KUTEDGE

PEOPLE | PROCESS | POSSIBILITY

Software that makes operations work better.

Healthcare | Enterprise AI | Video Intelligence | Business Applications



Practical solutions. Connected workflows. Clearer decisions.

Built in Bangladesh for organisations ready to move beyond disconnected systems and manual processes.

THE COMPANY

Built around how organisations actually work.

Kutedge develops software and applied AI for hospitals, education, enterprise teams and service businesses. Our starting point is the operational problem, not a technology catalogue.

Our approach

Understand the workflow. Build and test the solution. Connect information where it matters. Make day-to-day work easier to manage, measure and improve.

WHERE WE FOCUS

Healthcare

Hospitals, diagnostic centres and clinics

Education

Campus operations and controlled video analytics

Enterprise

Knowledge work and operational decision support

Service businesses

Transaction, pricing and profitability control

OUR PORTFOLIO

01 Hospital Management System + ERP

02 Kutedge Spectra

03 Patient Insights and Trend Engine

04 Visit Forecast

05 Enterprise GPT

06 AI Assistant

07 Transaction & Profit Manager

01 / KUTEDGE HMS

Hospital Management System with Integrated ERP

A connected operating platform for patient care, diagnostics, front-desk services, administration and financial visibility.



ONE PATIENT RECORD

Registration, consultations, services, bills and clinical history remain connected.

ONE BILLING FLOW

Service-led charges help connect hospital activities with billing and settlement.

ONE MANAGEMENT VIEW

Clinical, administrative and operational activity can be reviewed together.

01 / PATIENT OPERATIONS

From registration to discharge: one connected journey.

Smart OPD improves appointment coordination, queue visibility and the handover from nursing intake to consultation.

01
Registration
Patient identity, profile, NID/birth information and cross-service lookup.

02
Appointments & queue
Doctor sessions, time slots, walk-ins, token display and call-next actions.

03
Consultation
Nurse intake, basic observations, clinical notes and prescription PDFs.

04
Diagnostics & pharmacy
Linked laboratory, radiology, dispensing and service requests.

05
Billing & collection
Central invoices, deposits, discounts, partial payments and dues.

06
Admission & discharge
Emergency and IPD workflows, beds, advances and closure records.

01 / CLINICAL WORKFLOWS

Diagnostics, laboratory and transfusion control.

One connected information flow helps hospitals manage samples, reports, supplies and patient safety checks.

LAB ORDER > BARCODE > RESULT > VERIFY > APPROVE > REPORT

Status, review and amendment records remain linked to the original order.

Pathology / LIS

Test catalogue, lab orders, barcode labels, specimen lookup, PDF reports and second-person verification.

Reagent management

Lot and expiry tracking, quarantine and release, consumption, low-stock signals and cost-per-test visibility.

Blood bank

Donors, screening, components, cross-match, reservation, issue, transfusion, return and discard traceability.

Radiology / RIS

Study orders, scheduling, draft/verify/approve/amend reporting, billing policy and revision history.

Pharmacy

Batch and expiry awareness, FEFO dispensing and stock-linked service transactions.

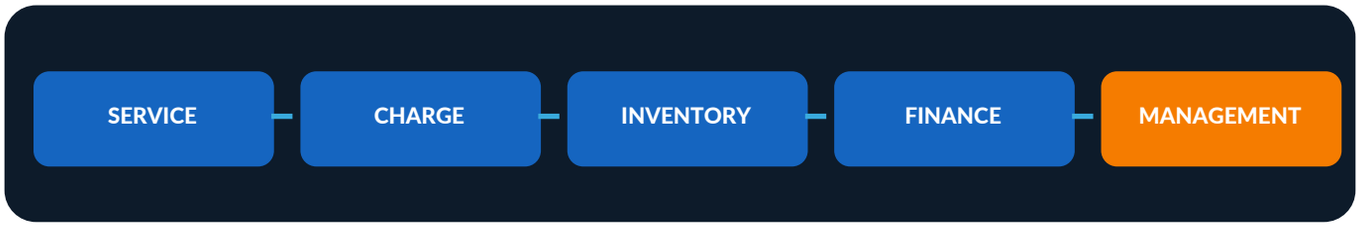
Other clinical workflows

Emergency, dialysis and health-package workflows, configured to the agreed implementation scope.

01 / BUSINESS OPERATIONS

Integrated ERP: the controls behind clinical care.

A hospital is also an employer, purchaser, inventory operator and financial business. Kutedge connects those processes with clinical activity.



Finance & accounts

Connected billing, collection, dues, petty cash, accounting workflows and financial summaries.

Procurement & suppliers

Department requests, purchase approvals, supplier records and receiving controls.

Inventory & stores

Stock movements, medicine and reagent batches, expiry, replenishment and store-level visibility.

HR & payroll

Employee records, attendance-related operations, payroll and permission-controlled HR data.

Assets & maintenance

Hospital equipment, maintenance actions, asset records and service follow-up.

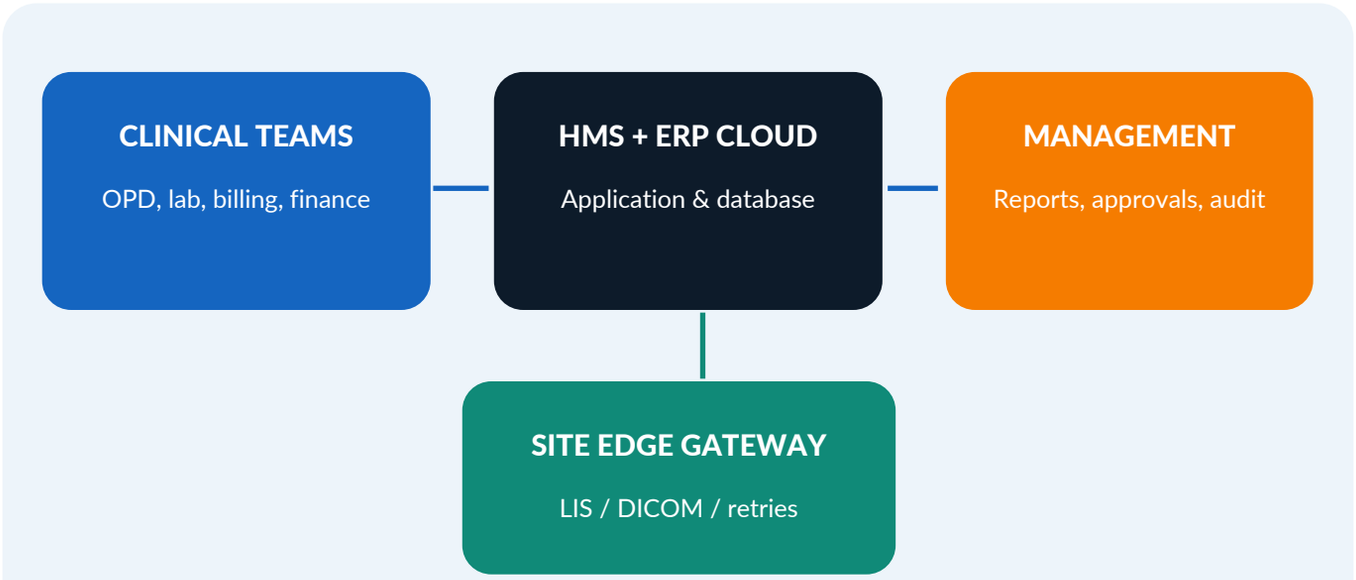
Management & governance

Approvals, role-specific access, audit trails, reporting, exports and operational control.

01 / INTEGRATION & ROLLOUT

Cloud-first HMS. Local gateways where equipment requires them.

The hospital uses a browser-based platform; compatible laboratory and imaging equipment can connect through a controlled on-site gateway.



INTEGRATION COVERAGE

LIS analyser gateway

Barcode-matched results and controlled exception handling; device access must be confirmed.

Imaging gateway

DICOM MWL, MPPS and C-STORE design; customer/OEM capability and licensing are assessed.

Local edge services

Offline spooling, retry logic and centrally visible device connection health.

Security & delivery

Role-based access, logs, backups, configuration, user testing, training and phased go-live.

Production activation and third-party connectivity are confirmed against the customer environment, equipment interfaces and agreed scope.

KUTEDGE
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KUTEDGE SPECTRA

Enterprise AI Video Intelligence

Turn approved camera feeds and recordings into visible events, identity context and evidence-led review.



LIVE + RECORDED

Connect compatible RTSP video and authorised clips.

IDENTITY + PRESENCE

Review recognition confidence and attendance context.

HUMAN-REVIEWED

Operators approve outcomes rather than relying on AI alone.

02 / SURVEILLANCE WORKFLOWS

From the camera to a reviewable event.

Spectra uses approved video sources, configurable rules, and controlled evidence handling to make existing CCTV more useful.



Live video and event analytics from the Kutedge Spectra source brochure.

Detection & tracking

People and object detection, presence, unknown-person review and enrolment.

Attendance & compliance

Live attendance indicators, permitted rule checks and session-based observations.

Evidence & investigation

Timestamps, camera source, snapshots, review status and tamper-evident records.

Deployment choices

On-site processing, compatible cameras and workload-based CPU/GPU sizing.

02 / REVIEW & GOVERNANCE

AI signals the event. People decide what it means.

A controlled review process connects the observation to a human decision and a traceable record.



01

Source

Approved camera or recording

02

Analyse

People, identity, presence and rule context

03

Review

Recognised, low-confidence or unknown

04

Resolve

Confirm, dismiss or escalate with evidence

Designed to work with customer-controlled video and identity data.

Camera quality, angles, lighting, model licensing, processing hardware, privacy and retention settings are validated before a production rollout.

03 / PATIENT ANALYTICS

Kutedge Patient Insights & Trend Engine

Understand who returns, which services are growing and where management intervention may be worthwhile.

HOSPITAL HISTORY > SEGMENT > MEASURE > PRIORITISE > ACT

Decision support built around the hospital's own validated records.

Executive overview

Performance indicators, comparison periods and management summaries.

Department analytics

Service-wise activity and revenue trends for operational review.

Patient 360

Patient profiles and segmentation informed by age, frequency and spending.

Churn watchlist

Identify declining visit patterns for approved follow-up decisions.

Trend forecasting

Historic direction, weekday patterns and confidence ranges.

Strategy & exports

Recommended actions, structured filters, CSV and PDF outputs.

04 / OPERATIONAL PLANNING

Kutedge Visit Forecast

Plan ahead for demand, staffing and service activity using historic patterns and management reporting views.

PLANNING HORIZONS

7 DAYS	Daily visit outlook and short-term staffing
14 DAYS	Trajectory and trend direction
MONTH	Visit/revenue planning and period comparisons

Reporting views

Dashboard, forecast summary, revenue view and trend analysis.

Operational cuts

Segmentation and date-based comparisons to support capacity planning.

Decision support

Prepare doctor coverage, consumable stock and cash-flow discussions.

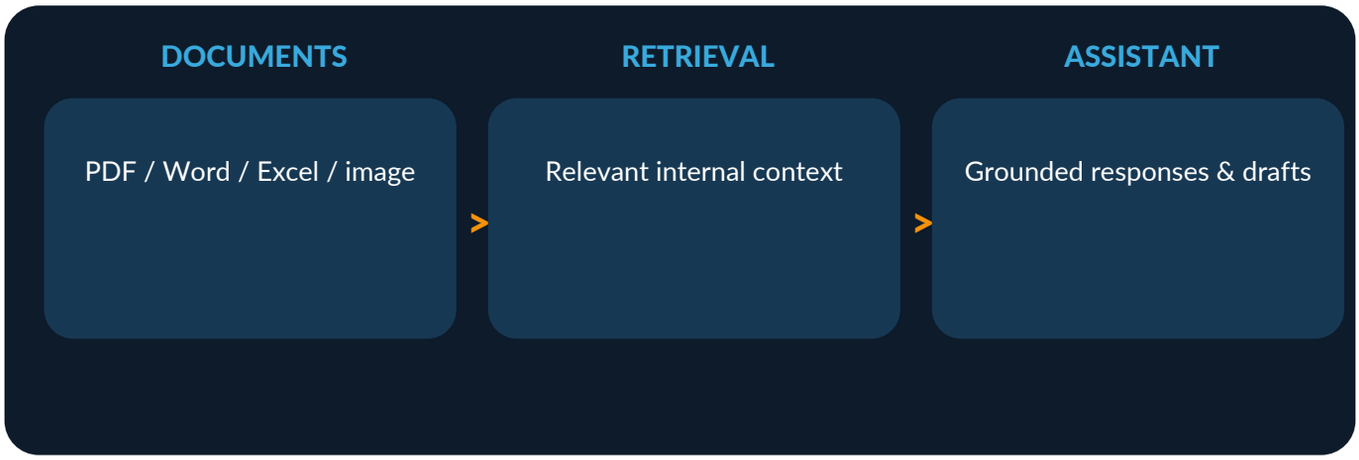
Model maturity

Advanced predictive modelling and customer-data calibration are implementation-stage work.

05 / KNOWLEDGE & AUTOMATION

Kutedge Enterprise GPT

Put controlled enterprise knowledge within reach of authorised staff, with traceable answers and document workflows.



Knowledge-grounded Q&A;

Search approved documents and datasets rather than relying only on general model memory.

Multi-format work

Handle PDFs, documents, spreadsheets, images and structured business references.

Document creation

Generate branded letters, proposals and presentation content from approved information.

Access governance

Administrator approvals, user roles, session policies and audit records.

Organisational memory

Structured records, retention options and encryption controls.

Flexible deployment

Container-based architecture with customer-specific hosting and model decisions.

06 / CONVERSATIONAL SERVICES

Kutedge AI Assistant

Use a tailored knowledge assistant to support sales teams, internal employees and customer-facing information workflows.

KNOWLEDGE BASE + ROLE CONTROLS + APPROVED CHANNELS

Find the relevant policy or product information.

Return a response linked to the authorised knowledge source.

Sales coaching

Qualification, account strategy, objection handling and margin-aware guidance.

Knowledge assistant

Organisation-trained answers using approved company content and attachments.

Administration

User lifecycle, access permissions, usage limits and conversation history.

Web & WhatsApp

Customer-specific channels, verification, consent and templates are configured before activation.

HMS information access

Read-only patient enquiries can be scoped with identity, consent and privacy checks.

Integration readiness

Messaging gateway foundation supports provider-neutral implementation once contracted.

07 / TRANSACTION CONTROL

Transaction & Profit Manager

For service and travel agencies that need transaction-level margin, pricing and expense control without running the business from separate spreadsheets.

ONE TRANSACTION. CLEAR FINANCIAL TRACE.

SERVICE	SELLING PRICE	COST	PROFIT
Visa / ticket / tour	Charge to customer	Supplier cost	Calculated margin

Ticket-level history links pricing, costs, expenses and accountable changes.

Transaction registers

Sales capture for tickets, visas and packages with margin calculation.

Price management

Airline, embassy and destination-related price lists with version history.

Expenses & balances

Opening balance, operating expenses, net-profit and cash-position reporting.

Traceability

Universal transaction references, filters, export, event history and role controls.

Custom deployment and rebranding for another customer are subject to agreed scope and configuration.

FROM DISCUSSION TO DEPLOYMENT

Start with your current workflow.

Tell us how your teams work today, where delays or manual handovers occur, and what management needs to see. We will map a practical scope, arrange a demonstration and agree the integration and rollout plan.

01 DISCOVER Understand current workflows, business priorities and existing systems.

02 VALIDATE Demonstrate the relevant product and define required configurations.

03 IMPLEMENT Agree data readiness, integrations, training, acceptance and support.



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