



AMT

Healthcare Solutions

Why work With us?



15
Year



**In Healthcare, Medical,
IT and Services**

5
Countries




**Where we
service**

123
Staff



Our Staff Strength



Our software products cover all requirements within a healthcare system. We design, build and operate solutions, managing over 150 Medical & Diagnostic Institutions across the world.

Our software solution includes Revenue Cycle Management (RCM), Health Insurance Contracts & Claims Management System, HMIS, eHealth, mHealth, EMR, Clinical & Radiological System, Medical Imaging System, and the Hospital ERP.

Our Approach

Our Industry Partners



Our Esteemed Clients - INDIA



GOVERNMENT OF WEST BENGAL
Health & Family Welfare Department
109 Hospitals &
4000 Health Centres



National Institute of Mental
Health & Neuro Sciences



136 Health Centers



YSR Aarogyasri
Health Care Trust



Our Esteemed Clients - MEA Region



مستشفى كينغز كوليدج لندن
King's College Hospital London



NATIONAL KIDNEY AND
TRANSPLANT INSTITUTE



مستشفى الإمارات
Emirates Hospital

جميرا
Jumeirah



Our Expertise

Solutioning



- ✓ 250- 1800 Bed Hospital
- ✓ 1 to 150 Hospitals and Chain
- ✓ 12-56 Module Stack built on Latest Technologies

Infrastructure



- ✓ Nation Wide Data Centres
- ✓ State-wide DC and DR
- ✓ Servers with 20 Million Patient data with 80TB Size

Data Migration



- ✓ 2 Years to 18 Years of Legacy Data
- ✓ Demographics, Clinical and Financial Data Migrated
- ✓ Successful Data Migration in more than 8 Healthcare Enterprises

Analytics



- ✓ Clinical Data Analytics
- ✓ Population Data Analytics
- ✓ Disease Data Analytics
- ✓ Machine Learning based Analytics

FUNCTIONAL & SOLUTION ARCHITECTURE

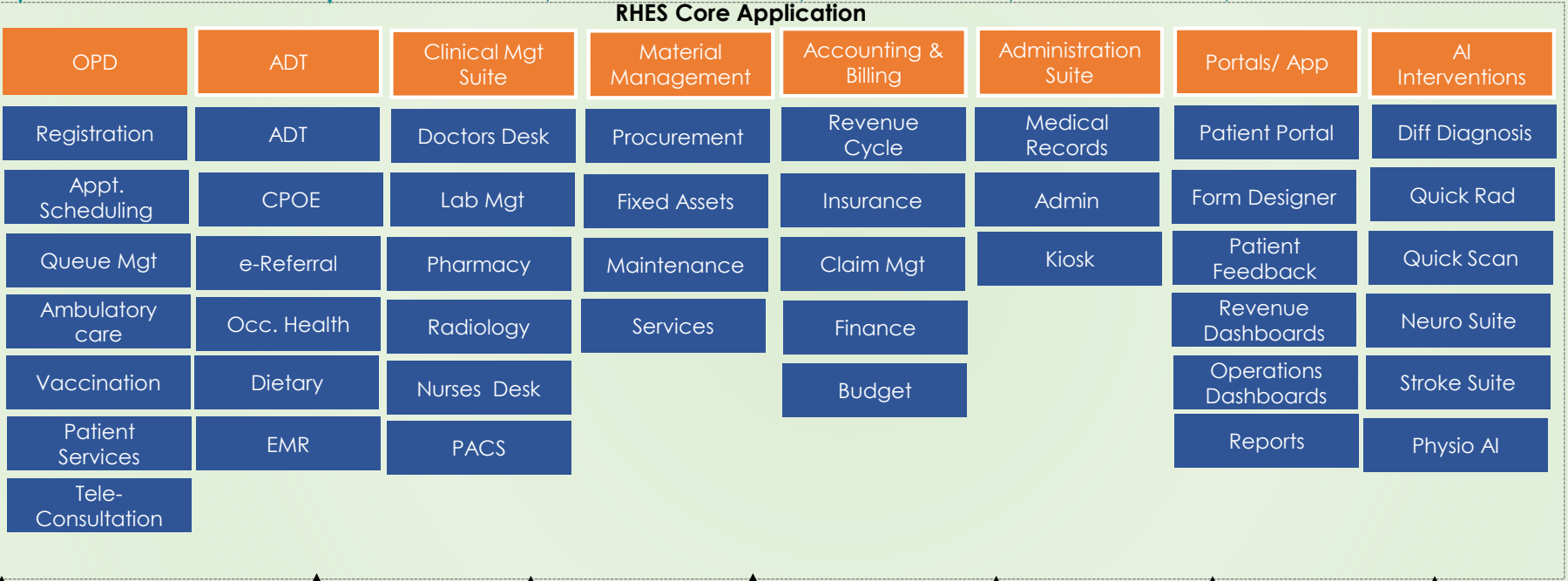
End User Devices



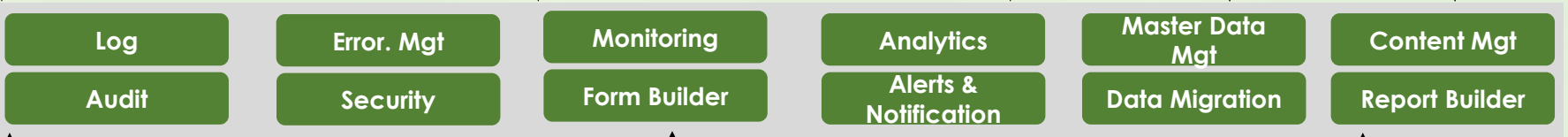
Visualization Layer



Application Layer



Framework



Data Layer



Interoperability

Availability

Scalability

Performance

Quality Layer

Encryption

Authorization

Single Sing On

Authentication

Security Layer



Medical Devices



Civil Registry



Payment Gateways



GOVT Portals



Active Directory

Solution Technology Stack

Service Channels

Clients Employees Health Authorities ISA/TPA Health Workers Analytics Support Admin Author

ANGULAR

JSF

RichFaces

Flutter

Load Balancer

NGINX
Part of F5

SECURITY

spring
SECURITY

MODEL VIEW

spring
MVC

BUSINESS SERVICE

spring
SERVICES

SPRING
JMS

APACHE
ACTIVE MQ

SPRING
JPA

HIBERNATE

SEARCH

EHCache

CACHING + SESSION
STORE

redis

RULE ENGINE

Drools

WORKFLOW

jBPM

SCHEDULER

QUARTZ

REPORTS

BiRT

Apache Tomcat



DATABASE

MySQL

ORACLE

OS

Red Hat

CentOS

Microsoft
Windows

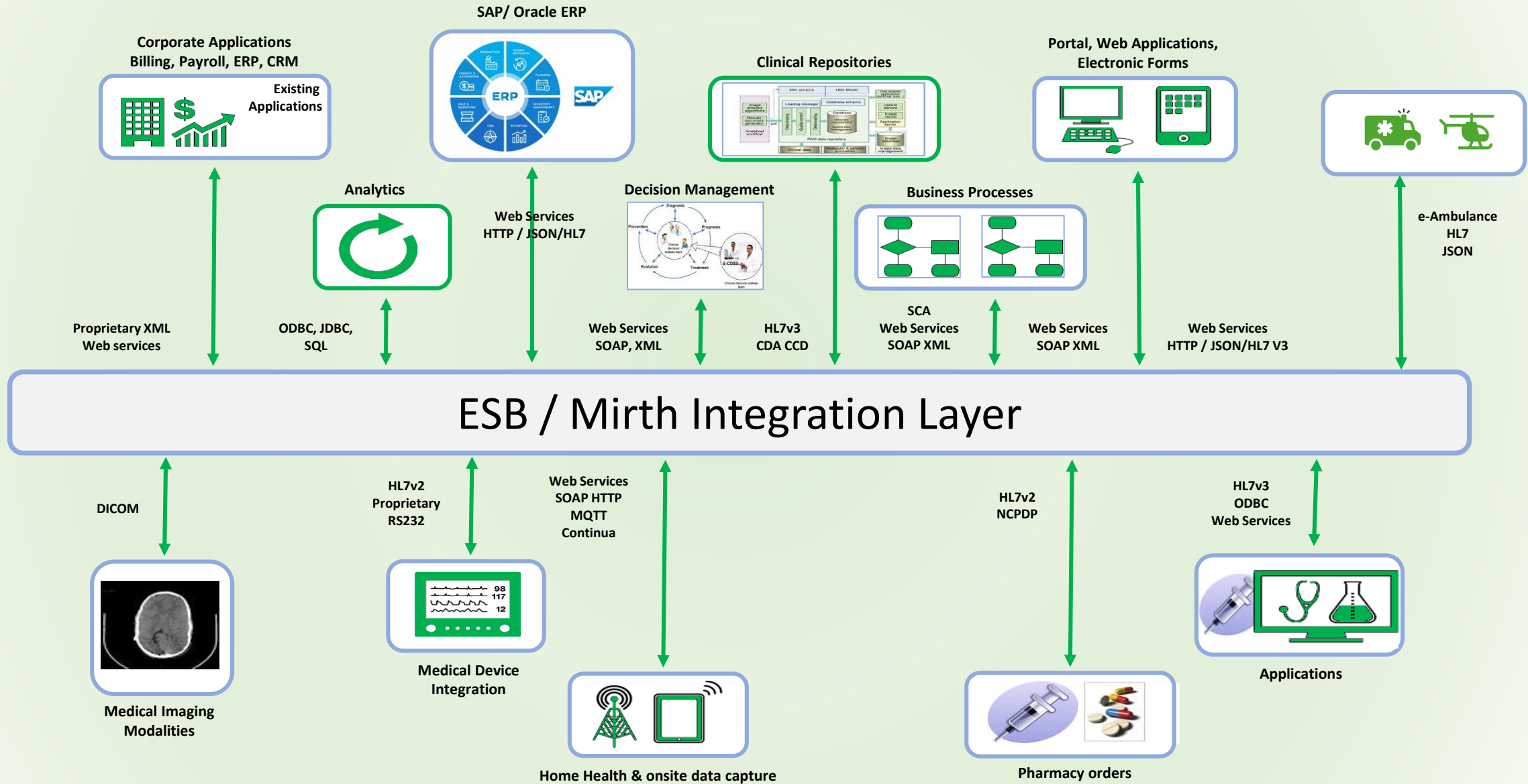
JAVA MELODY

MONITORING

mirth

ESB

Third Party Integration Using ESB/Mirth as Integration Layer



AI Interventions



- AI-Powered Differential Diagnosis - An intelligent clinical support solution where clinician input chief complaints and clinical parameters, and AI algorithms instantly suggest possible diagnoses enhancing decision-making, saving time, and improving patient outcomes.
- Tamper proof Voice to Text - Seamlessly capturing patient-doctor conversations through AIpowered Voice-to-Text, securely stored and verified on blockchain for trusted, tamper-proof medical records.
- Scribe to Text - Simplifying life for nurses and doctors by digitizing clinical documents in real-time no more bulky paper files, just seamless, instant access to patient records.
- AI Assistant for Interactive Appointment Booking - A smart, user-friendly virtual assistant designed to help users seamlessly book, reschedule, or cancel appointments through natural, real-time conversations.

45+

**Lab Equipment's Integrated
Seamlessly**

Bi-Directional Integrations



35+

**Imaging & Radiology
Modalities Integrated**

Using HL7 & DICOM Standards



55+

Portals & Other Medical Devices

HL7, FHIR, JSON & DB Integrations



Standards & Compliance

Industry Standard	Description
HIS Application Web 2.0	Web enabled application, Web 2.0
Information access/ transfer protocols	SOAP, HTTP/HTTPS
Interoperability	Web Services, Open standards
Information Security	System to be ISO 27001 compliant
Operational integrity & security management, SM	System to be ISO 17799 compliant, ISO 20000
IT Infrastructure management	ITIL / EITM specifications
Project Documentation	IEEE/ISO specifications for documentation
Internet Protocol	IPv6 ready equipment
UHID	Unique Health Identifier, as a unique (primary or secondary) patient identifier.
Medical standards	DICOM 3.0 Compliant
HL 7 / FHIR	Seamless handling of inbound and outbound HL7 messages from any system that has similar capabilities; V2.3 or above
Equipment compatibility	All equipment will be used with international bench-marks that are workable in India
Meta Data and Data Standards (MDDS)	The HIS Solution shall adhere to Meta Data and Data Standards (MDDS) as approved by the Ministry of Health & Family Welfare, Government of India.
International Classification of Traditional Medicine (ICTM)	Ayurveda, Yoga, Unani, Siddha, Homeopathy systems of medicine as distinct from the allopathic (Western) system of medicine



WhatsApp Business

- Welcome Messages
- Appointments Scheduling
- Payment Confirmations
- Invoice / Receipts Sharing
- General Reminders
- Admission Notifications
- Transfer Notifications
- Discharge Notifications
- Payment Due Notifications
- Critical Value Alerts for Labs
- Vaccination Reminders
- Awareness Campaign messages
- 24/7 Chatbot



SMS Gateways

- Time-slot or token updates
- Appt Rescheduling Alerts
- Appt Cancellation Alerts
- Results Ready Alerts
- Payment Links
- Insurance approval/rejection alerts
- OTP Validations
- Comply with Telecom Regulations.



POS Integration

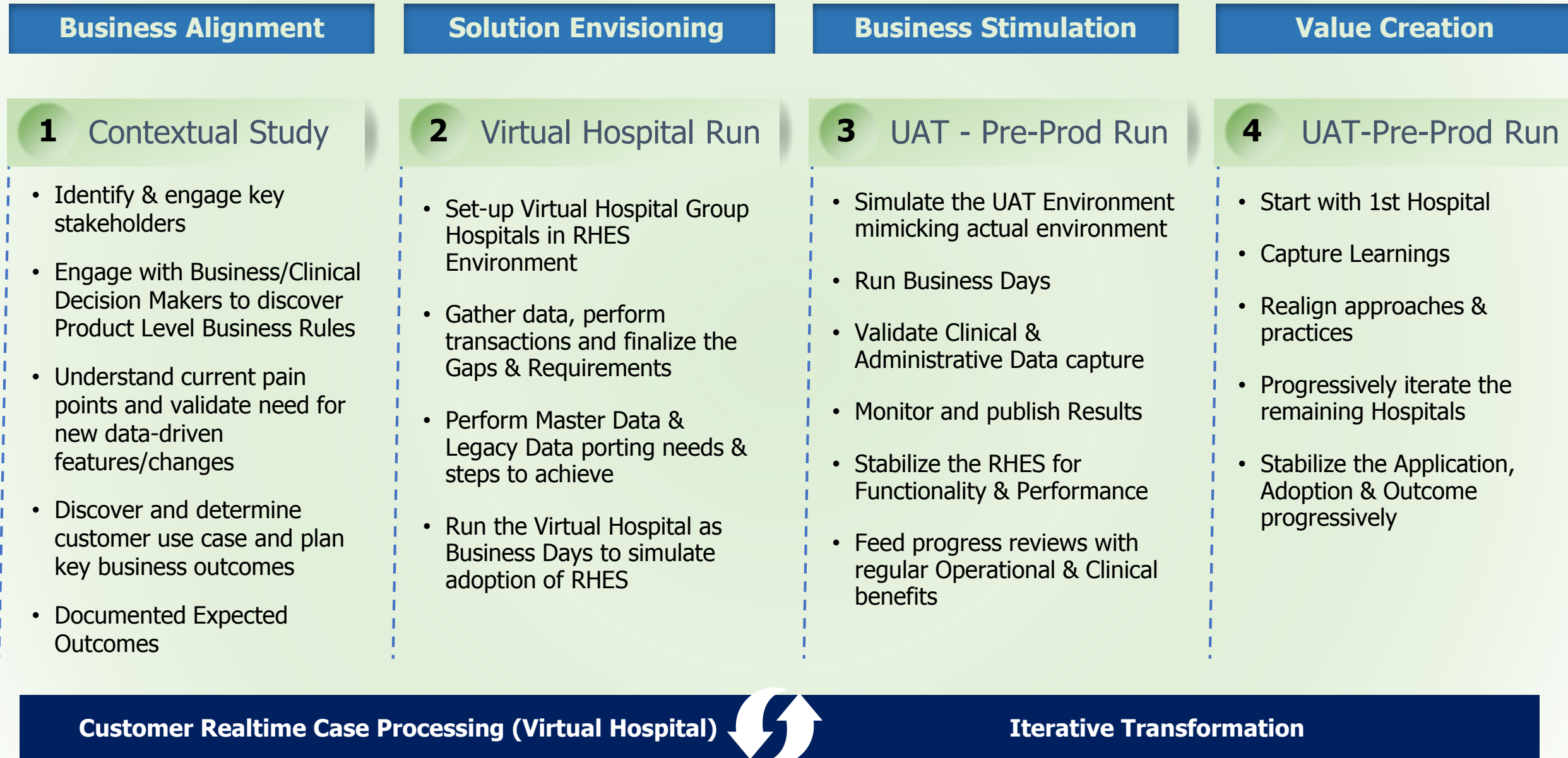
- POS Integration
- Real Time Bill Payment
- Multi-Mode Payment Support
- Centralized Billing Dashboard
- Dedicated Reports for POS Payments
- Error Free Payment Reconciliation
- Counter wise POS Mapping
- Refund & Cancellation Handling
- Integrated with Finance



Kiosk Integration

- Patient Self-Registration / Check-In
- Appointment Mgt
- Demographic & ABHA Updates
- Bill Payment & Invoice Printing
- Reports Access & Printing
- Token / Queue System Integration
- Feedback Collection / Patient Survey

Our Engagement Process - High Level View





AMT
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Contact Us

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