per department
- Integration with existing hospital systems
- Phased rollout options
- Training and onboarding provided
- Change management support

11. SERVICE MANAGEMENT AND SUPPORT

- UK and EU-based support
- Defined SLAs
- Remote monitoring and diagnostics
- Regular software updates
- Optional managed services

12. PRICING MODEL

- License-based pricing
- Modular pricing per use case
- Scalable based on size and scope
- Transparent cost structure

13. SERVICE DEPENDENCIES

- Availability of integration interfaces from legacy systems.
- Information governance approvals.
- Customer IT support

14. EXIT AND DATA PORTABILITY

- Data export in standard formats
- Clear exit support process
- No vendor lock-in