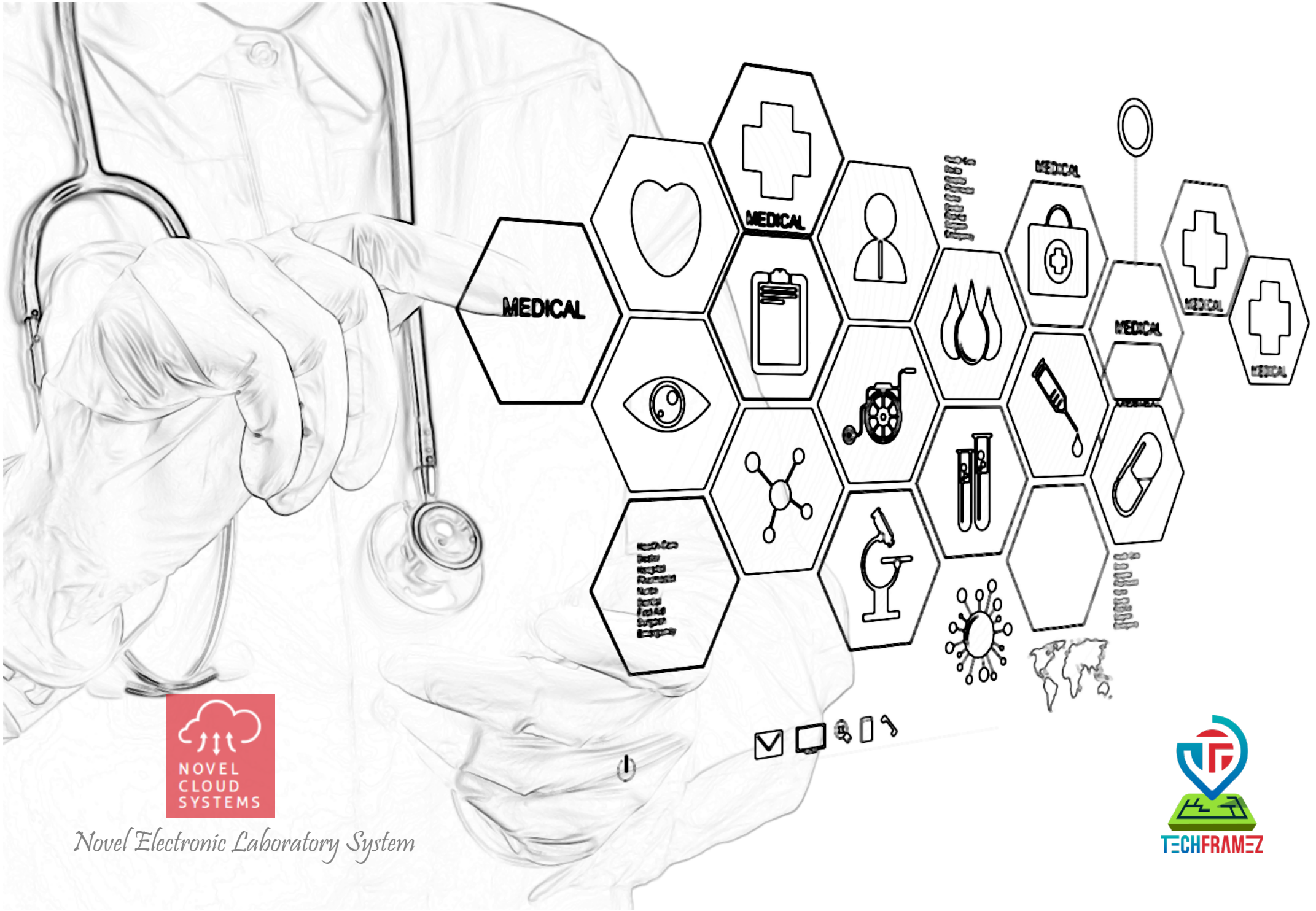


NOVEL CLOUD SYSTEMS

Novel Electronic Laboratory System

TECHFRAMEZ

Why Novel Cloud Systems

The Services and solutions at Novel Cloud Systems which are presented by TechFramez are as limitless as the boundaries of engineering, science and technology. We're growing all the time and wherever we go and whatever we do, our Customers grow with us. We give talented, open-minded and innovative and skilled team the chance to explore varied enterprise solutions in a challenging and rewarding international environment as a Saudi – British company. We understand and just how rare truly exceptional customers are, so we'll invest the same innovation, time and care into your business that we put into each of our fascinating solutions.

redhat

READY
BUSINESS PARTNER

ORACLE PARTNER

infoBip

McAfee
An Intel Company

Honeywell
PARTNER

Electronic laboratory system

Els Is One of our Elite and unique solutions, Novel Technologies development team-members have dedicated 2 years of heavy development on one of the largest and well known laboratory in Saudi Arabia. Our Top-Rated developers have invested huge knowledge & efforts building ELS Solution.

ELS has the answers of all today common Laboratories issues with an easy interface and user-friendly application that shows all operations in fully interactive graphs and symbols that makes it easier on System users to keep control. Today, Novel Cloud Systems is the only provider of ELS Solution world-wide, as we're looking to see it serving many laboratories in the modern world.

ELS is a Laboratory - mate, business oriented, and your most righteous Software.

Basic Modules

- Barcode Module
- Customers & SLAs Module
- Tests & Samples Module
- Billing & Pricing Module
- System Users Module
- Role & Permission Module
- Hand-held & Task management Module
- Hand-held GPS Tracking Module
- Vehicles GPS Tracking Module
- Patients Module
- Medical Interfaces Module
- Reporting Module
- Work-flow Management Module
- Test Results Management Module
- Drivers Evaluation Module
- API Module

Advanced Modules

- Vehicle Management System
- Finance Module
- Call-Center routing Module
- Document Archiving Module
- Point Of Sales (POS) Module
- SMS Module
- Fully integrated Customer relationship Management Module (CRM)

Success Story

"We in Delta Medical Laboratory company care about creative, intuitive and easy to deliver services, we always have a sharp look into the future, we dream of well planned tomorrow. Novel Cloud Systems has proven huge efforts to help us achieving our goals and quality assurance throughout Novel ELS Application. I have determined that the ELS significantly outshines the others in terms of reputation, affordability, and Long-Term support"

Mr. Anas Bosta

CEO

Delta Medical Laboratories Company

Basic Modules Highlights

Barcode Generator for samples tubes, request forms, walking-in patients, out-door customers, results.

Customers & SLAs Module

Manage Customers information, agreements & price lists, Geographical Information, Branches, registered complains.

Tests & Samples Module

Tests Identification, Test Periods, Available week-days, time-durations, expected delivery time, tests knowledge base for customer service team.

Systems Users & Role, Permission orchestrator

Users categories, Users information and login credentials, Users departments, group-policy (Custom policies can be created), System Access-permission.

Hand-Held Module

Allow System authorized users to send, monitor, inquiry drivers tasks received by customers at almost no-cost communication tool, using simple GSM internet coverage & using custom Novel HTTP protocol that drops the internet usage to the minimum (Apprx. 35 MB / Month / Hand-held). Tasks could contain customers address, name, custom information, body of the task and its used to either receive new samples collection OR deliver results.

GPS (Hand-held, Vehicles) & Temperature Monitoring

ELS can keep the track of each hand-held and show results on Google map with history up to 3 months with the option to select time-interval.

Our software enables you to start the GPS tracking system on-line in a very short time. This is a cost-effective GPS web based system that provides you with a possibility to avoid extra expenses

which are normally required for buying and supporting your server.

Our Software enables you to check current locations, trip details, vehicle speed, vehicle motion status, proof of presence and more. For safety and planning purposes you can track personnel or you can track vehicles, cranes, generators or other abuse prone high value assets. The list of possibilities goes on and on!

Vehicles GPS can also monitor samples cooling container through an extended temperature sensor

Basic Modules Highlights

- Samples collection reports
- Customers reports
- Results report (Only available after integration with LDM)
- Samples Quality reports
- Tasks (wide range of reports – Expected sample collection, pending, delayed, etc.)
- Drivers Detailed reports
- System users reports (customer service, officers, laboratorists, Administrators, etc...)
- Results Reports
- Result Delivery reports (With E-Signatures)
- Hand-held reports
- Quality graphs
- Tasks Graphs
- Supports of available reports tools (Pie charts, descartes charts, bar charts, textual and animated charts).

API Module

An application-programming interface (API) is a source code based specification intended to be used as an interface by software components to communicate with each other. An API may include specifications for routines, data structures, object classes, and variables.

EIs is provided with two way communication APIs, APIs method available at the moment:

- XML
- RESTFUL APIs
- CURL & JSON
- HTTP (Direct)

Integration is available on the below platforms

ORACLE DATABASE

SAP

Microsoft SQL Server

Patients & Customers Module

Grant customers access to their results that are automatically uploaded to the server (Fully encrypted & hashed documents) and give them the ability to download, system administrators can see whether the customer has downloaded their result. This option is only available if customer's SLA grant this service.

Work-Flow Management Module

Many-To-Many dynamic roles that are pre-set by the System administrators who can upload set of work-flow processes to assure delivery quality. E.g. Where do Drivers collected samples should be delivered when they arrive to the laboratory, Or is it necessary to capture customers specialists signature after receiving samples or delivering results? Etc...

This option is completely customizable and can cop with hundred of roles.

HandHeld - Hardware

We Recommend Honeywell

Honeywell Dolphin® 7800 Enterprise Digital Assistant

Features:

- Lightweight and Compact Design: Reduces user fatigue by offering all of the functionality needed in an easy-to-carry form factor
- Rugged and Reliable: Durable construction and sealing deliver reliable operation and maximize worker uptime
- Superior 3.5″ Outdoor-Viewable VGA
- Display: Allows mobile workers to seamlessly interact with data in virtually any lighting condition
- Fast and Reliable Wireless Connectivity:
- Delivers full wireless coverage for applications inside and outside of the four walls, allowing real-time access to critical data
- Powerful Processor and Network
- Connections: Delivers fast business transactions, allowing workers to complete multiple tasks quickly

Empower all levels of your organization to gain immediate access to information

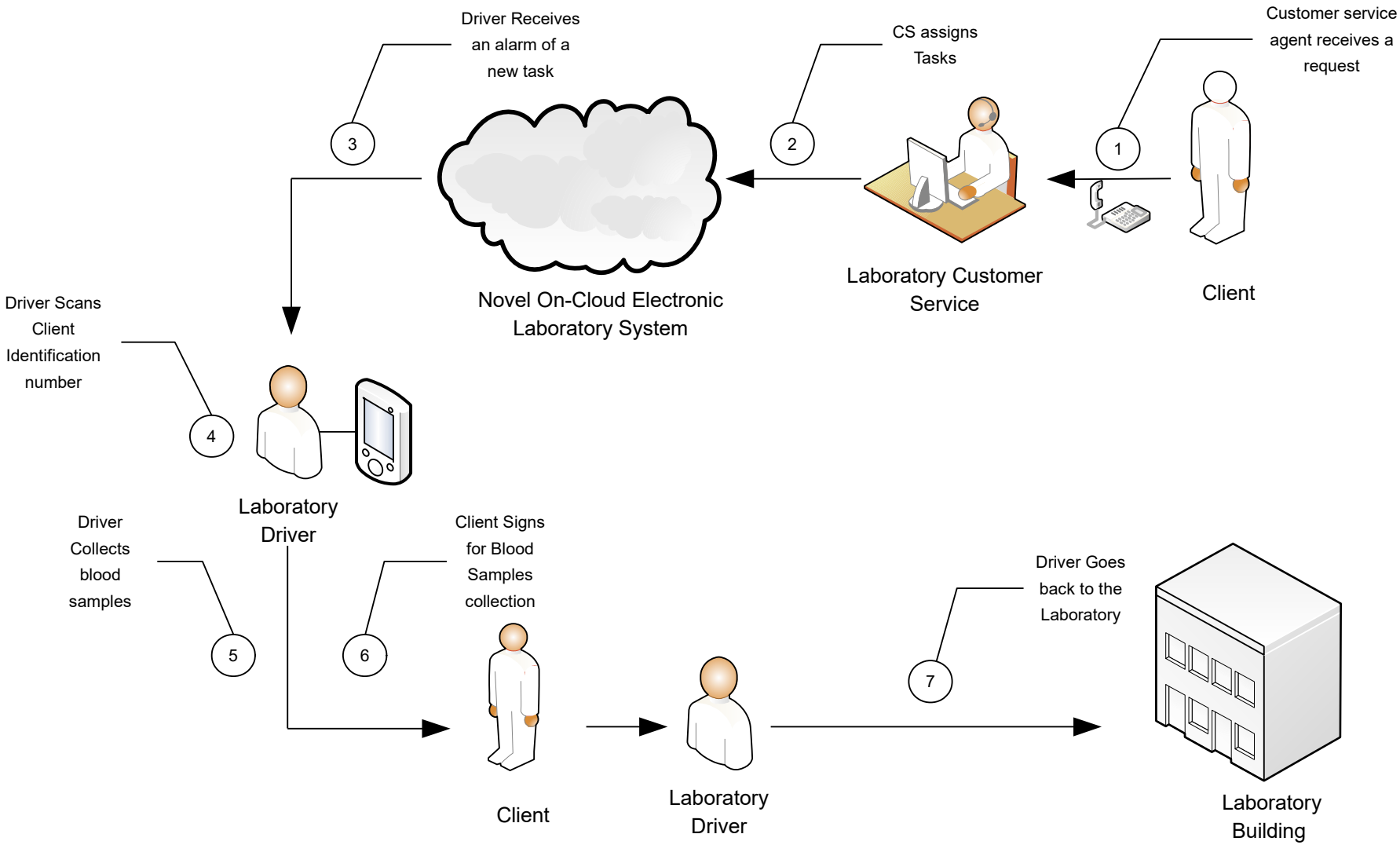
Advanced Modules Highlights

Vehicle Management System

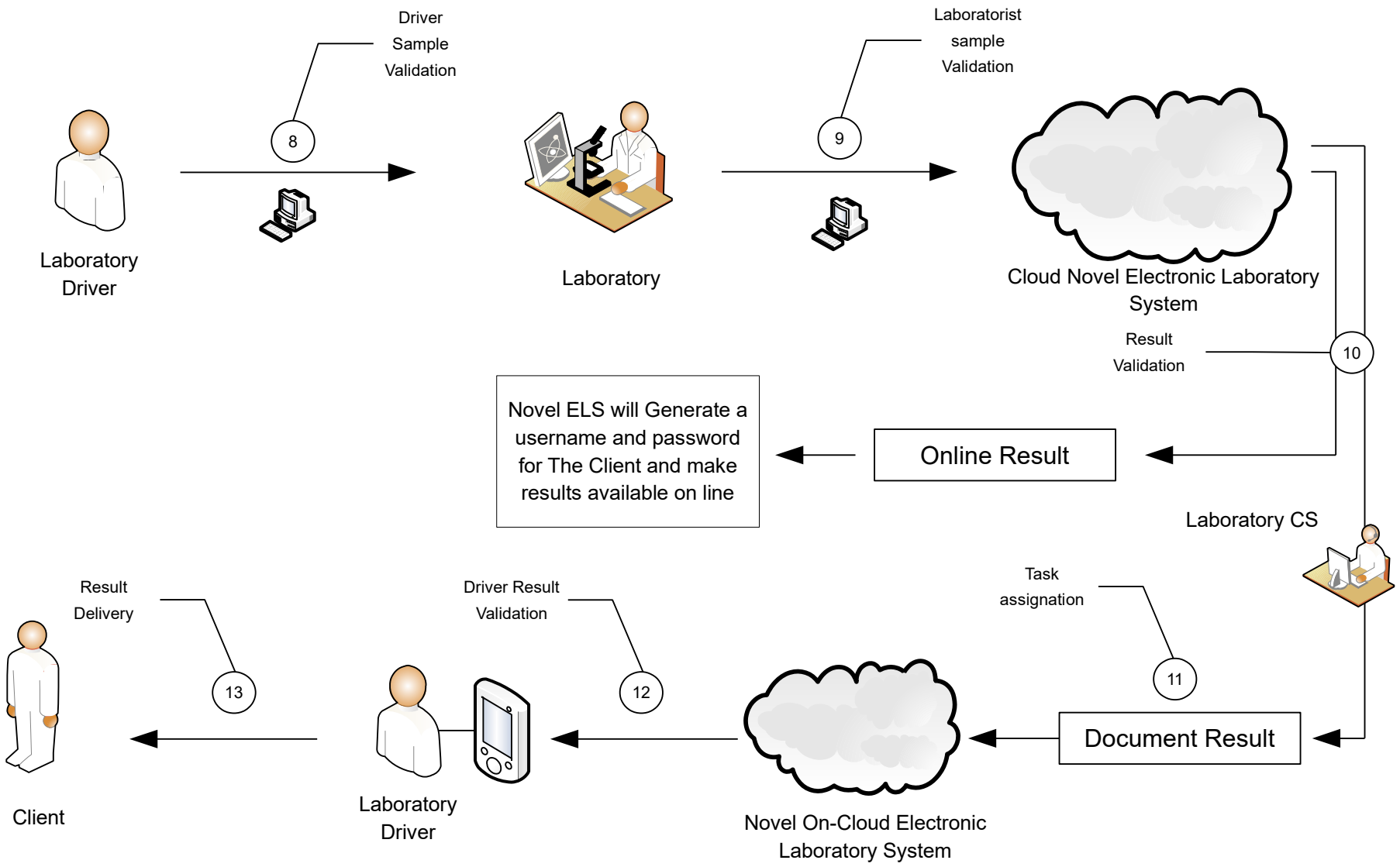
The Vehicle Management Software is a system providing management functions which allows companies to remove or minimize the risks associated with vehicles owned by the companies. Our Vehicle Management software is not restricted to managing the individual vehicles, but includes the daily management of vehicles, fuel and services, drivers, etc. When it comes to improving efficiency, productivity and reducing the overall costs involved with a company's vehicle fleet it is essential to have Vehicle Management Software in place. This kind of system contributes and forms a firm basis of effective Vehicle Management Software. Being able to provide excellent records when it comes to auditing, formulating strategies, designing and implementing policies, procedures and systems is regarded as a quick and simple task when you are making use of a good Vehicle Management Software.

Novel Vehicle Management Software is fully customizable to suit the needs of your business.

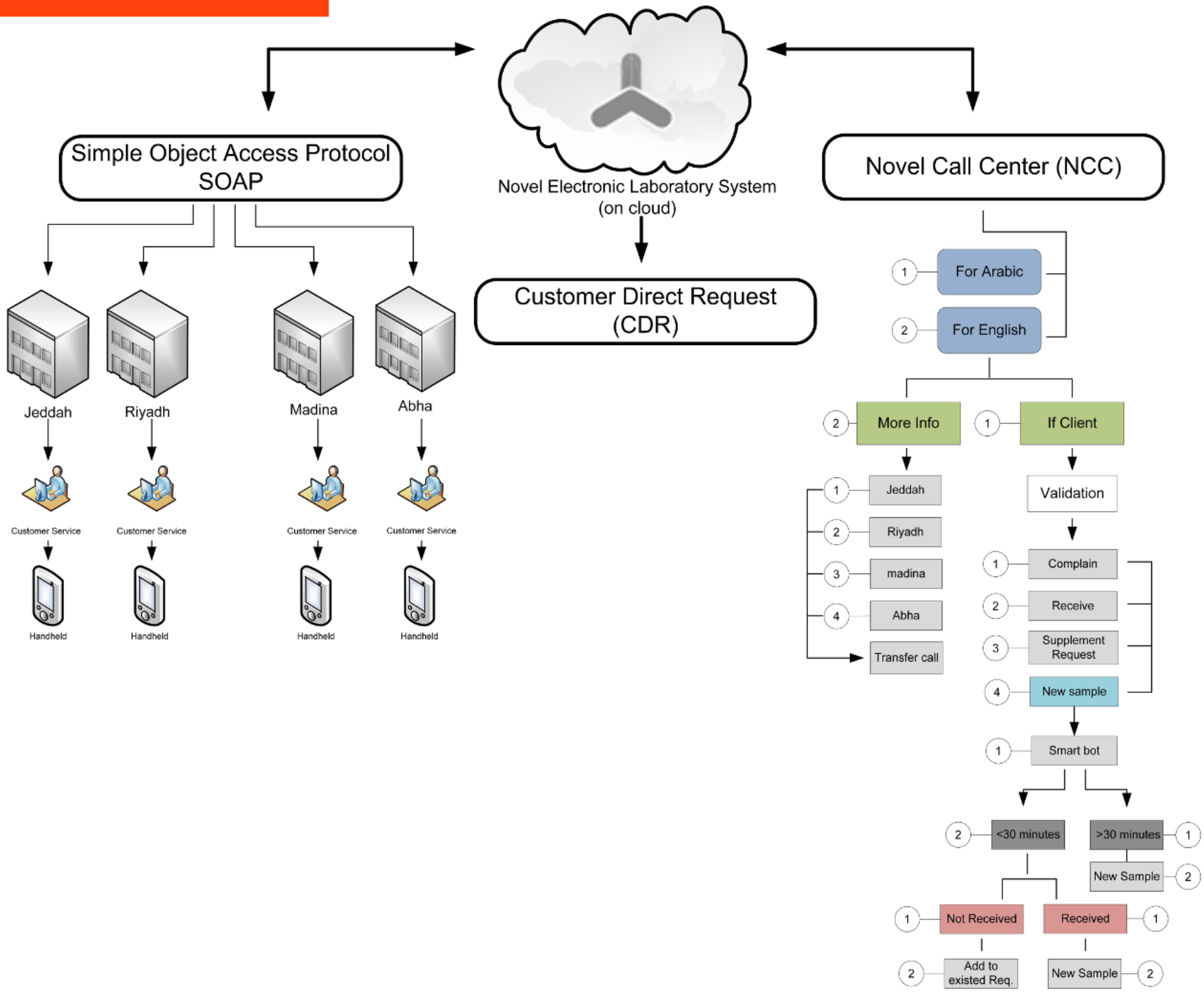
Novel ELS – Tasks Scenario (I)



Novel ELS – Tasks Scenario (2)



Novel Digital Call Center & ELS



Android Application - Option2

General Concepts:

- Contains 2 Android Application (Client side, Driver side) that are compatible with Google platform 22,23,24. And On-Cloud Management and monitoring tool.
- Both android applications are published on Google Play store with restricted use (Activated by pin number generated from the back-end system) and assigned to either customers Or drivers.

Back-End:

- Define drivers (pins) , Customers (pin/informtion/location on live map – optional-).
- Live track requests/Tasks/Drivers on map and ETA with status of samples.
- Generate all reports (Drivers/Task reports , Customers/Tasks reports, tasks Quality assurance reports , Drivers evaluation report)
- All operation are performed on a modern live map to make it easy to monitor all activities.
- Back-end application could be split into many permissions based on location/branch. e.g. Riyadh Branch should only be able to see Riyadh map/Drivers/Customers and shouldn't have an access to other locations information.

Customer application:

- Built on latest and modern material design concepts.
- Customer is able to activate the application by a pin provided by Alborg back-end application.
- Customer application ability to click on request samples collection.
- Customer application ability to see ETA of the driver to arrive.
- Preview the status of the samples (pending, received, Delivered to lab, results ready).
- This software doesn't contain any map visualization.
- Support FCM Notification : Task confirmation, Drivers arrival.

Drivers Application:

- Back-end application will assign task automatically based on the geofencing (Nearest Driver to service requester (Customer).
- Application should navigate the driver to the nearest route to customer based on the stored location of the customer thats stored previously on back-end application.
- If customer location is undefined, driver should be able to define the location upon first time visit.
- Application should show all information regarding the task, e.g. time to arrive, best route navigation, customer's name, location, optional information provided by customer upon service request.
- Support FCM Notification on new tasks.

For more information
please visit:
www.ncsys.co.uk
Or contact us at
info@ncsys.co.uk

Global Reach
Local Touch

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