



CDN Solutions Group

Consistently delivering quality solutions

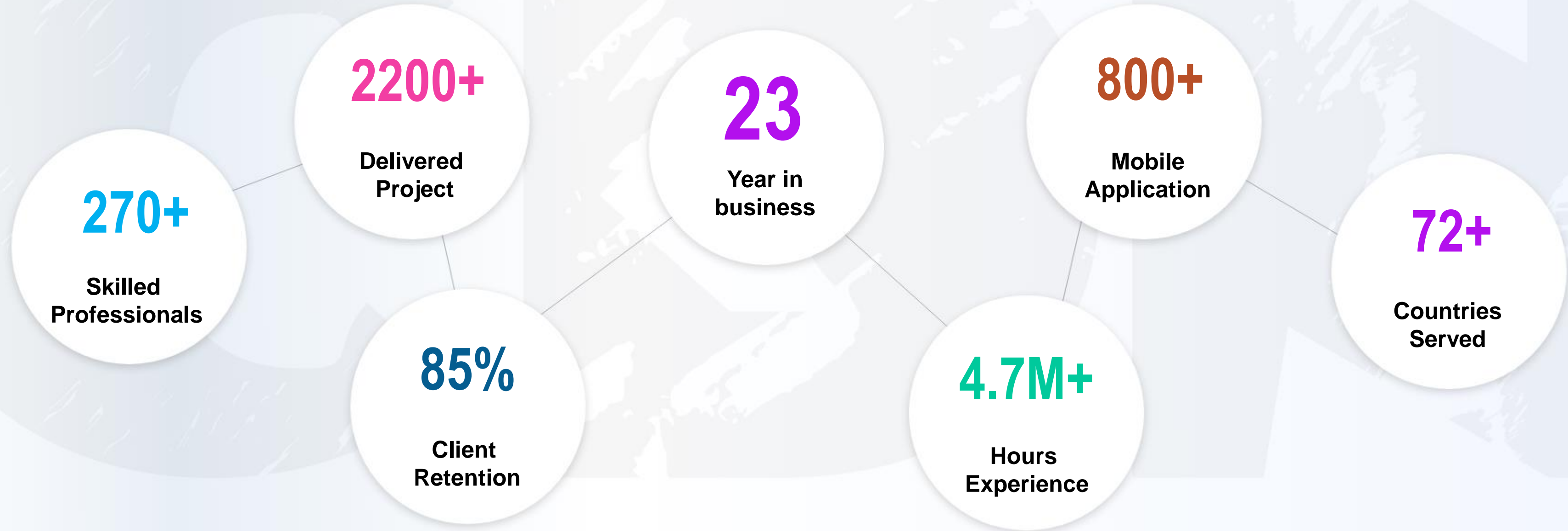
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company
profile

CDN FACTS



TECHNOLOGY EXPERTISE



HOW WE COLLABORATE



- ➔ Onshore-Offshore engagement model
- ➔ Efficient utilization of resource round the clock
- ➔ Flexible for travel to customer location on need basis

- ➔ Emails
- ➔ Daily calls
- ➔ Messengers (Skype/Slack)
- ➔ Video conferencing tools (Zoom, Team, Skype, WebEx)
- ➔ Weekly, Monthly and Quarterly Reviews
- ➔ Collaboration & Planning tools

CROSS POLLINATION

CONNECTIVITY (VPN)

COMMUNICATION

OVERLAP HOURS

- ➔ Strong procedures, process tools, and guidelines
- ➔ SSL/VPN communication/connection

- ➔ Ensure sufficient overlap with clients working hours
- ➔ Absolutely flexible, transparent and ethical on the commitments

ENGAGEMENT MODELS



STAFF-AUG

- ✓ Captive team of variable size working and reporting directly to the client
- ✓ Right skilled engineers provided to meet the staffing spikes
- ✓ The day-to-day activities of the engineers will be monitored closely by our leadership

Long/short- term team work



BUCKET HOUR

- ✓ We also work in a unique **Bucket hour Model**
- ✓ Engineers are flexible in delivering the scope within the allocated hours and duration
- ✓ Scope is bundled up and managed under our leadership

Suitable for flexible needs with right control on budget



MANAGED SERVICES

- ✓ End-to-end ownership
- ✓ Well defined roles responsibilities along with SLAs
- ✓ Proactive strategies with effective and efficient resource utilization

Ideal for long-term support engagements



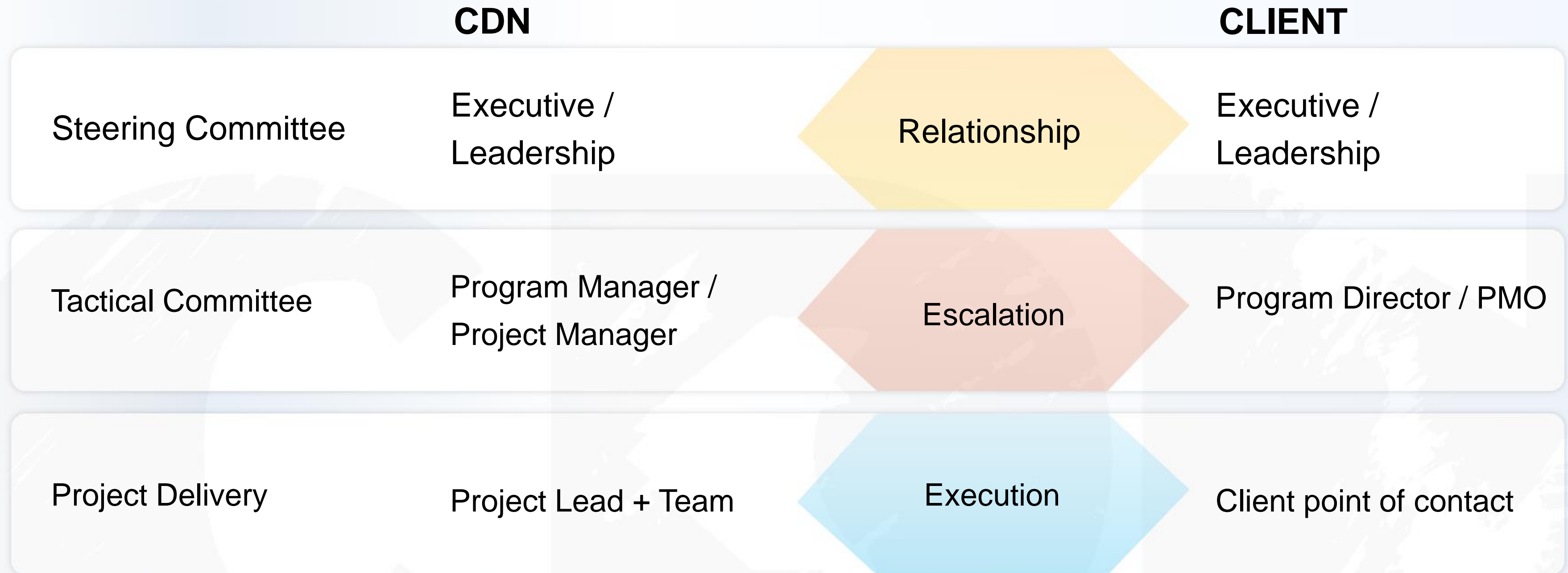
FIXED COST

- ✓ We encourage for a **Discovery phase** to clearly define stable requirement and features
- ✓ Fixed timelines, budget, and deliverables are clearly defined
- ✓ Changes to scope are estimated for separately

Good for fixed scope of work/ POCs/MVPs with a fixed budget



GOVERNANCE / EXECUTION MODEL





SUCCESS STORY

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AMCi-WIRELESS



Introduction

AMCi provides solutions for monitoring, tracking, and managing high-value assets along with numerous options for reporting alarms and notifications. High-valued assets require a proper monitoring system, notification, and reporting inclusive of text, and email notifications tailored to clients' needs along with a Live call option. There is a mobile interface for the field technicians who can get notifications and access details of each asset they are responsible for, on the go.

Challenges

- ➔ Real-time monitoring of the assets
- ➔ Set up proper escalation level for each asset
- ➔ Send out notifications in case there is a problem with any of the assets
- ➔ Send out various reports from the system
- ➔ Defining shifts and schedules for people responsible for the assets

Descriptions

AMCi system allows managing different assets located in different geographical areas by setting up shifts and schedules for the people responsible for each of the assets. We have added features like defining roles for the users and setting up an escalation matrix in the system for sending out notifications to users as per the order setup. The technicians get notifications via SMS, email, or live call from the system. On-field technicians can also access data using the mobile app related to the assets they are responsible for.



DESERTFIRE



Challenges

- ➔ Making the documentation process smoother and faster when visual representation was a need.
- ➔ Ensuring the data was comprehensive without any loophole for human mistakes.
- ➔ Easing out the process of note-drafting, reviewing and publishing of instructions.
- ➔ Ensuring that all employees within an organization followed the guidelines published.
- ➔ Enabling the management to keep track of the operators who followed(or not) the user manual.
- ➔ Drastically increasing the efficiency in updating, maintaining, and distributing the guidelines tailor-made for all in the hierarchy.

Our approach to the solution

CDN Solution's skilled team developed a winning solution for Procedure Management that lets its users to seamlessly create, update, review, and publish guidelines for its employees. An exhaustive question bank allows the Author to integrate all of the information into the database, which in turn leads to the entirety of data leaving no scope for mistakes.

Business benefits

- ➔ A robust solution to improve the efficiency of the employees, and thereby of the organization as a whole.
- ➔ Employees become more productive owing to the clarity and flawlessness of the data.
- ➔ Easier modifications of Operational Processes within an organization.



NISSAN



Challenges

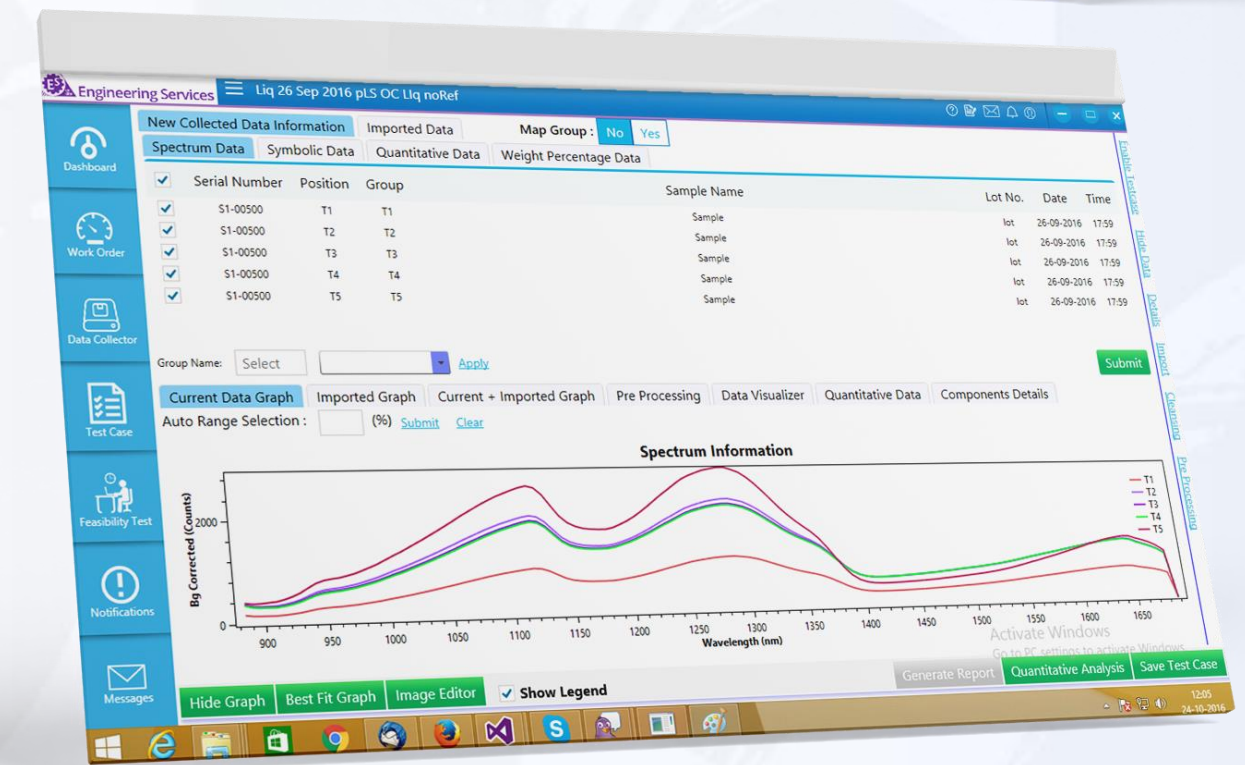
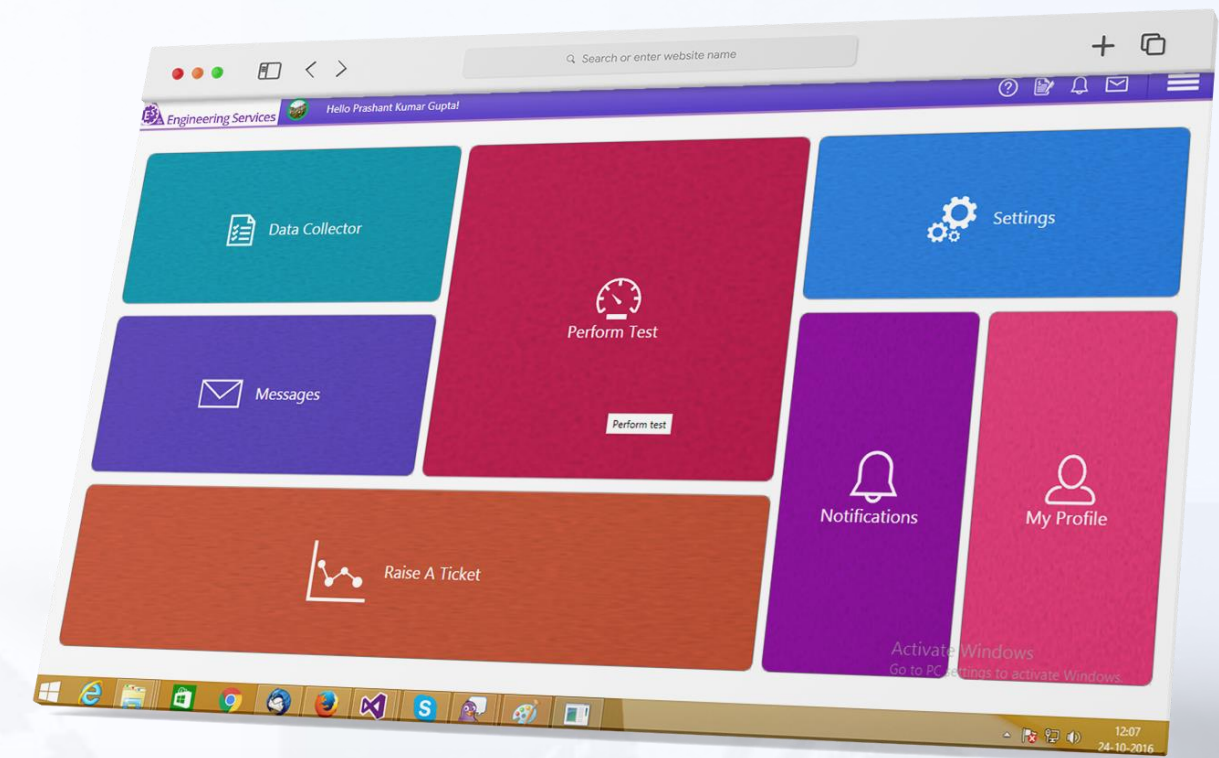
- ➔ Hardware requirements: Finding suitable and robust hardware to accommodate different materials for inspection.
- ➔ Mathematical calculations: Requiring high-level expertise in mathematics to accurately analyze data and determine product quality.
- ➔ Test case creation: Time-consuming process, especially for complex materials, to develop repeatable and consistent test cases.
- ➔ Variability of the product: Difficulty in establishing consistent quality criteria due to product variability.

Our approach to the solution

- ➔ Establish quality control standards based on physical and chemical properties.
- ➔ Conduct tests such as chromatography, spectroscopy, microscopy, and thermal analysis.
- ➔ Utilize statistical methods and mathematical models for data analysis and prediction.
- ➔ Implement corrective actions to improve product quality when necessary.

Result

Implementing these solutions will enable effective inspection of product quality by establishing standards, conducting tests, analyzing data using statistical methods and mathematical models, and implementing corrective actions.



COOLFIRE SMARTWATCH



Description

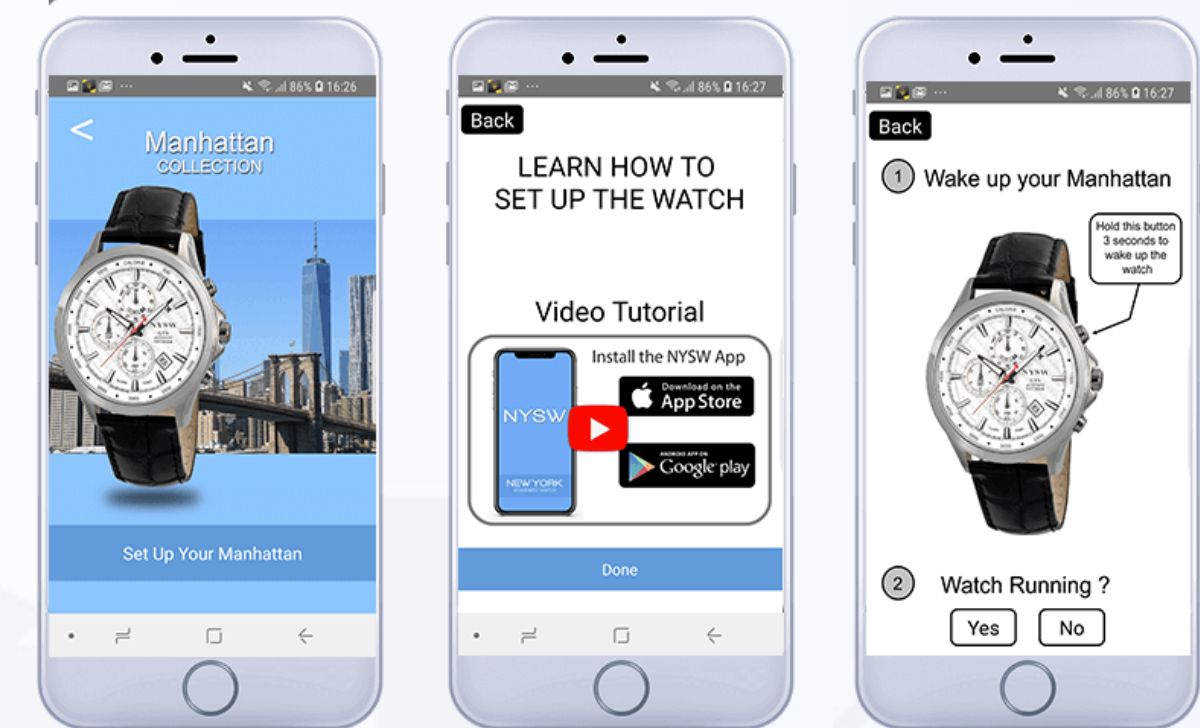
Coolfire is an application that allows communication with Bluetooth enabled watch devices. There can be various activities performed using the application such as Changing Music, Clicking Pictures, Receiving of Messages and also Email Alerts. The application allows users to connect with Smart Watch devices using Bluetooth Low Energy Protocol.

Our approach to the solution

CDN Solutions Group delivers solution in terms of wearable technology that somehow allow the users to connect to a smart watch using this application, to control some functions such as changing music, clicking pictures and receive notifications etc. To diminish the dependency on the cell phones and promote the usage of wearable technology in the current times, this application can be solution to more than one requirement at a time. From Notifications to taking pictures and controlling music related key operations can be taken care of by this achieved solution.

Business benefits

- ➔ Can identify the only device it needs to connect to using Bluetooth.
- ➔ Send out Time, Time Zone and Calendar data to Smart-watch.
- ➔ Find iPhone (within a certain range of distance) using Smart-watch.
- ➔ Send 'Alert' to Smart-watch for incoming calls on iPhone.
- ➔ Can access the Phonebook and identify the caller.
- ➔ Can distinguish among e-mails, SMS, MMS, and Facebook notifications etc.



SENSA APP



Challenges

The app is for special users who are deaf and hearing impaired, so finding out a suitable way to send alert for events was a real challenge, as most of the alert notifications require hearing ability. So the notification has to be in the form of standard icons / images, with vibration and LED flash. Another challenge was to register for specific Ipv4 multicast group so that the app can send notification even if there is no internet connection or the app is running in background. The challenge was to keep application sockets active to receive signals from local network.

Our approach to the solution

- ➔ To confront the challenge of notification we decided to send alert notification via:
- ➔ Corresponding standard icon/image
- ➔ Vibrating phone device in specific pattern
- ➔ Flash LED light of phone device in specific pattern We defined a specific pattern for each type of alarm/signal, for e.g. For Personal Call we defined "V.4 P.8 V.4 P.8" which means play vibration/LED flash for.

Business benefits

- ➔ Help users (Specially deaf and hearing impaired) by notifying them for the day-to-day activities that require hearing abilities like doorbell, baby monitor, phone call, fire alarm etc.
- ➔ Minimal configuration/setup with proper instructions to configure multicast Gateway (RFGateway).
- ➔ Showing alarms/alerts received from Gateway (RFGateway) using standard icons/graphics to make it attractive and interactive.
- ➔ The app is also able to receive and handle multiple alarms/alerts simultaneously.



AHI-ASSIST



Challenges

Our client was concerned about the health and safety of people. They were aimed at using their knowledge and expertise to help people avoid losses. This is why they offer insurance for multiple situations and also gives advice about the best fit. But, they were also aware of the hazards that can occur anytime in anyone's life, specially when people visit some other country. So they chose CDN Software Solutions to create an app which could not only help people to buy insurance online but also assist them in emergency situations. To provide the best possible solution, we work around the following:



Our approach to the solution

- ➔ Now our client is able to help people in an enhanced manner.
- ➔ Now users can get pre-travel advice before they move to some other country.
- ➔ People are not alone in foreign countries. In an emergency situation they can directly contact AHI for assistance.
- ➔ Users are safe in other countries as they are being tracked and will be notified immediately whenever any health, military or weather issue occur.

Business benefits

We developed a native mobile app for iOS and Android. It provides emergency services to people while traveling or when they are engaged in some recreational activities. With the use of this app, our client is able to assist all its users in situations like a medical emergency, natural disaster, political unrest, lost passport, political unrest and more. Whenever any customer is in need of help, they may directly give a call and get connected to the Emergency Operation Centre (EOC). Hence, customers directly get access to doctors and security professionals available to provide immediate help.





Thank
you

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