

APEX

HEALTH INFORMATION MANAGEMENT PLATFORM

THE HEART OF YOUR HEALTHCARE

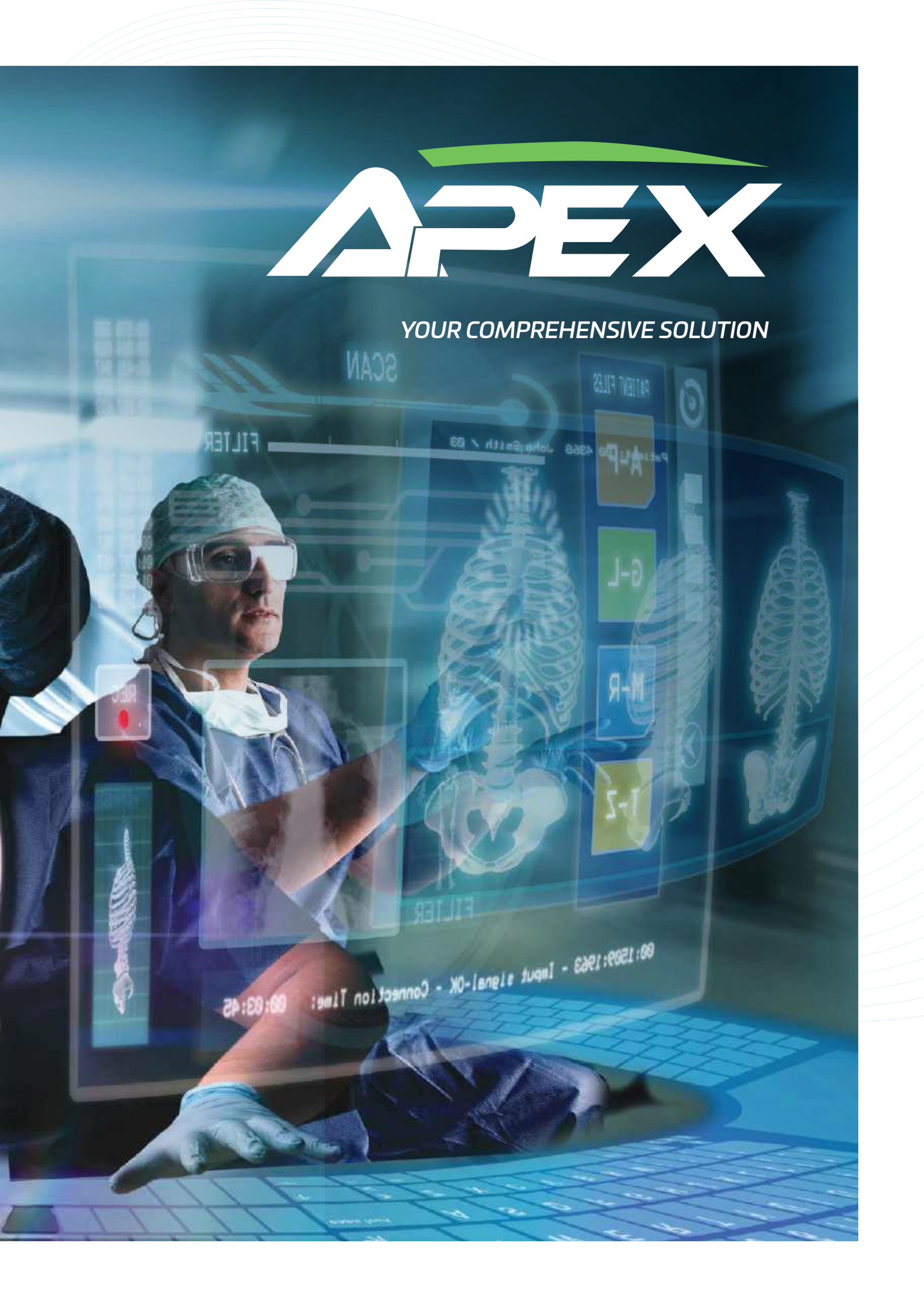


SOLUTION PROFILE



APEX

YOUR COMPREHENSIVE SOLUTION





CONTENTS

WORD ABOUT US	05
VISION, MISSION & VALUES	06
OUR STORY	07
About APEX	08
APEX Overview: Your All-in-One Hospital Management Solution	09
APEX Features	10
Standard Edition Features	12
Enterprise Edition Features	26
We Provide For	44
Committed to Quality & Services	45
Why Partner with Us	46
Contact Us	47







Dimensions

INFORMATION TECHNOLOGY



WORD ABOUT US

Dimensions Information Technology (DIT) Company was established in 2010 as an arm of Dimensions Group, which hosts several companies specializing in regional business solutions and consultancy services. The group is characterized by an extensive client base ranging from multinational corporations, public sector entities, and SMEs in the MENA region.

The team at DIT has extensive knowledge and expertise in IT, HIS, Telecom, Banking, Energy, Utilities, and Manufacturing amongst others. The team adopts a holistic approach in providing solutions and services to partners and clients to drive transformation and facilitate growth. Our track record demonstrates a deep understanding of various business environments and contexts, enabling us to share and apply the knowledge of organizational planning, development, and monitoring in answering client needs. Our team is also devoted to utilizing comprehensive analyses for the provision of tailored solutions. An aspect we consider key for continuous evolution and innovation. DIT works tirelessly to bring its clients reliable, cost effective and streamlined solutions.

For the past ten years, we have played an integral part in the growth and progress of the regional ecosystem, having worked with clients to facilitate their success through prosperous and challenging economic environments alike.

Since its founding, DIT has offered its professional services and solutions to more than 1,000 entities locally and regionally. A number it continues to expand in its reach for more industries and economies.

VISION, MISSION & VALUES



VISION, MISSION

Enable healthcare professionals to be efficient & deliver quality services.



VALUES

- Accountable
- Service Oriented
- Teamwork efforts
- Deliver on promise
- Highly professional
- Healthcare solution expert
- Work for today & think for tomorrow

OUR STORY



We strongly believe that Information and Communication are critical to the success of health facilities, due to the rapid growth in medical treatments and the advancement of healthcare facilities, hence we at Dimensions Information Technology decided to develop **APEX HIS** focusing on information and communications keeping in mind:



Data being at the core of all hospital departments and their members.



Data's large volume and consequent need for effective management



Accessibility to frequently required data is essential for efficient service delivery.

APEX HIS is developed to be the memory and nervous system of healthcare facilities, enabling effective and efficient hospital management, for the comfort and safety of patients. Integrations with external devices and systems used in healthcare facilities are streamlined.



ABOUT **APEX**

APEX is a Health Information Management Platform designed to modernize Health care providers management and enhance patient care.

APEX serves as the backbone of healthcare facilities, offering an integrated, intelligent system that streamlines operations. By managing the complexities of patient data, administrative tasks, and clinical processes, APEX ensures accessibility, compliance, and innovation at every level.

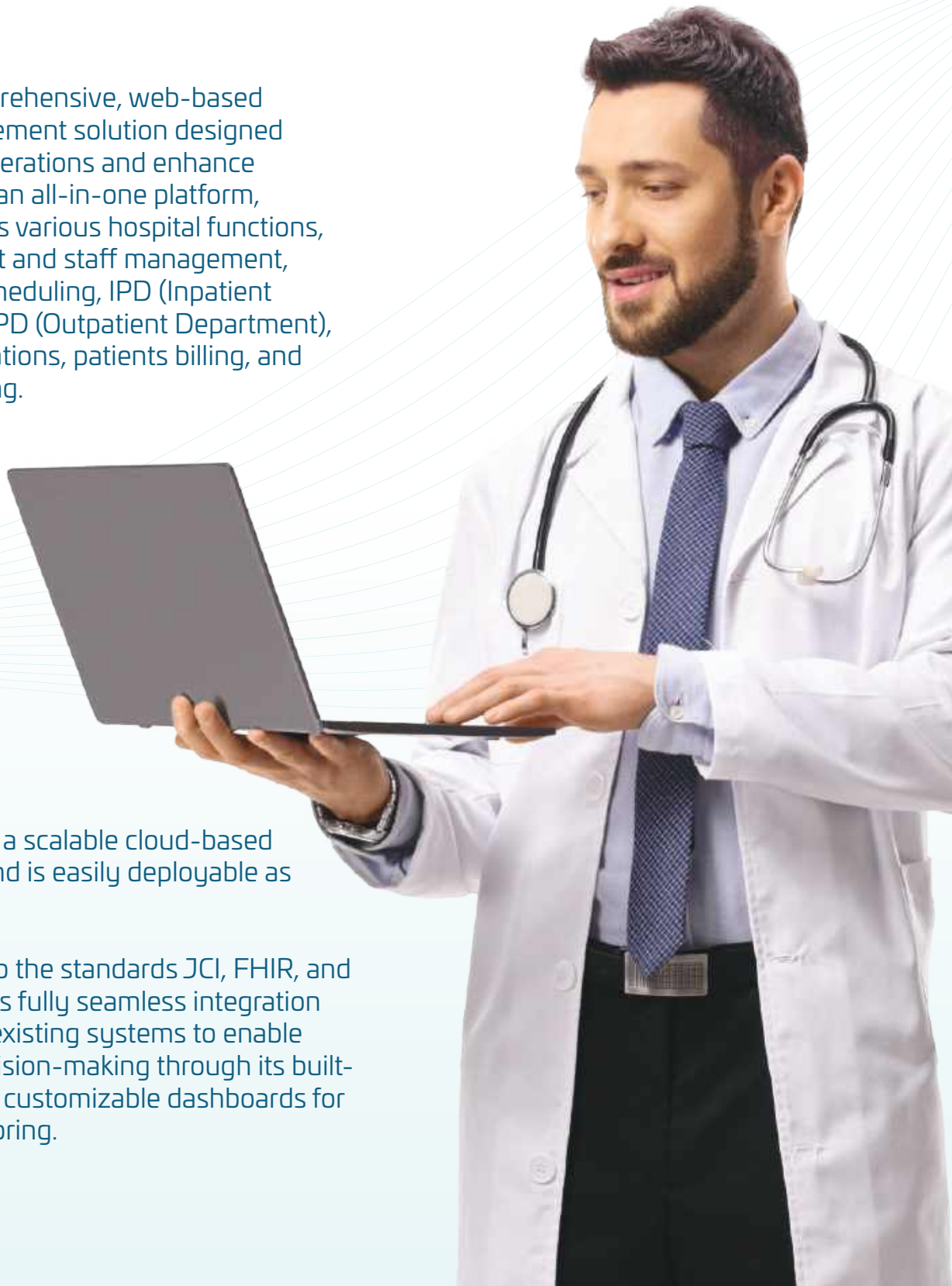
APEX Platform delivers end-to-end solutions, seamlessly connecting all aspects of healthcare operations to raise quality and control costs. Trusted by healthcare providers across the MENA, our platform empowers professionals to deliver exceptional care while driving advancements in healthcare systems.

YOUR ALL-IN-ONE HOSPITAL MANAGEMENT SOLUTION

APEX is a comprehensive, web-based hospital management solution designed to streamline operations and enhance patient care. As an all-in-one platform, APEX centralizes various hospital functions, including patient and staff management, appointment scheduling, IPD (Inpatient Department), OPD (Outpatient Department), pharmacy operations, patients billing, and detailed reporting.

APEX leverages a scalable cloud-based infrastructure and is easily deployable as SaaS solution.

APEX adheres to the standards JCI, FHIR, and HL7 and ensures fully seamless integration with ERPs and existing systems to enable data-driven decision-making through its built-in reporting and customizable dashboards for real-time monitoring.



APEX IS NOT ONLY

COMPREHENSIVE & INTELLIGENT,



It contains all features required to operate hospitals efficiently.



Accessible from anywhere in the world on any device, enabling patients to manage appointments and physicians to view and manage patient records and appointments alike.



Access to the system is managed using an Authority Based Matrix; each user's privileges are configured in accordance with hospital rules and policies.



The interface is user friendly with considerations of patient interactions.



Accreditation enabler: the system is compliant with key international standards.



The patients' portal enables the establishment of a hospital community.



The system's dashboard is customizable to enable healthcare management to monitor key performance indicators.



APEX System can send pre-configured notifications to patients and staff, including birthday greetings, document approvals, etc.

STANDARD EDITION FEATURES



APEX





PATIENT REGISTRATION & FRONT DESK

Allows the registration department to create profiles for registered patients including demographic information, contact information, payment methods, relations, blood grouping, and more. In addition to the creation of new encounters for registered patients.



ELECTRONIC MEDICAL RECORD (EMR/ EHR)

Provides access to all details of a patient's medical journey. This includes their encounters, visit details, past medical history, operations, medication, reports, forms, transfer transactions, order results for each encounter, services, and consultations.





CASUALTY EMERGENCY MANAGEMENT

Allows medical staff to deal with ER patients' cases urgently, where they can access their profiles, perform and document all related treatment information. This includes diagnosis, patient condition on arrival, nursing assessments, and physician orders. Through this module the ability to register unidentified critical cases swiftly is made possible.



APPOINTMENT & SCHEDULING

Gives the ability to manage patient's appointments, print an appointment slip for each patient, and create new appointments for them. Based on the facility, appointments can be made for a specific physician\staff, department, machine, or even an operation. In addition to the ability of registering new patients directly. Additional features such as notifications and online booking are also provided.





OUTPATIENT CLINICS

Allows medical staff to interact with clinic patients, perform assessments, record complaints, diagnose, outline medical history, request test orders, and prescribe medication. Additionally, the system enables staff to create follow-up appointment requests.



TRIAGE & NURSE STATION

The initial triage assessment is conducted by a triage nurse, who then completes a full assessment before the patient is seen by a physician. This assessment includes recording the patient's complaints, vital signs, warnings, and allergies. Additionally, there is triage capability for ophthalmic clinics as well.





INPATIENT/ ADMISSION MANAGEMENT

In the admission process, the medical staff: Nurse, Anesthesiologist, and Physicians, make a full assessment for arriving patients to consult on treatments, need for inpatient monitoring, or potential surgery.

Through the Inpatient Module, the medical staff can manage patient admission into the facility and manage patient treatment such as diagnosis, past medical history, internal physician orders, medication administration, fluid administration, and test orders tracking. Moreover, nurses can manage patient transfers across wards.





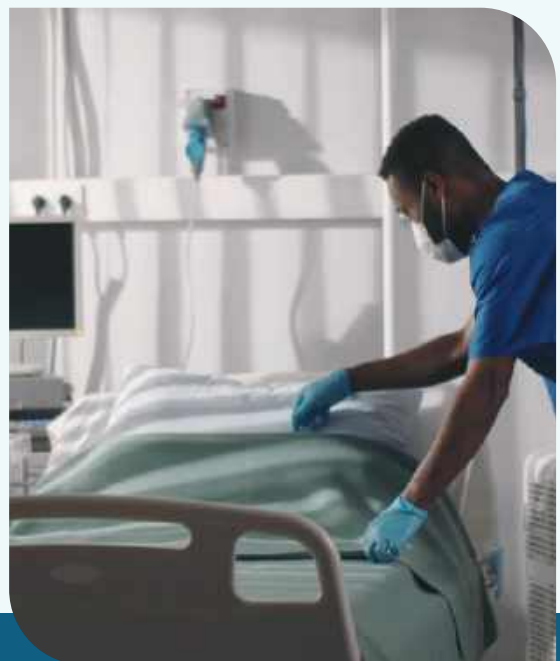
SERVICE ORDER PROCESSING, CPOE

Gives the ability to physicians to perform automated, direct, orders including medications, diagnostics tests (laboratory, radiology, pathology and other) in addition to daily orders as observations, dressing change, position change and way more. There orders are automated and computerized in linked manner to save efforts and time to help perform diagnosis and treatment efficiently.



BED MANAGEMENT/ WARD TRANSFER

The system provide the ability to defining rooms and beds within hospital departments, and organizing the process of accommodation and booking of beds, in addition to organizing the evacuation and cleaning process, and even transferring patients between beds, in the same department or between different departments. Also, the transfer of patients between departments in the same hospital is also organized and make sure all requirements are completed for the success of the transfer process without errors or mistakes.





DIAGNOSTIC LABORATORY & PATHOLOGY

Allows laboratory technicians to receive internal test orders sent from internal wards. Subsequently enabling them to review, accept, or reject orders. Furthermore, the system enables them to assess the need to send tests to external labs and enter results automatically through machine integration. Automation also encompasses printing result sheets, pathological report for pathology tests, and other functionalities.



DIAGNOSTIC RADIOLOGY

Designed to monitor and fulfill radiological requests related to polyclinic patients, inpatients, and other patients. Allowing Radiology technicians to receive imaging orders sent from the internal wards and the external referral module. Technicians are thus able to review the orders, accept or reject them, fill radiology reports, print reports, and more.





SURGICAL THEATER

This module helps to administer the operating room's medical and non-medical activities by managing appointment scheduling and rescheduling, theater related personnel (surgeons, anesthetist, nurse, technician, etc.) and surgical materials. The patient's operation cycle is managed starting from the pre-operation checklist conformation, documenting the Interoperation note which includes the nurse notes and anesthesia monitoring, sign-in and sign-out notes in addition to time out and post-operative phase, ending up with physician operation notes and post operations checklist. After the patient's recovery, the nurse can return the patient to the inpatient ward to complete the treatment plan and to be followed-up.

The operating room is integrated with the inventory management module that tracks all the medical parts, medications and disposables that were consumed

during the procedure, which helps in maintaining accurate inventory records. In addition to item sterilization check-ups pre and post operation.





PHARMACY SYSTEM

Pharmacy module is designed to fulfill the pharmaceutical needs and related business processes that enables managing of medication administration from the time of order placement to administration or dispensing of medication to patients. Where the pharmacist receives internal drug orders and manage them, accept or refuse an order and medically approve doses. In addition to prepare the medications for patients and dispense them. Moreover, the pharmacist can track the administration by Kardex view. Also, pharmacist can manage and track home-medication doses. In addition to Narcotics and controlled medication tracking.



POINT OF SALE

Where the cashiers are managed and balances are tracked, for each point of sale such as the pharmacy. For prescription dispensing, the pharmacy will use the point of sale to track item dispensing and balance tracking through sale orders management.





PATIENT BILLING & ACCOUNTING

where the accounting staff can manage all billing-related functions and activities, such as payments, invoice management, discounts, service management, recalculations, and invoice generation detailing owed amounts and related medical services. It is designed to ensure that package agreements between hospitals and establishments are processed within the system, tracking agreements concluded with the employers of patients' receiving treatment as well as allocated prices.



DISCHARGE MANAGEMENT/ DISCHARGE REQUEST

Controlling the discharge process for patients from hospitals, clinics, and the emergency department by issuing a discharge report and ensuring that all discharge requirements are completed. These requirements cover termination of treatment and financial clearances.





INSURANCE & CLAIMS MANAGEMENT

Through the system, price lists for insurance companies are defined, and when a patient is linked to an insurance company, bills and services are scheduled accurately based on that, and patient accounts and insurance claims are followed up in an easy, fast and efficient manner. Also, system ability to generate invoices for insurance companies and insured patients as well.



REPORTING

Set of reports will be available for each module/system. With flexible reporting that allows user to generate many reports based on given attributes in define periods, which gives the ability to perform daily, monthly and annual reports using high-accuracy standards and using various data selected by the users to help them to accomplish tasks accurately.





ADMINISTRATION & DATA SETUP

In the Administration Module, the super admin can define and manage main components of the system, such as facilities, modules, departments, users, roles, configurations, and settings.

In the Data Setup Module, the admin of the system defines and manage data and parameters to be used throughout the system. Parameters and data can include price lists, department rooms and beds, list of values, warehouses, drugs, procedures, services, and others.



APEX





APEX

***ENTERPRISE
EDITION
FEATURES***



Medical record

Blurred text on the laptop screen, likely representing a medical record interface with multiple columns of data.



BLOOD BANK

This module is designed to manage blood components' information that are stored and preserved at the blood bank. The module contains a product management screen that shows available blood units and other components like Plasma, Platelets, Packed RBCs, etc. Also enabling tracking of the donation process and provisions of blood components to direct patient or the blood bank. This module also manages the blood orders that are sent from physicians for a specific patient and manages the crossmatch testing to supply the most accurate blood component for patients. Moreover, detailed information such as blood donation date, validity, availability, blood transfusion process, and other blood bank related activities are maintained.





DOCTOR ROUND

A smart application that allows physicians to follow daily rounds of patients within the same department or in different ones, through which they can follow up on patients, visit files, navigate between different sections in patient files to conduct assessment and examination, perform orders such as tests, fluids, medicines, consultations, and others. In addition to displaying the results of previous examinations.



GENETICS LABORATORY

In this Module the genetic laboratory technician receives genetic test orders, manages them, and enters test results, to be reflected on the patient profile. In addition to the ability to search through existing orders by several parameters.





ONCOLOGY PROTOCOL

The oncology module enables the creation and linkage of protocols with medications and actions, incorporating dynamic calculations based on weight, height, and the number of sessions required, along with a summary as needed. Administrators have the capability to define new treatment protocols. This module supports the entire patient journey from registration through diagnosis, follow-up, and the provision of personalized treatment plans tailored to the type and stage of cancer and the patient's specific condition.



OBSTETRICS

This module aims to control the processes performed during antenatal pregnancy checkups and labor. Healthcare staff including physicians, nurses, and midwives can easily track and record antenatal visits efficiently, track fetal development throughout visits, and record ultrasound readings precisely. This functionality supports the tracking and monitoring of the delivery process using the WHO partograph, culminating in childbirth. It allows for the recording of delivery details and newborn parameters, providing a comprehensive overview of the end of the pregnancy journey.





STERILIZATION

This module manages and tracks the sterilization process for items and equipment. Through this module, the sterilization orders for used items sent from any department are received and managed, with documentation of all sterilization steps like washing, cleaning, drying, and packing. In addition to managing machine sterilization tests. This module provides users with inventory information for items requiring sterilization, available in pack/set or individual quantities. It facilitates tracking of such items as they are received and issued to various hospital departments, including the Operating Theater (OT), Catheterization Lab (Cath Lab), Intensive Care Unit (ICU), Emergency, and Ward. Additionally, it enables monitoring of the reuse allowance and documents the sterilization procedures.



PHYSIOTHERAPY

In this module, physiotherapists can manage and track physiotherapy session orders that are sent internally by the physician. In addition to filling a complete physiotherapy assessment and setting dates for upcoming follow-up visits.





NUTRITION

This module pertains to where nutritionists perform comprehensive assessments for patients who need specific nutritional attention based on internal orders and subsequently create follow-up visits for further monitoring.



CATHETERIZATION

Allows medical staff: nurses, anesthesiologists, and physicians to control catheterization operations for patients. Through this module, the medical staff receive a catheterization request and perform required assessments pre and post the catheterization procedures. This includes nursing assessments and anesthesia records. Ultimately a catheterization report is filled by the surgeon physician.





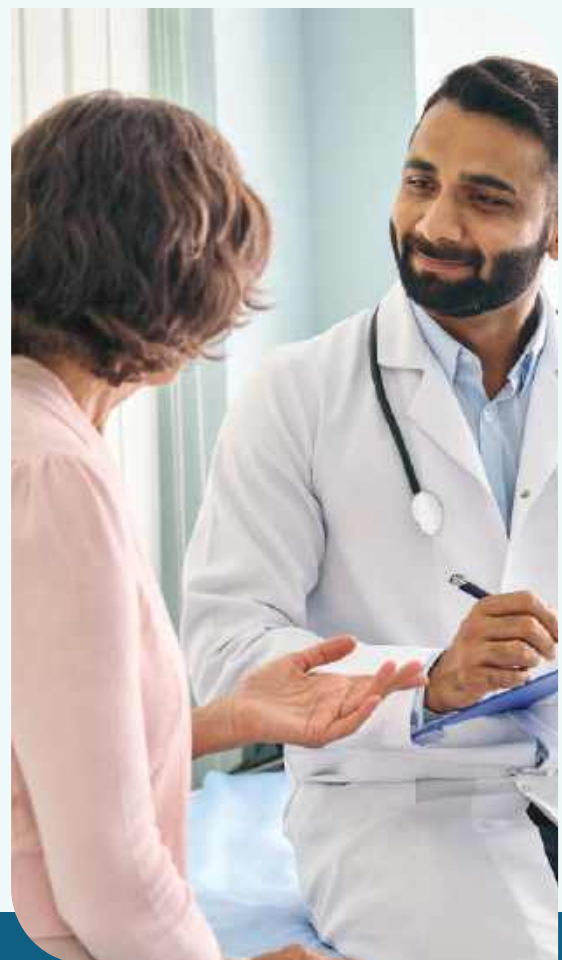
PROCEDURES (ERCP, ENDOSCOPY)

This module allows medical staff—nurses, anesthesiologists (if anesthesia is required), and physicians—to manage medical procedures. It supports the intake of procedure requests, execution of pre- and post-procedure assessments (including nursing assessments and anesthesia records when needed), and culminates in the completion of a detailed procedure report by the physician based on the outcomes of the procedure performed.



CONSULTATION

In this module, physicians can initiate, perform, and request consultations. Consultant physicians receive consultation orders through the system, review these consultations, provide responses with specific notes, and may add additional services to the consultation as necessary.





SPECIALTY PRACTICE

Designed to support a wide range of healthcare providers and decision-makers, this module offers specialized features and interfaces to facilitate observation, monitoring, and treatment more conveniently and effectively. It includes tailored screens for various specialty areas such as NICU, PICU, ICU, Obstetrics, Ophthalmology, Cardiology, among others.



MORGUE

This module manages the intake of deceased patients, recording essential details such as personal and encounter information, and final diagnoses. It tracks the placement of the body within the facility, noting refrigerator and shelf locations, and allows for the generation of death reports.





LAUNDRY

In this module laundry processes are managed and performed. Laundry orders from all departments are received regarding dirty pillows, clothes, blankets, etc. The laundry department can track the cleaning process, count, and delivery to departments. In addition, laundry orders can be created by the laundry department itself.



TRANSPORTATION

Through this module, transportation processes are tracked and managed, with the possibility of transportation orders to be created. Transportation features can be used for patient, staff, and item transportations. The details of each transportation process is managed including destination, departure time, arrival time, transportation vehicle, fuel consumption, and designated driver.





HR & PAYROLL

HR is maintained and managed by the SVEN application which delivers a robust set of best-in-class human resources functionality. The functionality enables managers to increase productivity, accelerate business performance, and lower cost of communication. SVEN consists of various modules that are designed to help employees and management perform at their fullest potential. The application is implemented by businesses of all sizes to boost productivity and overall employee satisfaction as an indicator of productivity, amongst other benefits.



PHYSICIAN AGREEMENT

This module allows the definition of physicians and their commission/share on services based on different attributes (matrix). It calculates commissions for each physician and integrates these calculations with the ERP system.





MAINTENANCE

This system manages fixed assets and machinery, coordinating their distribution within the facility. It facilitates periodic maintenance, tracks malfunctions, and manages task assignments to maintenance staff, monitoring task completion.



PURCHASE REQUISITION

The Purchasing Module handles the management of item purchases from creating purchase orders to documenting the delivery of ordered items. It also enables the purchasing department to generate reports related to the purchasing process.





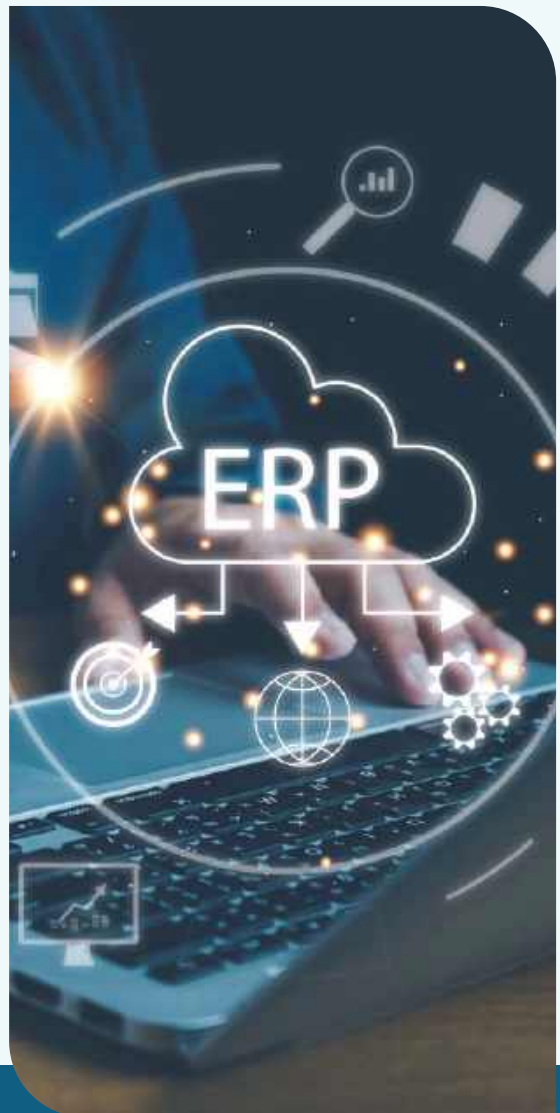
MATERIAL MANAGEMENT

Managed through the Inventory Management Module, this system allows departments to control their own stock transactions including load-ins and load-outs. It manages item transfers and refill orders between facility warehouses. Additionally, responsible nurses can manage medication administration reconciliation within this module, which is also designed to support general stock procedures.



ERP INTEGRATION

The ERP Integration Module incorporates posted system transactions with ERP including payment postings, invoiced postings, inventory transaction postings, debits adjustments, and others.





MACHINE INTERFACING

Through this feature when user engage in tasks through automated system and integrated machines especially laboratory machines, when minimize manually entry in some areas this will save time and reduce possible errors which enrich the complete process.



PACS INTEGRATION

The system has the ability to be integrated with PACS, a picture archiving and communications system, incorporating reports, radiology images, and records for instance.





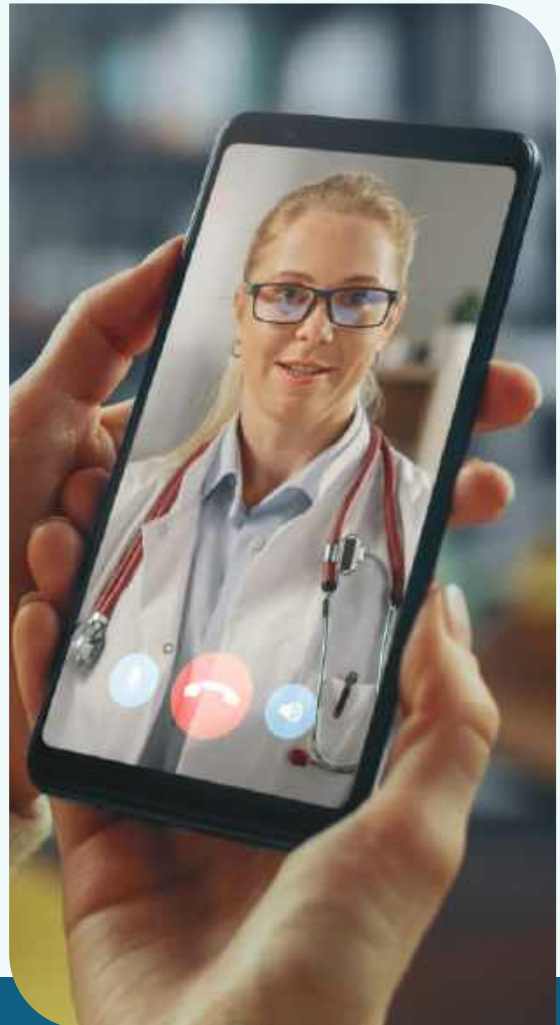
E-CLAIMS & E-PRESCRIPTIONS

These functionalities facilitate the management of treatments, automate medication dispensing, and streamline swift insurance claim processing, improving healthcare service efficiency and accuracy.



PATIENT SELF SERVICE

This feature enables patients to independently manage activities such as appointment bookings, appointment tracking, and personal medical record access remotely.





PATIENT PORTAL

A smart application for mobile phones and tablets that helps patients perform various activities on their own, such as booking appointments, following up on observations and vital signs, body measurements, test results, medications and contacting privately with healthcare providers. In other words, it is the patient's portal to their health system. The application also provides the ability to follow up on other dependents, such as parents and children.



NOTIFICATION SYSTEM

This module allows for the configuration of various notifications for events like birthdays, approval requests, and document expirations, with customizable delivery options such as SMS or email.





MANAGEMENT DASHBOARD

Provides multiple dashboards for monitoring critical parameters like pharmacy stocks, patient admissions, and operations, supporting effective management and decision-making.



REPORT DESIGN TOOL

This tool gives allows users the ability to design and organize different reports facilitating the creation, export, and printing of customized documents within the system.





FORM BUILDER

This tool gives allows the user to create and embed different forms (as screen) within the system, this functionality also facilitates exporting and printing.



ASSESSMENT BUILDER

Enables the creation of customizable assessment screens within the system, enhancing the capability to evaluate and respond to patient needs effectively.



WE PROVIDE FOR!



HOSPITALS

- EMR / EHR
- Administration
- Ward and Bed Management
- Treatment Care Plan
- Medication, Labs , Blood Bank, and other
- CPOE
- Financial Control
- Logistics



CLINICS/CENTERS

- EMR
- Appointments
- Nursing Assessment
- Clinic Visit and Follow up
- Labs
- Prescription
- Financial Control



INTEROPERABILITY

- Machine Integration
- E-Claim , E- Authorization
- ERP Integration
- HR Features
- CDSS
- Reporting



ANCILLARY SERVICES

- Stock Control
- Laboratory Management
- Radiology Management
- Blood Bank
- Specialty Screens
- Physiotherapy
- Sterilization
- And much more

COMMITTED TO QUALITY & SERVICES

*We FULFILL the need of healthcare providers for
Domestic, Regulated, & Rest of the World Markets
Specially in the MENA region Market.*

Why Us?

- **Strong Working:** Our solid foundation enables us to deliver reliable, scalable solutions tailored to the needs of healthcare providers.
- **Focused on Partnership Growth:** We are capable of supporting our partners in expanding their business rapidly and effectively.
- **Sustainable Commitment:** We prioritize maintaining steady quality, being open and honest with our clients, and offering competitive pricing to ensure long-term value and trust.
- **Comprehensive Expertise in Healthcare Solutions:** APEX HIS provides a holistic approach to healthcare providers management, integrating advanced features for seamless operation.



Quality Assurance

At APEX HIS, we're dedicated to delivering exceptional healthcare solutions. Our rigorous development process ensures compliance with international standards, safeguarding data integrity, enhancing system interoperability, and delivering reliable performance across diverse healthcare settings.



Client Satisfaction

We're committed to empowering healthcare providers. By prioritizing efficiency, user-friendliness, and a customer-centric approach, we've built a strong reputation for delivering innovative solutions that enhance patient outcomes. Our ethical business practices and unwavering support foster lasting partnerships and trust.

WHY PARTNER WITH US

Elevate Your Healthcare Operations



We're your trusted partner in driving healthcare innovation. Our core focus is on "Enhancing Healthcare Operations Through Intelligent Solutions".



Having implemented APEX for numerous partners aiming to modernize their facilities and streamline workflows, we have cultivated a robust network of stakeholders. This network allows us to deeply understand the unique challenges faced by healthcare providers and deliver solutions tailored to their specific needs. Our past and ongoing projects focus on enhancing operational efficiency, enabling data-driven decision-making, and ensuring compliance with international standards.

Innovation is at the heart of APEX, driving operational success and ensuring our platform evolves with the needs of the healthcare industry. We provide enhanced systems for data analysis, business intelligence, and process management. With a strong focus on Data Security and Information Integrity, APEX minimizes risks and data breaches, ensuring that sensitive patient information remains secure.

Partnering with us means gaining a dedicated ally committed to transforming healthcare systems, improving efficiency, and raising the standard of care.

WE PROVIDE **SOLUTION!**



We understand the requirements and situation
Apex can be **customized** and **integrated** with other
solutions to provide the hospital with a **state-of-art**
solution towards its current and potential future needs,
supported with a local team.

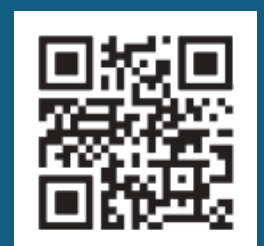
Ready to elevate your healthcare operations?

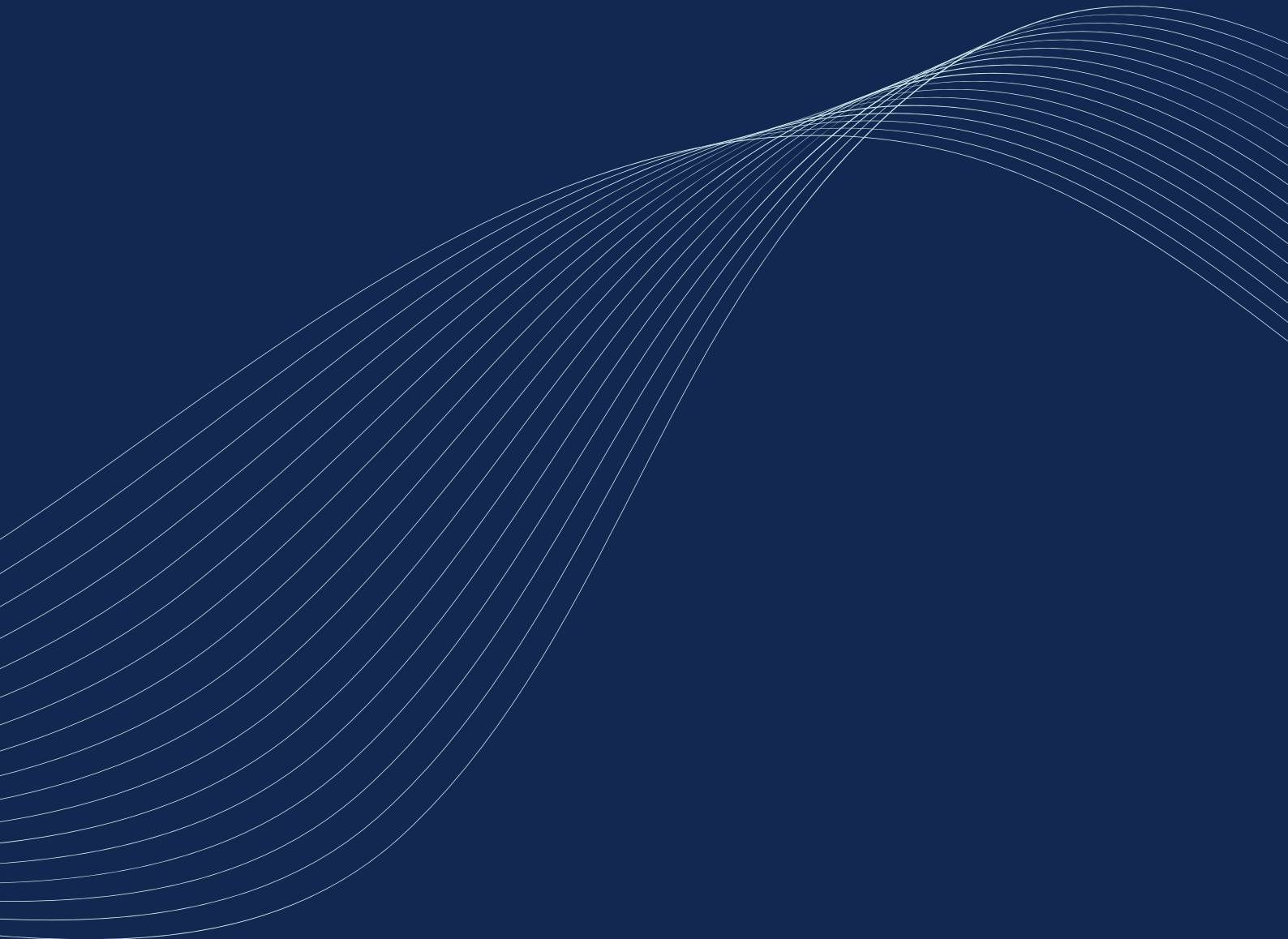
Take the first step toward transforming your healthcare operations with APEX. Contact us now to learn more and schedule your demo to experience the difference!



CONTACT US

E-MAIL: info@dimensions-infotech.com
www.dimensions-infotech.com





SOLUTION PROFILE