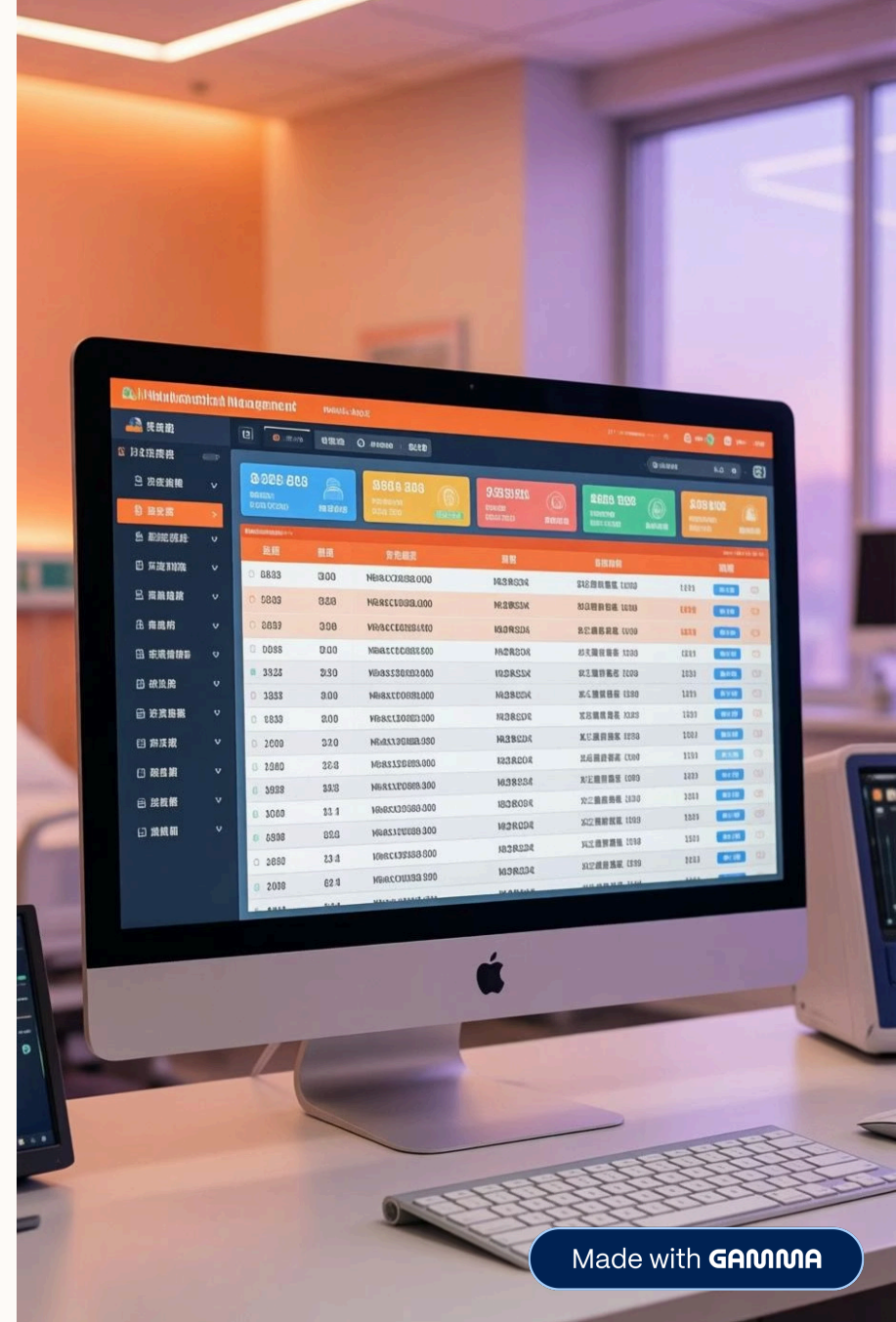


MIDAS – Integrated Hospital Management Information System

A Sustainable Digital Health Platform for Hospital Data Management in Malawi

Digitizing care delivery, stewardship, and sustainability — aligned to national health systems and designed for long-term mission impact.

CATHOLIC ARCHDIOCESE OF LILONGWE



Made with GAMMA

Current Challenges in Health Facilities



Healthcare facilities across Malawi face critical operational challenges that compromise both quality of care and financial sustainability. Paper-based systems and fragmented records create inefficiencies at every level of service delivery.

Revenue leakage occurs daily through billing gaps, pharmacy discrepancies, and untracked diagnostics. Poor inventory visibility leads to drug expiries and stockouts. Limited integration with DHIS2 and Ministry of Health reporting systems creates additional administrative burden.

As patient volumes rise, these legacy systems cannot keep pace, resulting in reduced quality of care, mounting financial strain, and weakened governance and accountability across facilities.

The MIDAS Solution: A Health System Enabler

Integrated Platform

One unified digital system for hospitals and clinics, eliminating fragmentation and data silos

Complete Patient Journey

End-to-end management from registration through treatment, billing, and follow-up care

Real-Time Visibility

Instant financial, clinical, and operational insights for informed decision-making

Scalable Architecture

Designed to grow from pilot facilities to national-level deployment across Malawi

MIDAS is not just software — it is a comprehensive health system enabler that transforms how Catholic healthcare facilities deliver and sustain quality care in Malawi.

Comprehensive, Modular Design



Patient Registration & Administration

Streamlined intake and demographic management



Electronic Medical Records (EMR)

Complete digital patient histories and clinical documentation



Laboratory Information Management (LIMS)

Sample tracking, results management, and quality control



Radiology & Imaging (RIS + PACS-Lite)

Digital imaging workflows and storage



Pharmacy & Inventory Management

Real-time stock control and expiry tracking



Billing & Revenue Management

Comprehensive financial tracking and reporting



Online Payments

Visa, Airtel Money, Mpamba integration



Reporting & Analytics

DHIS2-aligned dashboards and insights

Secure, Scalable, Interoperable Technology

Built on Global Standards

MIDAS employs internationally recognized health informatics standards to ensure data quality, security, and interoperability. The web-based platform is accessible from any modern browser, eliminating the need for complex desktop installations.

Our modular, API-driven architecture allows facilities to implement components progressively based on their readiness and priorities. HL7 and FHIR interoperability standards ensure seamless data exchange with other systems.

ICD-10 clinical coding supports standardized diagnoses, while native DHIS2 integration streamlines Ministry of Health reporting requirements. Encrypted data storage, role-based access controls, and comprehensive audit trails protect patient privacy and ensure accountability.



- ❏ Cloud or hybrid hosting options available to meet Malawi data sovereignty and compliance requirements

How MIDAS Pays for Itself

Mission-Aligned Sustainability Model

MIDAS is designed to achieve financial sustainability through a low per-patient digital system fee embedded seamlessly into existing service charges. This approach ensures the system can operate independently while maintaining affordability for patients.

Integrated Billing

- Consultation fees
- Laboratory services
- Pharmacy dispensing
- Radiology and imaging

Online Payments

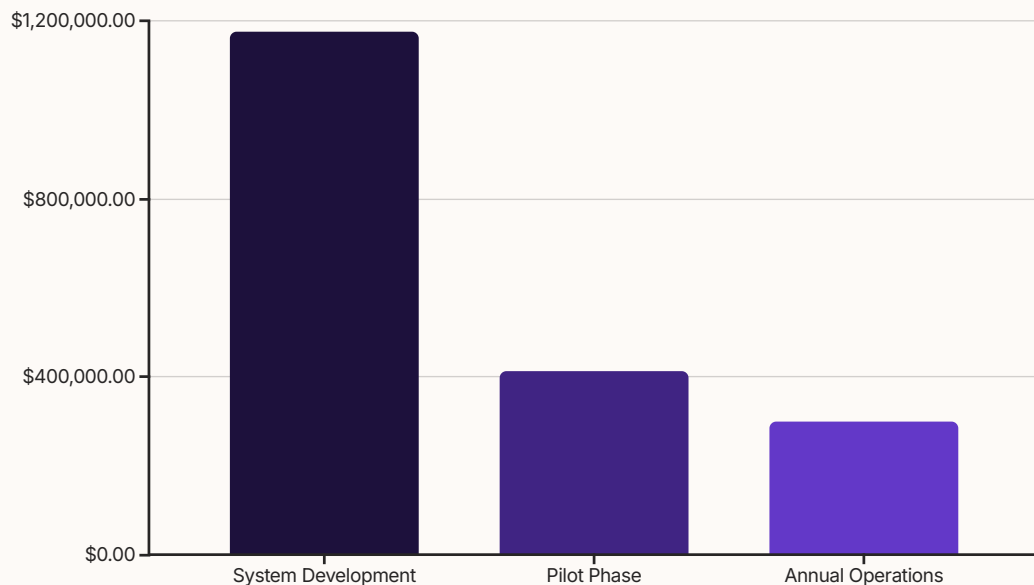
Integration with mobile money platforms and insurance providers streamlines revenue collection and reduces cash handling

Social Protection

Preferential pricing for vulnerable patients maintained as per hospital mission and policy commitments

High volume, low-cost, mission-aligned sustainability — serving more patients while strengthening Catholic healthcare institutions

Financial Snapshot & Investment Requirements



Investment Overview

The one-time system development investment of approximately USD 1.175 million creates a reusable digital asset that can scale across multiple facilities. This represents a foundational investment in Catholic healthcare infrastructure.

The pilot phase requires an estimated USD 412,500 to validate the system in a real-world setting, refine workflows, and demonstrate value. Annual operational costs of approximately USD 300,000 cover hosting, support, maintenance, and continuous improvements.

❏ **Key Insight:** Financial viability improves rapidly with scale. Higher patient volumes and embedded digital service fees enable cost recovery, while disciplined rollout ensures sustainability.

Six-Month Pilot Rollout & Funding Strategy



Pilot Implementation Focus

The pilot deployment targets one peri-urban facility to validate MIDAS in a real-world Catholic healthcare setting. Core modules include EMR, Pharmacy, Laboratory, Radiology, Billing, and Mobile Money integration.

Success requires more than technology — our approach emphasizes comprehensive training, change management support, and continuous monitoring to ensure staff adoption and system optimization.

Funding Mix for Sustainability

- **Archdiocese contribution:** Strategic investment linked to equity ownership
- **Donor and partner support:** Grant funding for pilot validation and capacity building
- **Early cost recovery:** System fees begin generating revenue during pilot phase

Strategic Ownership & Partnership Model

Governance Built for Mission Impact

MIDAS will operate through a Special Purpose Entity designed to balance commercial sustainability with Catholic healthcare mission priorities. This structure ensures professional management while preserving the Archdiocese's values and objectives.

01	02
Equity Shareholding The Catholic Archdiocese of Lilongwe becomes an equity shareholder with approximately 35% ownership, ensuring long-term stake in the platform's success	Board Representation Reserved seats on the governing board provide direct influence over strategic direction and operational priorities
03	04
Mission Rights Protection Contractual safeguards ensure MIDAS remains aligned with Catholic healthcare values and service to vulnerable populations	Asset Ownership Long-term ownership stake creates lasting institutional capacity for Catholic healthcare delivery across Malawi

What We're Asking

Approve Pilot Participation Designate one facility for the six-month validation phase	Endorse Equity Partnership Commit to the ownership model that ensures long-term institutional benefit	Support Donor Engagement Partner in securing funding to complete pilot and scale rollout
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About the Supplier: Proven Expertise Since 2014



Our team brings a decade of software development experience across diverse sectors, with deep expertise in healthcare information systems, government platforms, and mission-critical applications.

Distinguished Client Portfolio

- Parliament of Malawi
- Ministry of Trade, Malawi
- Ministry of Water Development and Irrigation, Malawi
- World Health Organization (Somalia)

Our Commitment to Excellence

We maintain a diverse team of developers both in Malawi and offshore, ensuring local context combined with global best practices. Quality delivery and adherence to timelines are non-negotiable principles.

Our expertise extends beyond software development to include change management and impact measurement — essential capabilities for successful health system transformation.

MIDAS: Improving digital stewardship in the health sector