



Laboratory Information Management System



A PRODUCT OF BITLOGIX(PVT)LTD



RNP IT SOLUTIONS LTD

BITLOGIX E.A LOYAL PARTNER

What is Nexus Pro?

From Front Desk to Report Delivery & Everything in Between, A modular 'Laboratory' & 'Patient' Information Solution for automating your diagnostic processes & managing lab-ops better



**Automates
Customer
Experience**



**Manage Custom
Workflows**



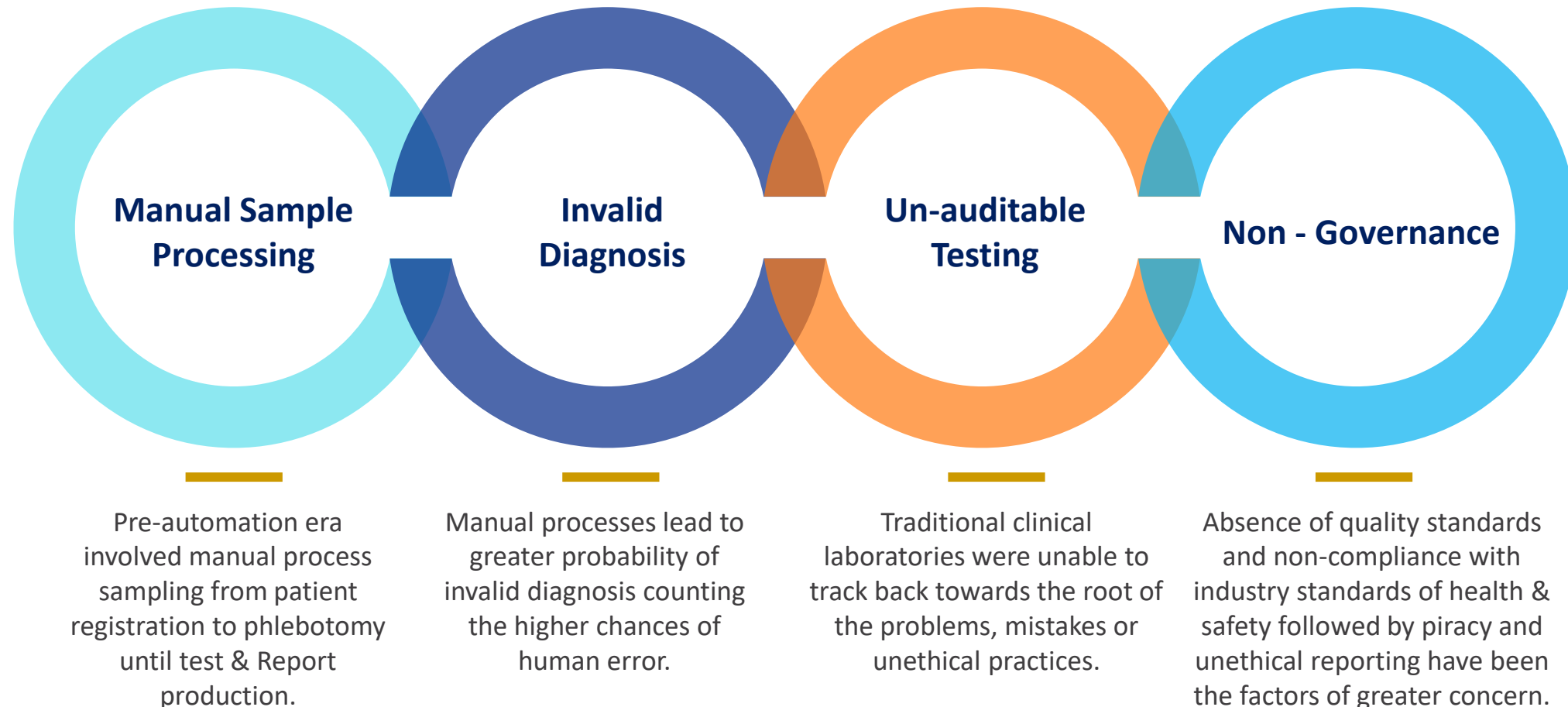
**Enable
Analyzers
Integration**



**Hybrid – On
Premise Cloud**

Key Problems

Key challenges of Pathology & Radiology Testing



Our Solution

(Innovation & Technology)

Nexus Pro covers end-end processes of a modern pathology & Radiology Lab to augment health servicing and enabling benchmark industry practices

Tech Stack:

- ASP.NET
- React
- SQL Server
- Flutter



Automated Lab Management

End-End Lab Process Automation

Automated Customer Experience

Digitization from Patient Registration to Loyalty Points

Quality Compliant Solution

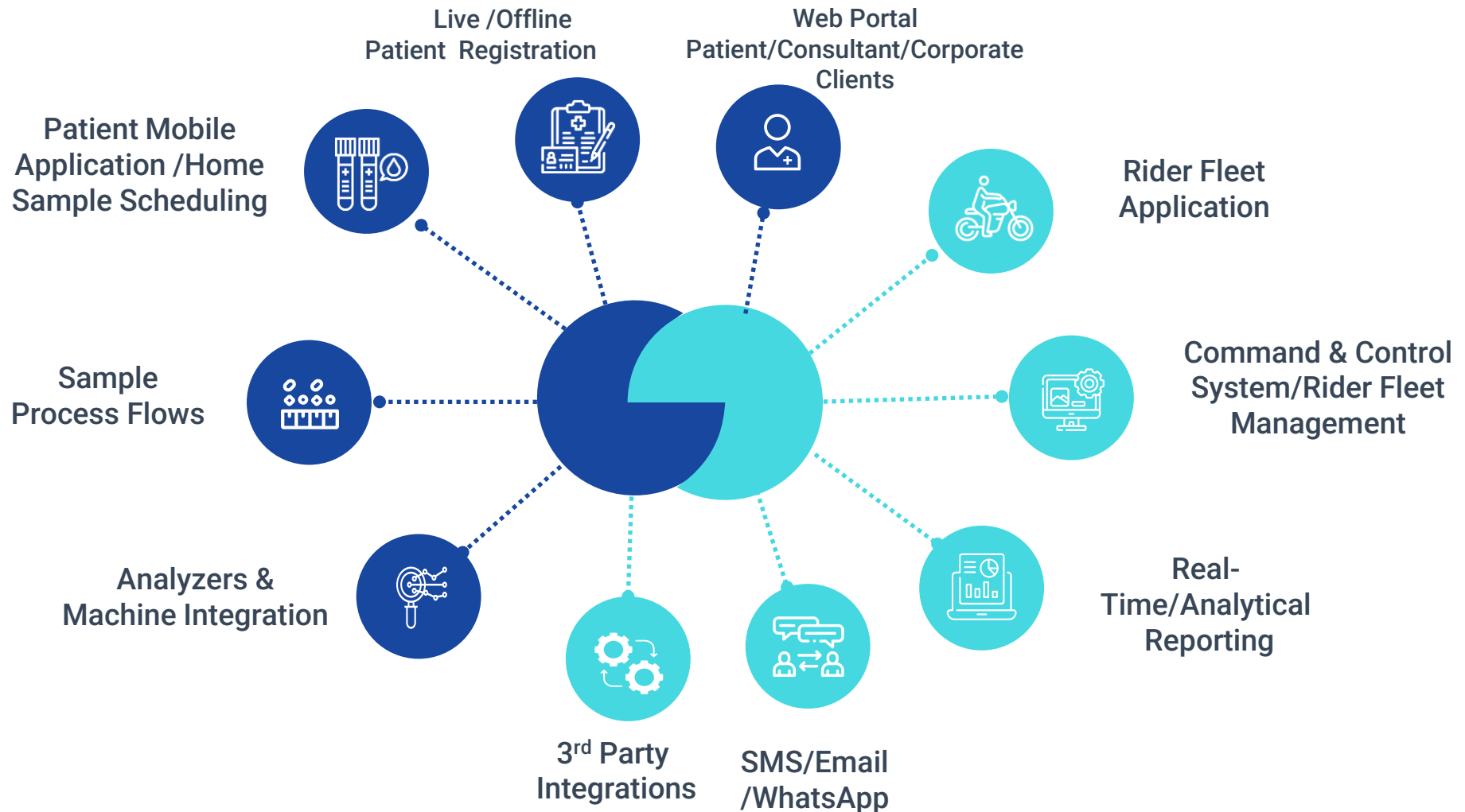
Ensuring governance, process audits, quality compliance and accountability



Our Solution

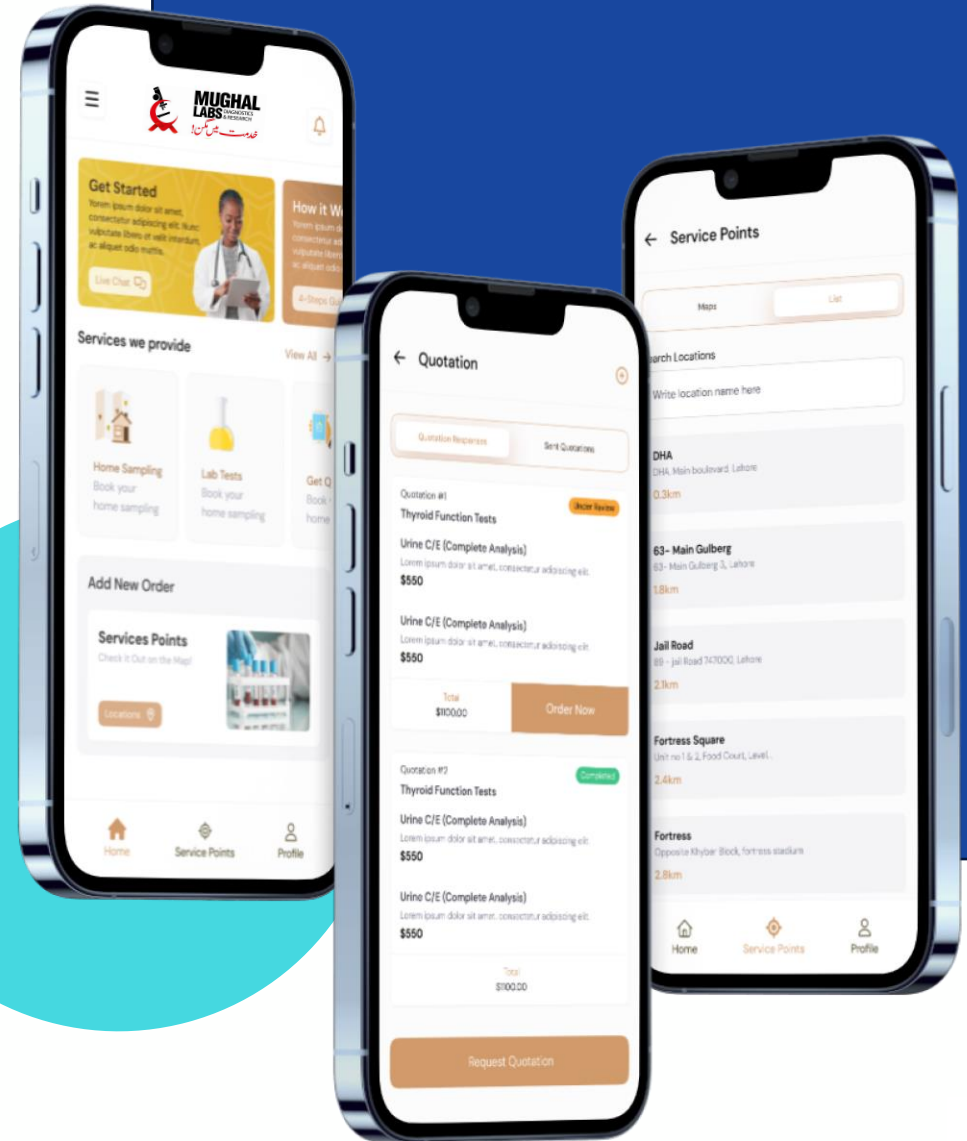
(Trend Setters)

The first ever Pathology Lab solution in domestic economy. Researched, built & evolved with the key players in the industry following international standards.



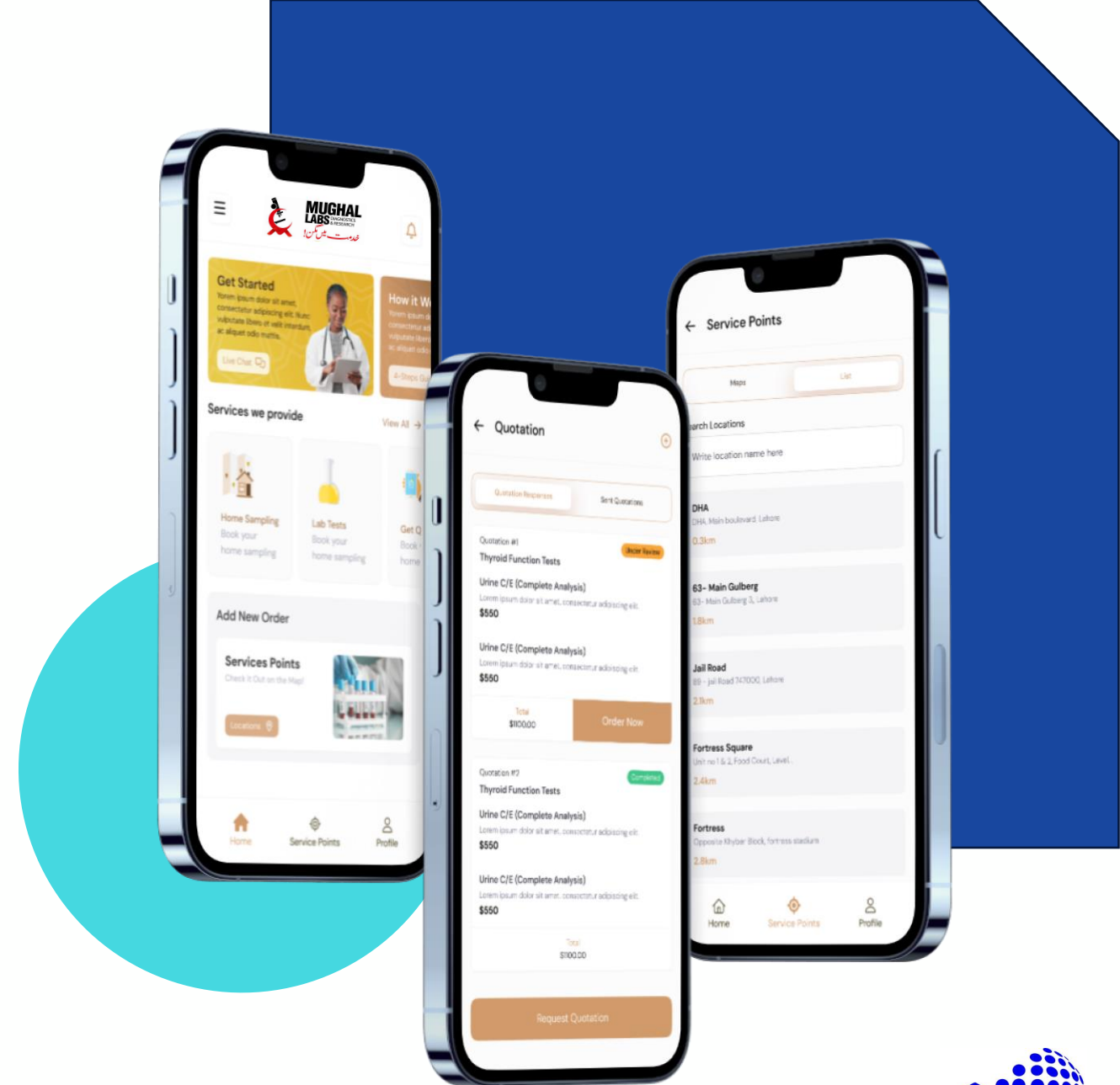
(Patient / Consultant/Corporate) Client Mobile Application (Cont.)

- Promotional Banners
- Pre-defined Packages/Profiles
- Test Catalogue
- Test Rate Calculator
- Home Sample appointment Scheduling
- Prescription Upload
- Request & Get Quotation
- Test Shopping Cart/Order Placement
- Patient Billing Profile (Address, CC/DC)
- Payment Integrations (CC, DC, M-PESA)



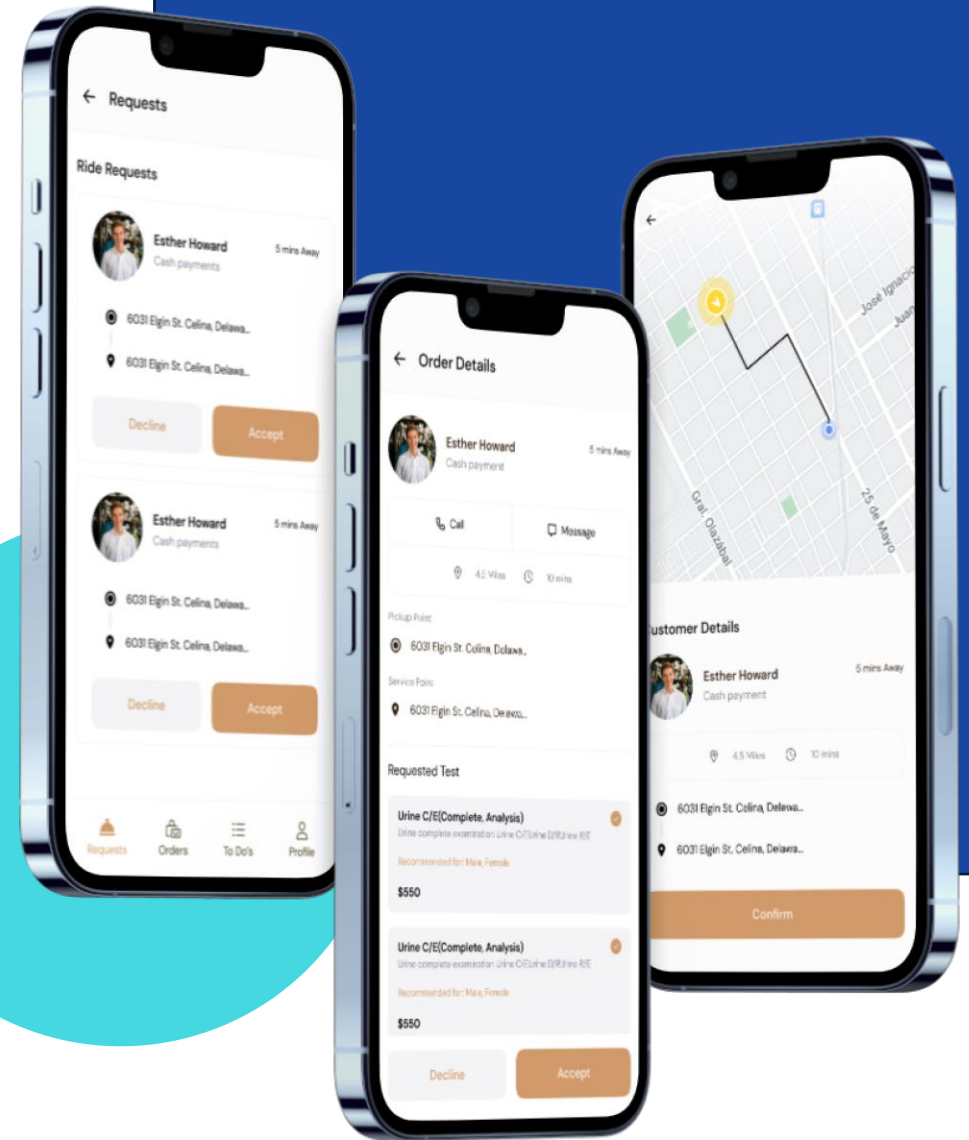
(Patient / Consultant/Corporate) Mobile Application

- Order Status Flow
- Patient Invoice/Test Reports
- Report History/Family History
- Lab Locator
- WhatsApp Integration
- SMS / Email Integration
- Two Factor Authentication.



Rider/Fleet Management Application (Cont.)

- Ride Assignment
- Push Notifications
- Call & SMS with Patient
- Rider Roaster Management
- Route Optimization and Planning
- Time Distance Calculation (ETA Calculation)
- LIVE & Realtime Navigation on Map



Rider/Fleet Management Application

- Patient Case creation
- Case Invoice
- Label Printing through Handheld Portable Printers
- Rides / Case history



Web Site & Dynamic Client Portal (Patient/Consultant/Corporate Client)

- Lab Portal (Patient, Consultant, Corporate Clients)
- Promotional Banners
- Pre-defined Packages/Profiles
- Patient Reports/Family Reports
- Test Directory
- SMS/Email Integration
- Test Rate Calculator
- Lab Locator
- Patient Billing Profile (Address, CC/DC)




Web Site & Dynamic Client Portal (Patient/Consultant/Corporate)

- Home Sample appointment Scheduling
- Prescription Upload
- Request & Get Quotation
- Test Shopping Cart/Order Placement
- Test Shopping Cart
- Order Status Flow
- Patient Invoice/Test Reports
- Online Payment Integration(CC, DC, M-PESA)
- WhatsApp Integration
- WhatsApp BOT Integration



Customized Report Design



- Custom Design of Report lay-out
- Incorporation of Photos and Graphs in Reports
- Business Reporting
- Lab Operation Reports
- User Logs
- Audit Trail

**MUGHAL
LABS**
مغیال لیوبز

Patient Name: **HAZRAT ALI KHAN**
Phone: **03467848583**
Age/Gender: **48 Yrs / Male**
Prescriber: **Dr. Muthoni Kirimi**

Registration Location: **Central Main Lab**
Destination Location: **Central Main Lab**
Reference: **GOVT. Employee**
Buyer: **Dr. Ahmed Kalebi**

Case ID: **1002-11-24**
Patient No.: **1002-24-01234**



Dr. Kalebi Labs (DKL) Limited is a duly registered Kenyan Private Lab | Company Reg. No. PVT-KAUDSKJA | KRA PIN No. P052286090L | KMLTTB Reg. No. 12345678

Dr. Kalebi Labs (DKL) - Haematology

Blood C/E (Complete, CBC)

Registration Date: 12, Jan, 2024
Reporting Date: 20, Jan, 2024

Test Name	Reference Value (Unit)	19403-29-30 20-30-18/20:30	19403-20-30 20-30-19/20:30	19403-20-30 20-30-18/20:30	19403-20-30 20-30-18/20:30
HB	13 - 18 (g/dl)	16	19	18	15
Remarks: Your HB level is less than optimal level					
Total RBC	4.5 - 6.5 (x10 ¹² /l)	16	19	22	20
Hct	38 - 52 (%)	56	19	46	15
MCV	75 - 95 (fl)	20 ↑	34	18	30
MCH	75 - 95 (fl)	14 ↓	34	60	45
MCHC	75 - 95 (fl)	34	17 ↑	34	30
Platelet Count	12 - 6.8 (x10 ¹² /l)	19	12	18	15
WBC Count (TLC)	4 - 11 (x10 ⁹ /l)	10	45	34	50 ↓
Neutrophils	40 - 62 (%)	34	19	18	15
Lymphocytes	30 - 48 (%)	34	34 ↑	50	30
Monocytes	56 - 61 (%)	14	19	18	12

Please note that the change in reference ranges is effective from 27-05-2024

Electronically verified report.
No Signature required. Lab reports should be interpreted by a physician in correlation with clinical and radiologic findings.

Principal Pathologist
Dr. Ahmed Kalebi

Chief Anatomical Pathologist
Dr. Muthoni Kirimi

Chief Clinical Pathologist
Dr. Angela Munoko

Technical Director
Dr. Rabia Mukadam PHD

Approved By
Dr. Ahmed Kalebi
Consultant Pathologist

Technical Manager (MLS)
Khamis Muya

DKL is a proudly Kenyan Lab duly registered by KMLTTB as a Class G Supranational Referral Lab

0769333000 | 0760333000

dkl@dkl.co.ke

www.dkl.co.ke

Real Towers Annex 2 (200m from KNEH main gate), Hospital Road, Nairobi, Kenya

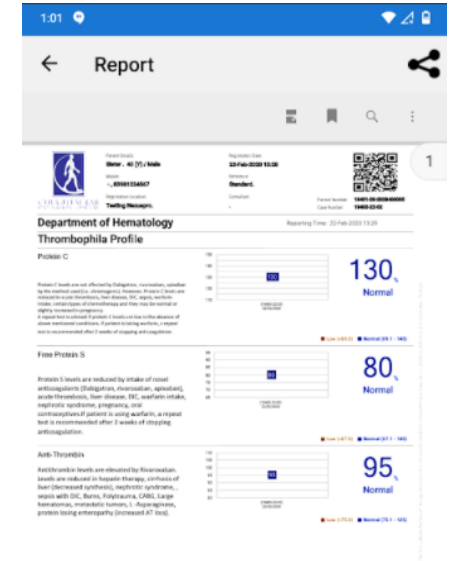
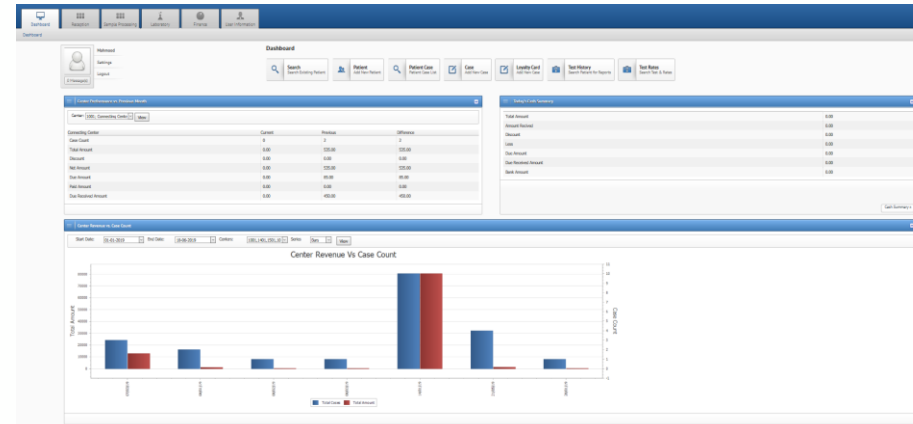
Glimpses of Nexus Pro

Sample Management

Search Columns: Patient ID, Name, Phone, Sex, All, MRN, Include Date

Patient Information

Location: Connecting Center
 Medical Record No.:
 Title:
 First Name:
 Last Name:
 Father/Husband Name:
 Age: 29 Yrs DOB: 18-08-1919
 Sex: Male Blood Group: Unknown
 Registration Date: 18-08-2018 08:17 Phone:
 Email:
 Reference:
 Consultant:



Result Approving

Test Results Table:

Case #	Case Reg. Date	Test Name	Reg. Loc.	Result
1002-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	
1003-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	
1004-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	
1005-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	
1006-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	
1007-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	
1008-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	
1009-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	
1010-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	
1011-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	
1012-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	
1013-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	
1014-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	
1015-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	
1016-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	
1017-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	
1018-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	
1019-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	
1020-13-01	13-04-2013 21:45	MR. SHIN NARAYAN	1001	

Patient Case

Case Information:

Case ID: 1002-13-01
 Reg. Location: 1001
 Address: 1001
 Comments: 1001

Registration Date: 18-08-2018 08:17
 Date of Birth: 18-08-1919
 Sex: Male
 Blood Group: Unknown

Donor's Information

Donor Name: MRS. TAYABA
 Donor ID: 1001
 Donor Sex: Female
 Donor Age: 29 Yrs
 Donor DOB: 18-08-1919
 Donor Sex: Female
 Donor Blood Group: B
 Donor Rh Factor: Positive

Donor's Tests

Test	Result	Cutoff Value	Donor Value
HBs Ag	Negative	1.0	0.625
Anti HIV	Negative	1.0	0.209
Anti HCV	Negative	1.0	0.135
Hemoglobin	15.7		
V.D.R.L	Non Reactive		



Functionalities & Features

(User Requirements)

Nexus Pro segments the business process for laboratory to ease-out the patient experience through *14 modules* to reduce TAT, minimize hassle, least human intervention and data query at the same platform.

User Requirements

Front Office Module

Operations Module

Back Office Module



- Automate front desk
- Manage automated workflows
- Allows custom workflow configuration



- Seamless collaboration from phlebotomy to reporting
- Analyzers Integration
- Automates process to reduce TAT & Cost



- Provides policy based access & staff controls for managing audit logs, departments, outsourcing and centers.
- Consolidates the basic financial information to track and audit the operations

Functionalities & Features

(Compatibility & interoperability)

Nexus Pro carries diverse portfolio for integration as well as connections to enable diverse features for ensuring redefined health services



Chatbots for Hot Testing

Facilitates in rapid reporting for critical patients.



IOT (Analyzers Integration)

Facilitates the analyzers integration to eliminate human intervention for reliable reporting

Vaccination Management

Manages diverse vaccination programs for users

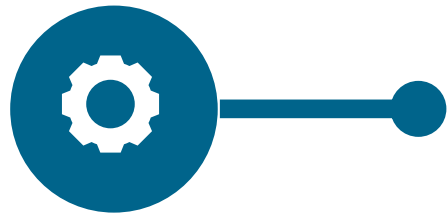


Traceable International Travel Certificates

Distinctively maintains the record of international travels traceable through QR Code.

Security & Protection

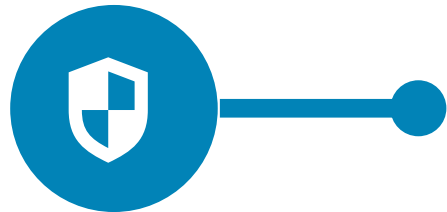
Nexus Pro facilitates all levels of security and protection for its users through various ways.



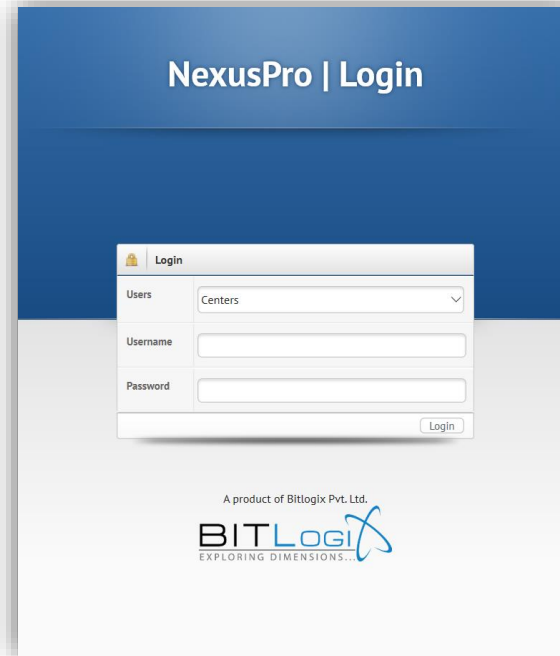
Encrypted QR Code



Multi Factor Authentication



Role Based Access



Stability & Reliability

Broader scope of Nexus Pro's threshold of handling influx for a broad range of Clients

1

No. of Patients
(Last Year)



**87,600
Patients**

2

No. of Tests
(Last Year)



**8
Million**

3

No. of Machines
Connected



2,500+

4

No. of Analyzers
Integrated



50+

5

Top Rated Labs as
Clients



**8 out of
Top 10**

*Data from top 20 customers



Content & Standards

PNAC

Used by Labs Certified
by Pakistan National
Accreditation Council

ISO 17025

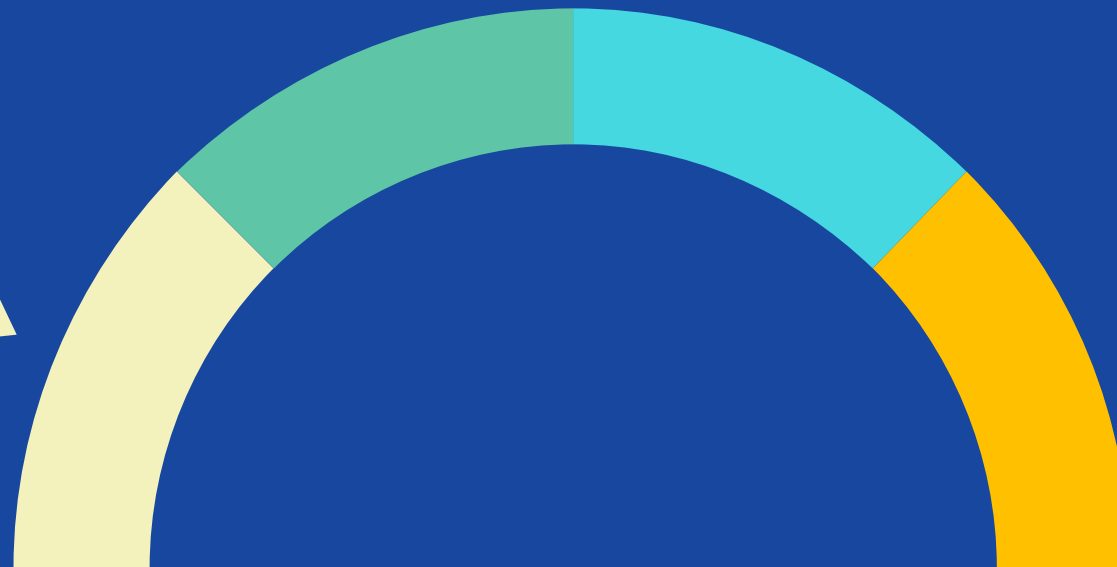
Product enables Labs
to become complaint
to ISO 17025
standards

Punjab Healthcare Commission

Compliant with most of
PHC KPIs for
Laboratories

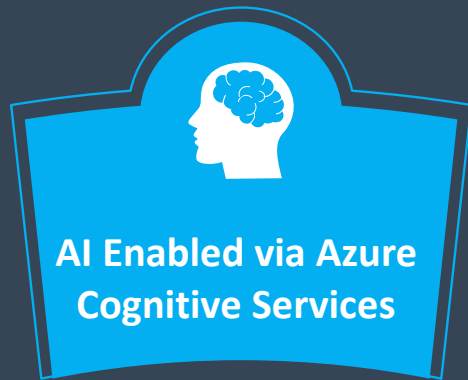
UQAS

Analyzers are
compliant with UQAS



Scalability, Diversity & Future

Nexus Pro is continuously exploring horizons into diverse industry segments with various initiatives



Over \$100,000 funded by Microsoft in shape of Azure Cognitive Services



Testing & POC already underway with Industrial Labs



Only solution in Pakistan for Vets



Expected launch by 2023/24



International customers signed in Burkina Faso and Kenya

Developing partnerships and reseller relationships in other regions

Our Clients



Thank You !