



emorphís
Innovation in Motion

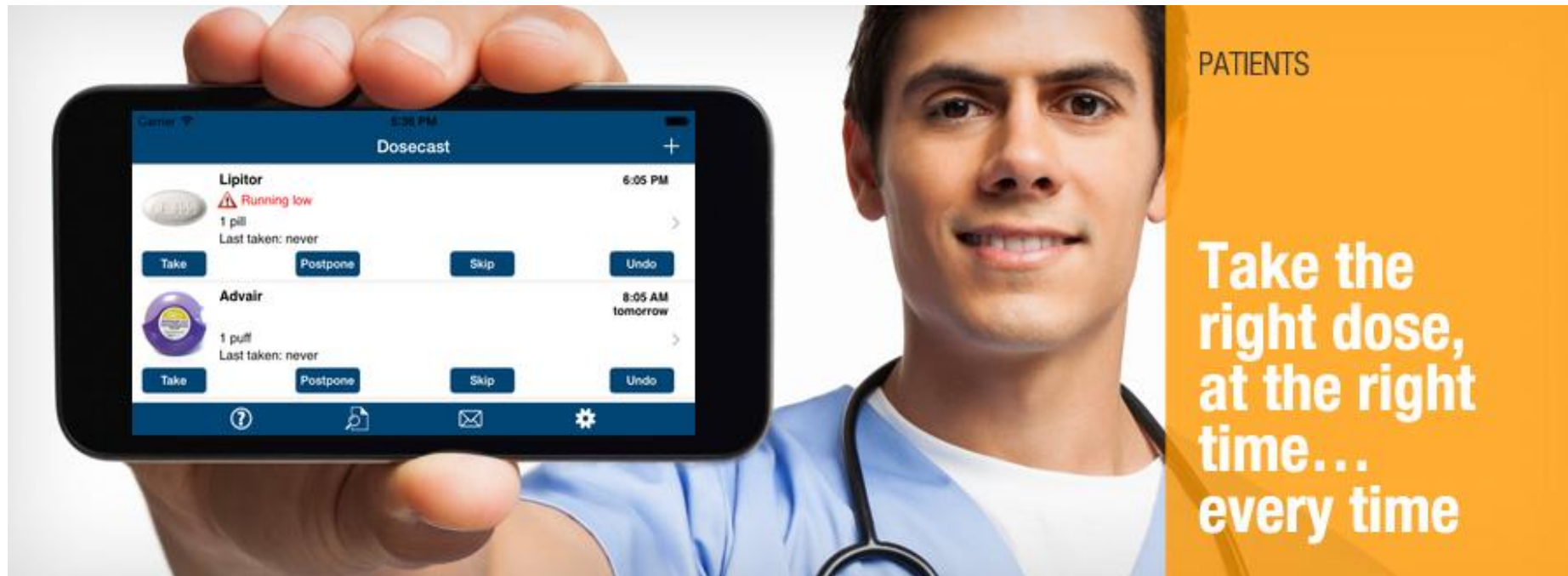
Portfolio

Emorphis Mobile Portfolio

Premier Case Studies!

Dosecast App

Software provides medication adherence solutions for smartphones and tablets that helps patients track and adhere to the most complex medication regimen while aggregating adherence intelligence for caregivers and researchers.



Features

- Setup reminders on a daily/weekly/monthly schedule, every few days or weeks, or for a pre-set number of hours or days after the last dose
- Set notification frequency
- In-app purchase
- Manage multiple dosage
- Facility to join groups
- Support all time zones.

About.com
FierceMobile
Healthcare

REAL SIMPLE
The New York Times

Reader's
Digest

iOS – <https://goo.gl/ohffBk>

Android - <https://goo.gl/FuUNe1>

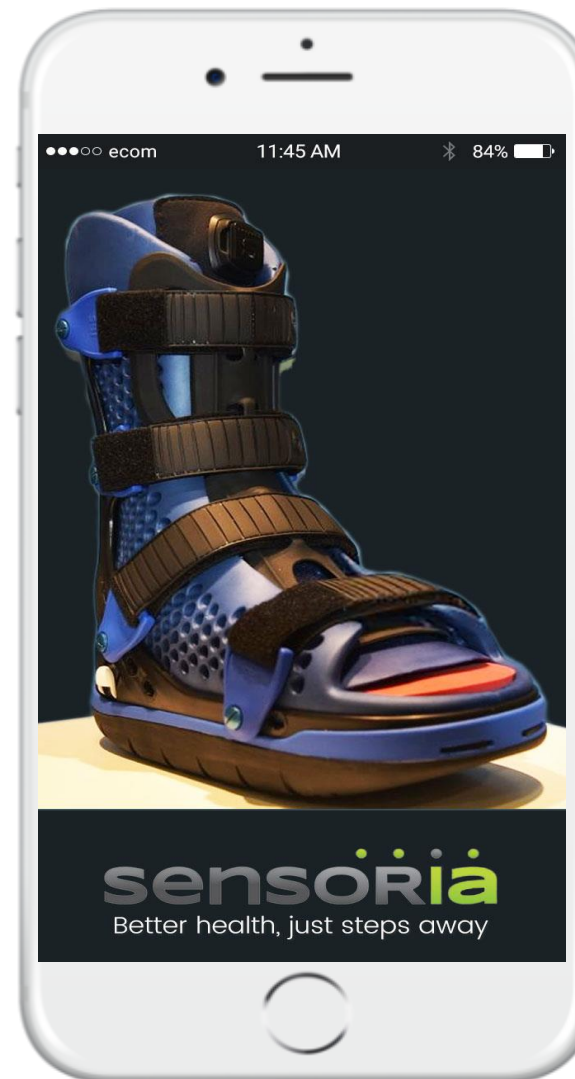
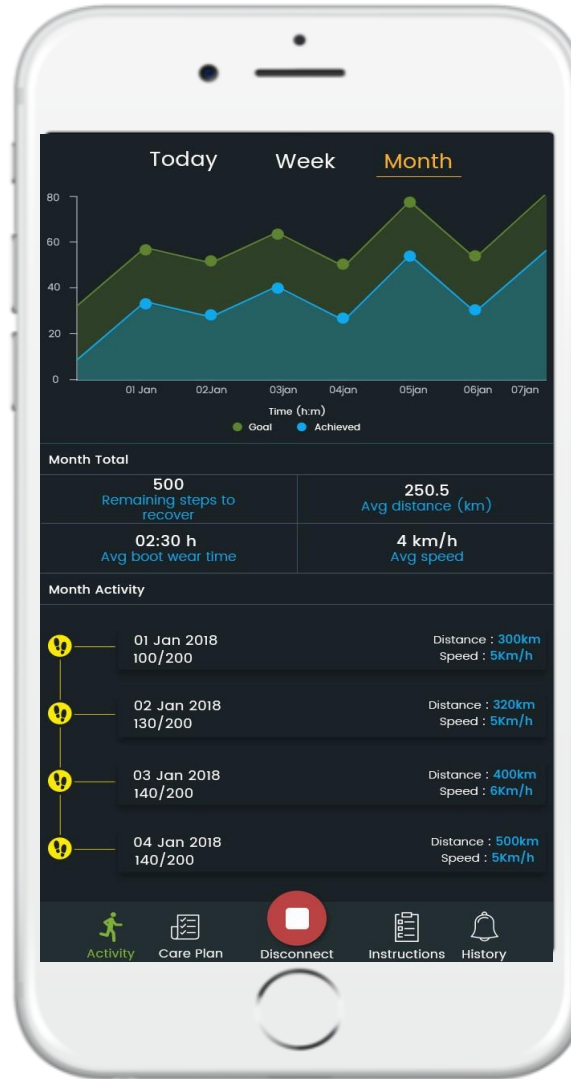
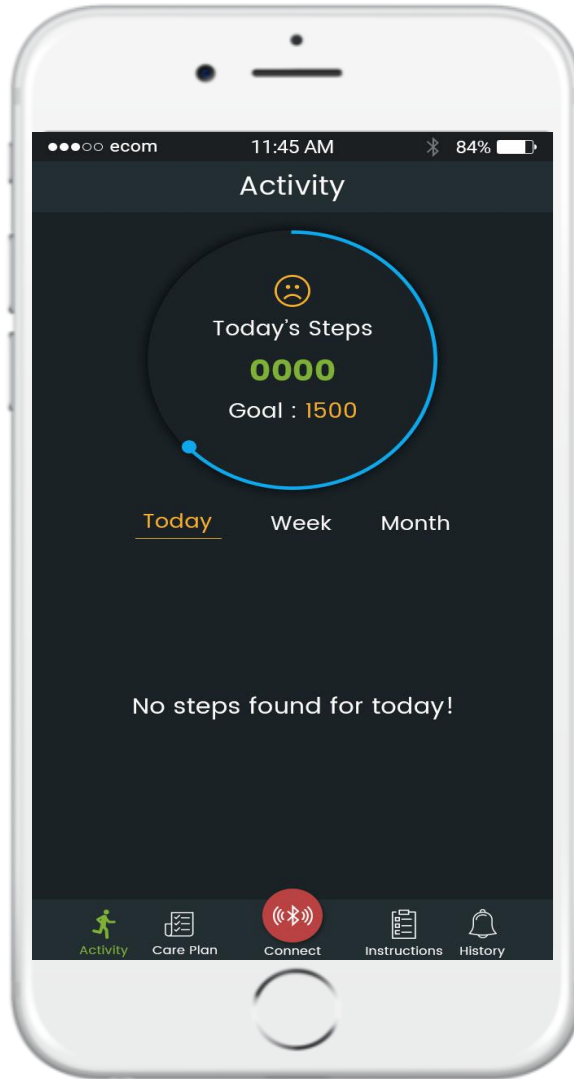
Sensoria App

Features

- Integration with external boot.
- Real time alert notifications based on physician recommendations.
- Complete activity tracker for Motus Smart Boot
- View Statistics Date/Week/Month
- Get real time recommendations from physician.
- Alert notification in case of patient inactivity.

iOS – <https://goo.gl/ZJniAU>

Android – Coming Soon

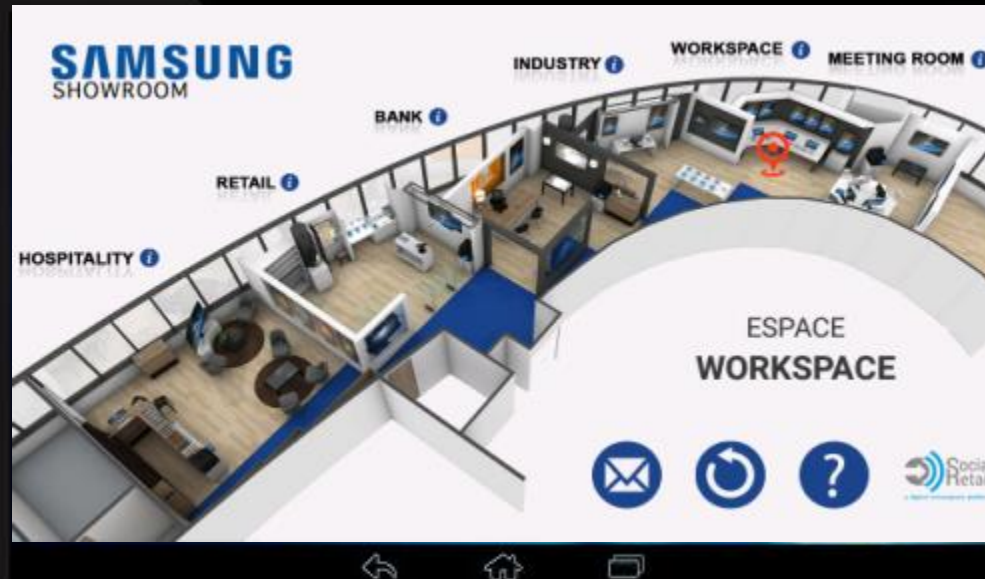
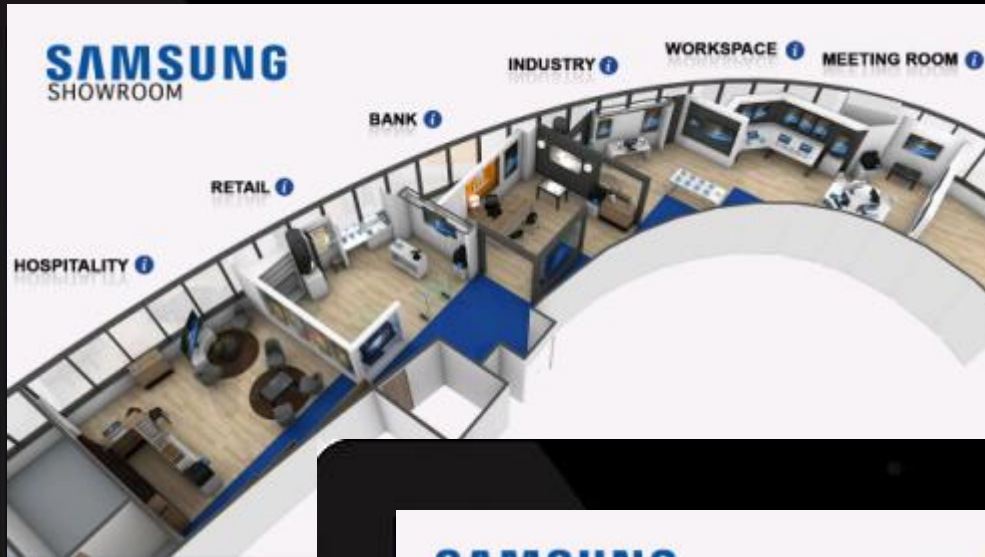


Samsung Showroom App

Features

- Real-time user location tracking within a Samsung Showroom.
- Bluetooth based beacon integration in application.
- Helps user to navigate within the Samsung Showroom.
- User will get notifications on description of current place whenever he/she changes their location.
- Customized Social Retail beacon SDK as per application requirement.
- User can also email his/her current position via email/social networking platforms.

Enterprise App – Pre-installed in Samsung devices



EMO PPU for Crompton Greaves

Features

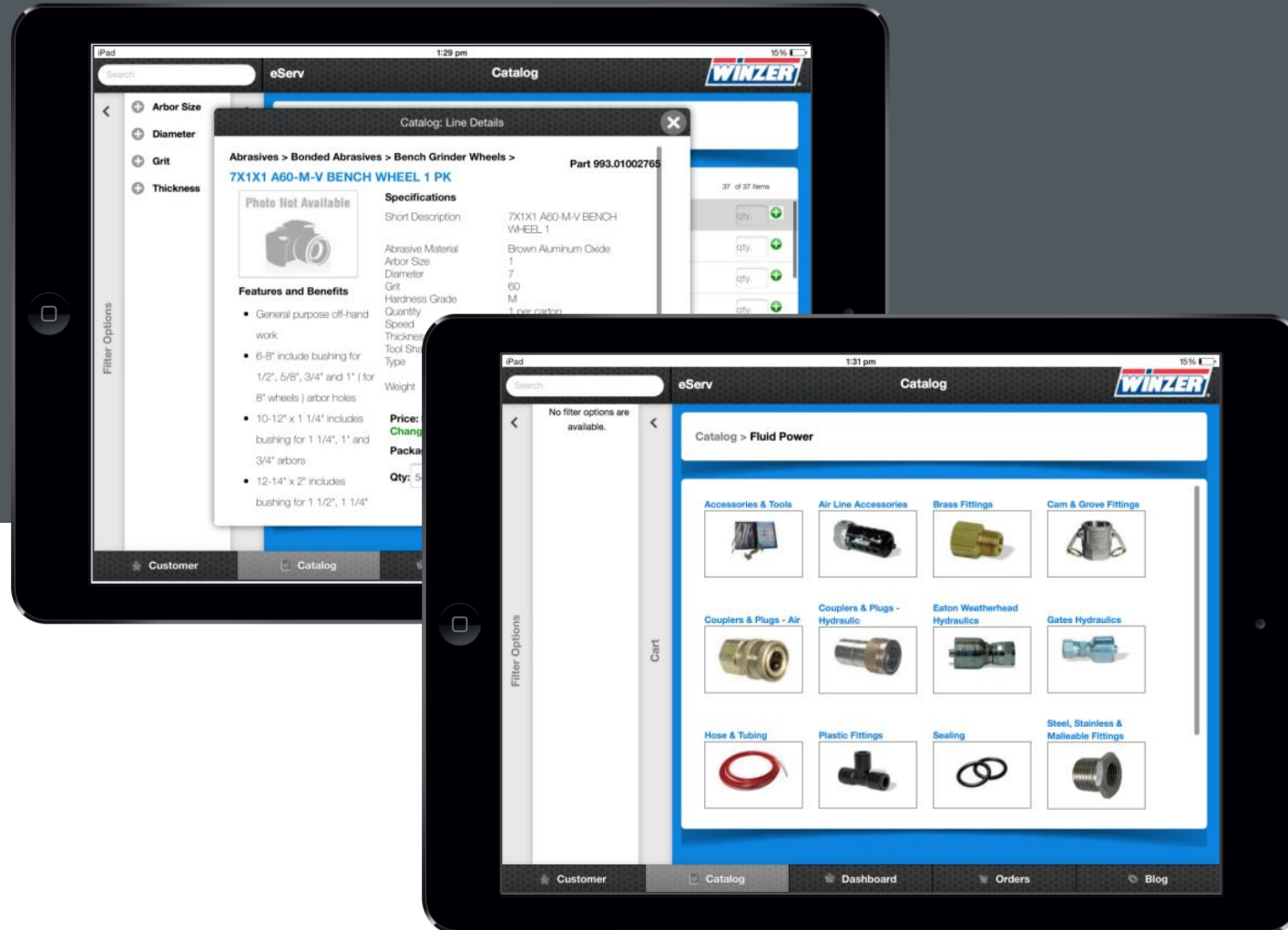
- Wireless remote control of AC Drive using mobile app through BLE4.0 technology.
- Password protected application, preventing unauthorized access.
- Automatic sync of mobile current date-time to physical PPU at the time of connection.
- Supports 11 languages - English, Svenska, Netherlands, Deutsch, Francais, Espanol, Pyccknn, Italiano, Czech, Turkish, Chinese.
- Automatically gets disconnected when smartphone goes out of PPU WiFi / BLE range.
- Cannot connect to any other smartphone when already connected.

iOS – <https://goo.gl/9Y4i3g>

Android - <https://bit.ly/2DU7axR>



Automotive Retail Order Management App



- Application built on sound distributed applications principles
- Intuitive user interface to search products using a variety of criteria
- User authentication and role management for providing secure access
- Orchestrates complete Order management (Creation, Tracking, History)
- Offline data storage that enables a fully functional application in the absence of internet connectivity
- Push notifications
- Sophisticated automatic data sync mechanism
- Data validity is assured by thorough system checks
- Supports quick searching over hundreds of thousands of products

**Enterprise app hosted on private server.
Hence not available on public app stores.**

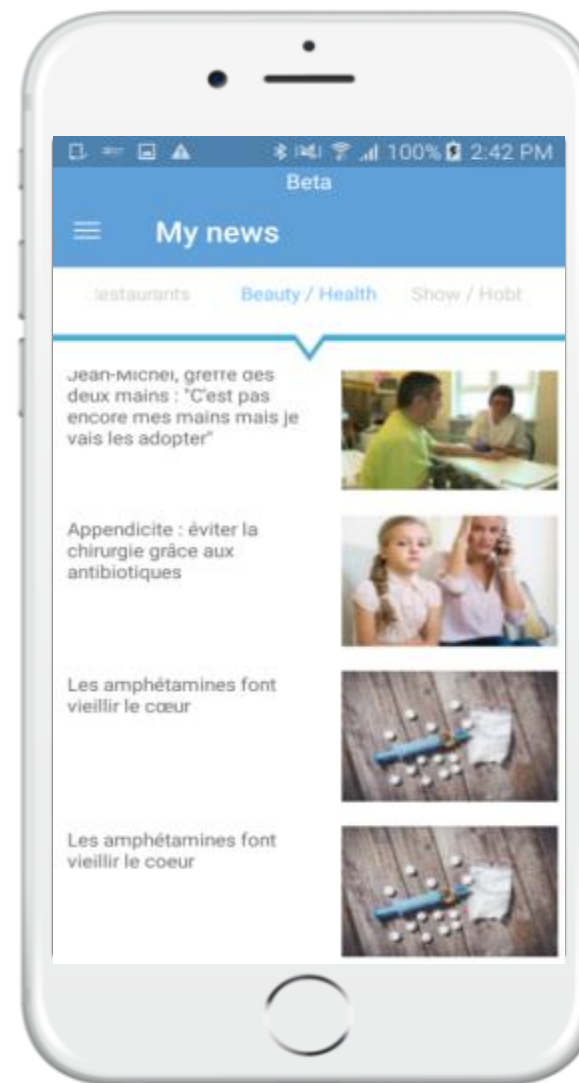
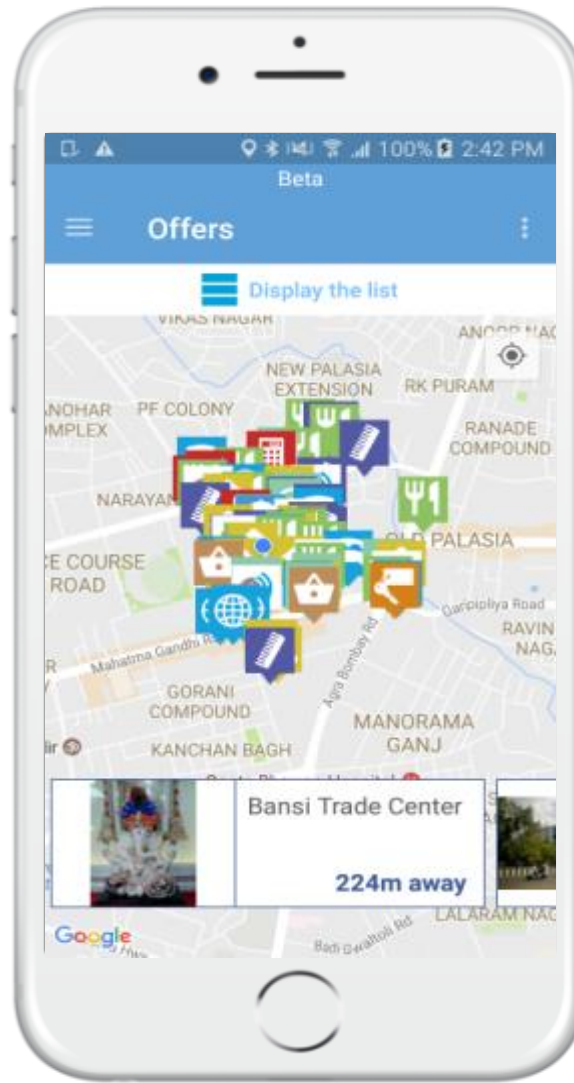
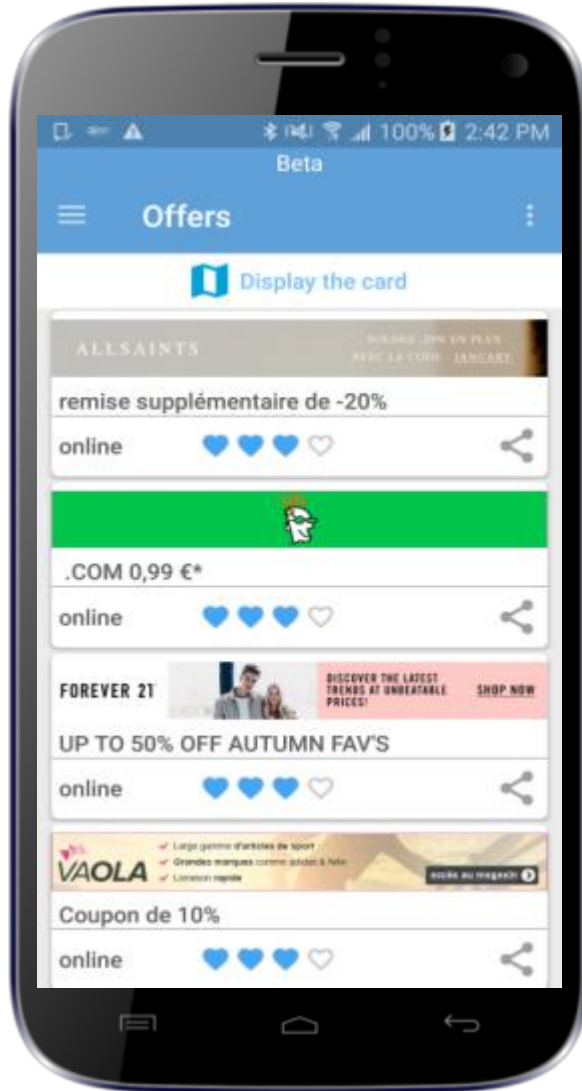
Social Retail App

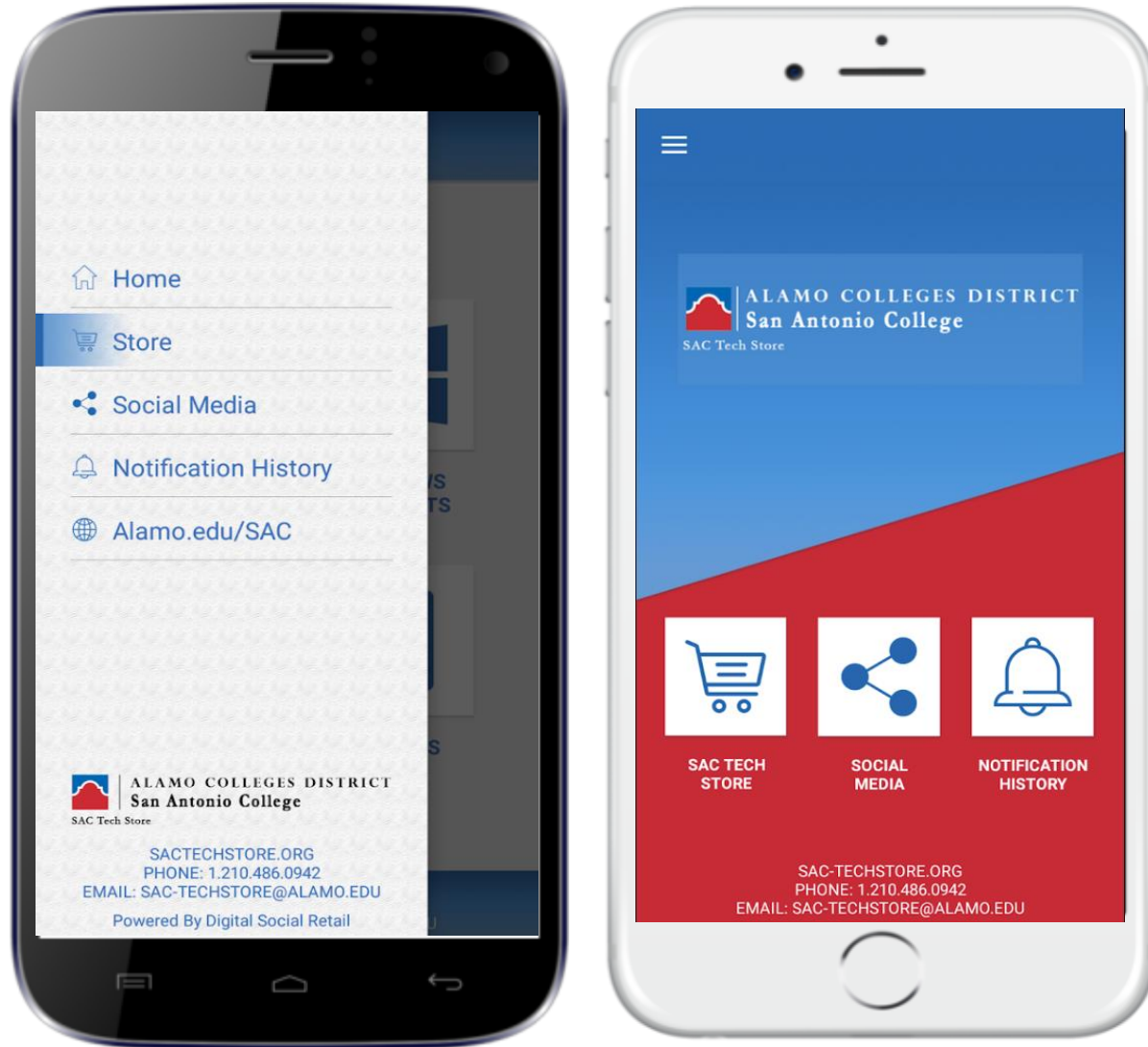
Features

- Set your preferences
- Set notification frequency
- View near-by offers
- View offer details
- View navigation path on map to specific offer
- Set offer as favorite
- Rate an offer
- Get latest news
- Manage loyalty cards

iOS - <https://goo.gl/5HDczY>

Android - <https://bit.ly/2ulhOhE>





Sec Tech Store

- Campus technology store at San Antonio College in San Antonio, Texas.
- Alamo Colleges Students, Faculty and Employees can visit the store and receive special education discounts on products, participate in free technology training workshops and get personalized repair service with the authorized and certified technicians.
- View near-by offers
- View offer details
- Set offer as favorite
- Rate an offer

iOS - <https://goo.gl/nLYQT7>

Android - <https://goo.gl/vWU2CB>

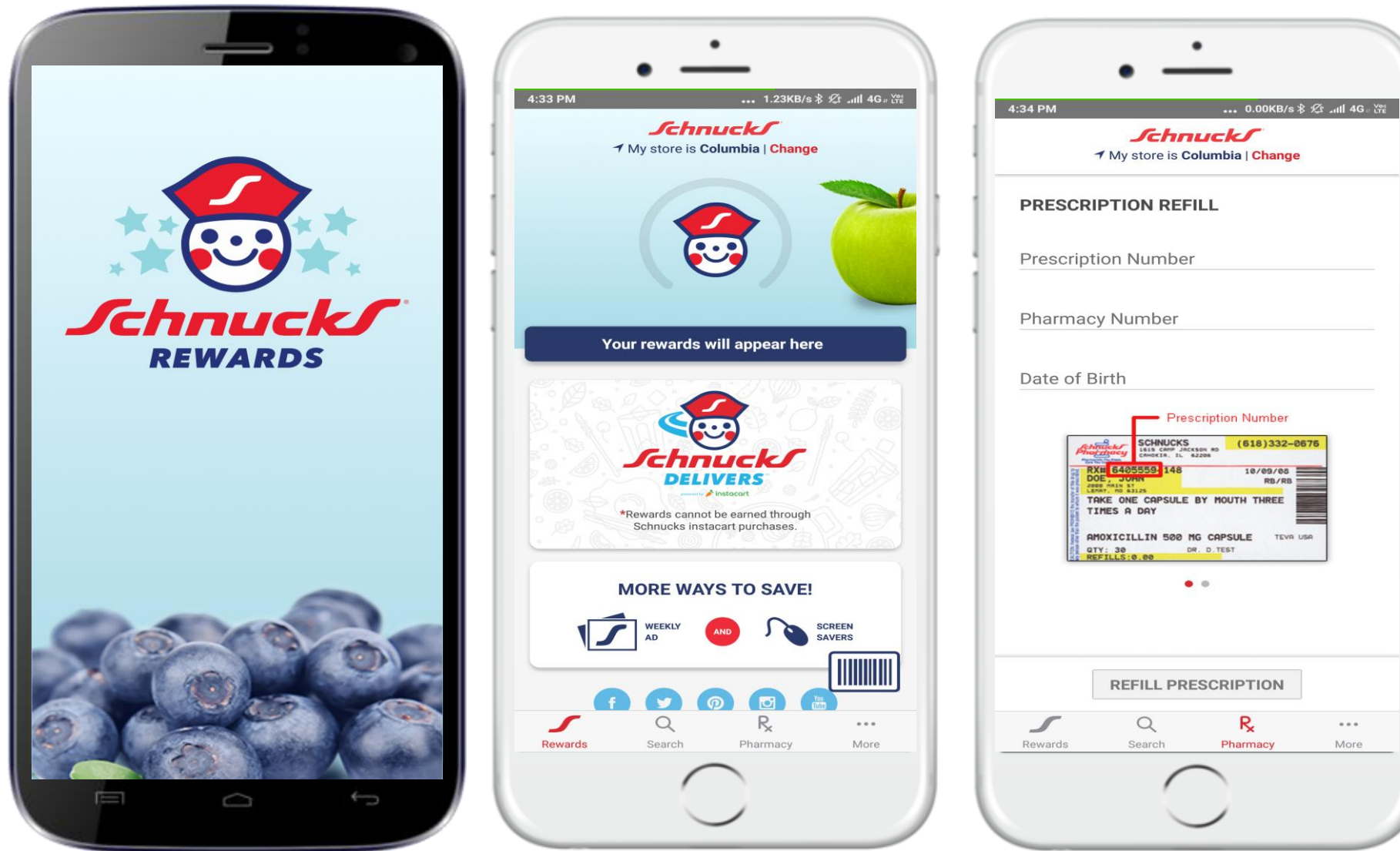
Schnucks Rewards – Retail Store App

Features

- Location based store search
- View store details
- Set a store as home store
- View store based weekly ads
- Store based products search
- View product details
- Create and manage shopping list
- Pharmacy refill
- Set pharmacy refill reminders

iOS - <https://goo.gl/3s6NNR>

Android - <https://goo.gl/vhk1BB>



Chantier Connecté

Features

- Enables to connect workers with the building site to send security notifications.
- Geo fencing to ensure the worker's security and improve the flow management.
- BLE beacon integration.
- Emergency alerts.
- Push notifications.

iOS - <https://goo.gl/VAh838>
Android - NA

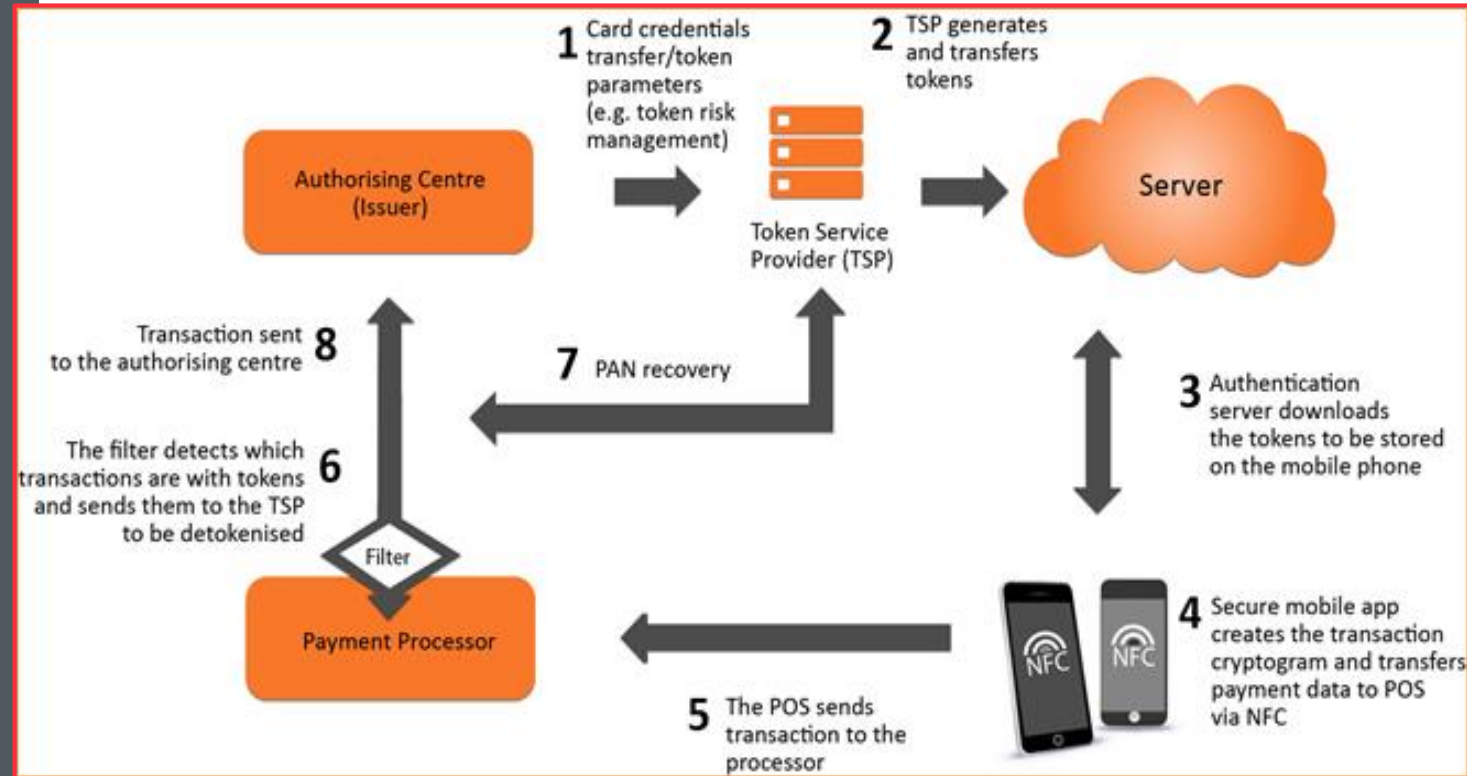


Secure Payments With Mobile Wallets

SWIM mobile apps secure payment tokens on NFC devices

SWIM (Software Wireless Identity Module) solution provides strong cryptographic security to a wide range of applications and services on mobile devices.

MAP (Mobile Application Platform) host provides the most advanced HCE EMV card/token issuance payment service for most card / token issuers!



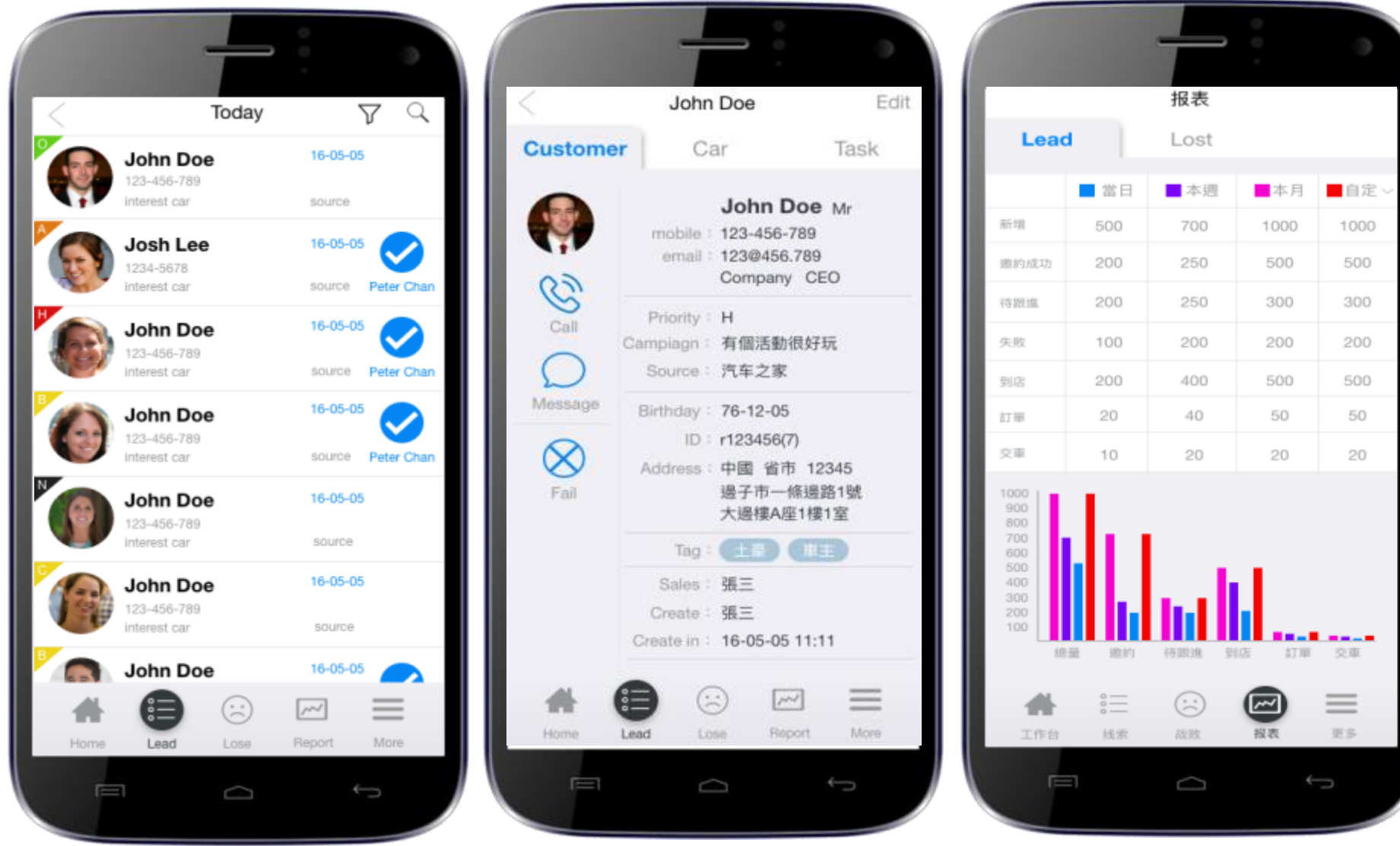
**Enterprise app hosted on private server.
Hence not available on public app stores.**

Automotive Lead Conversion App

Features

- Enterprise automotive lead conversion app
- Multilingual
- Multiple user roles
- Create and manage leads
- Create and manage cars
- Create and manage tasks
- Interactive reporting using bar and pie charts
- View lead status

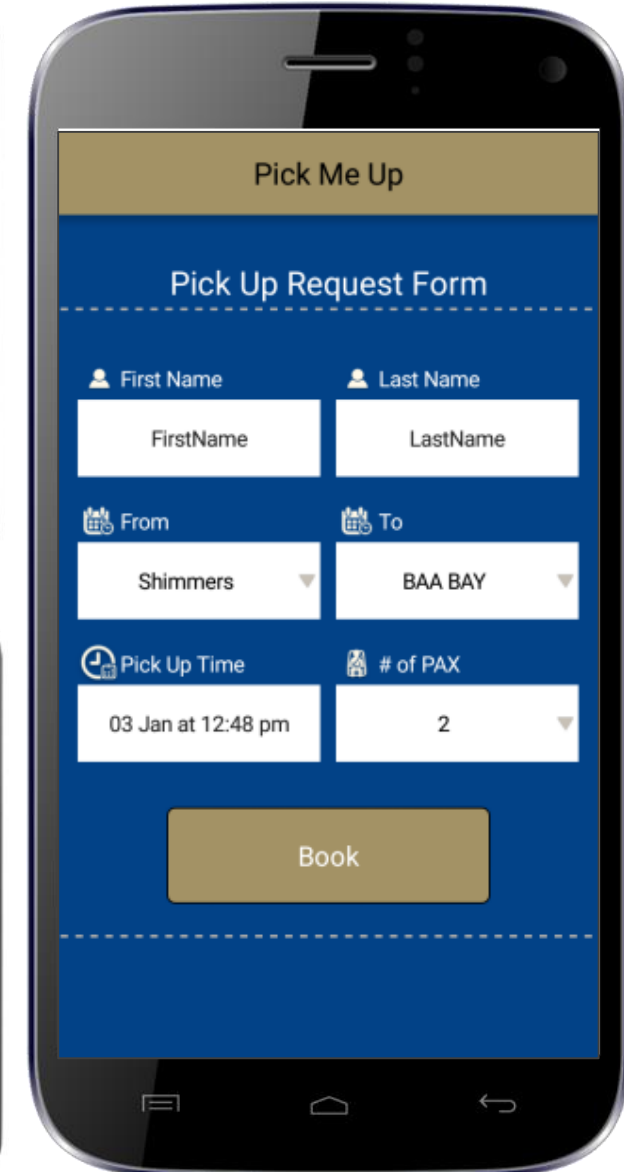
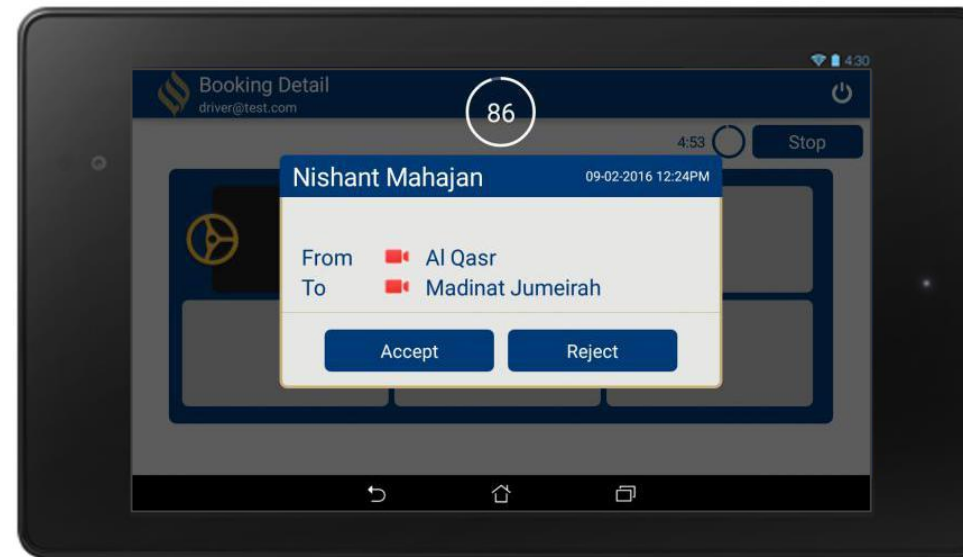
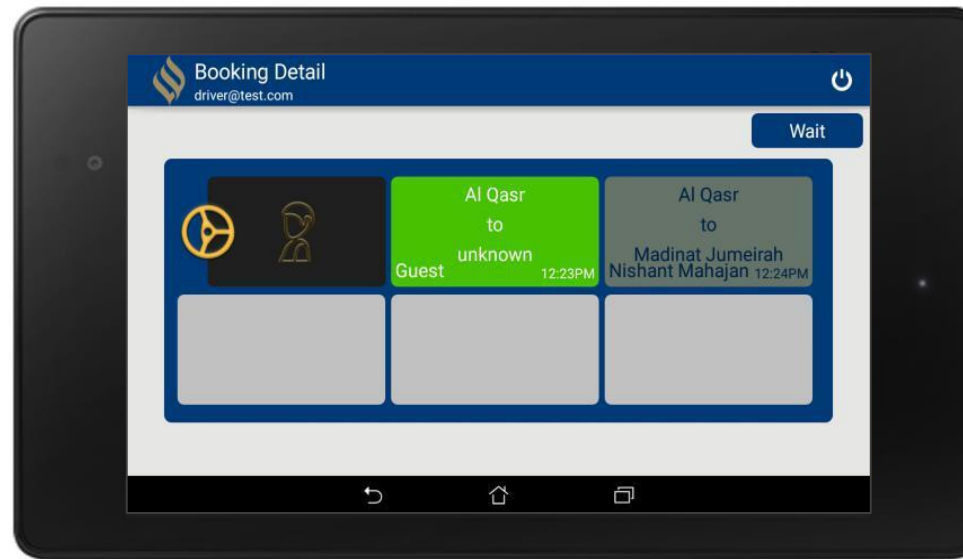
Enterprise app hosted on private server. Not available on public app stores.



Jumeirah Mobile Apps

- Android app for drivers
- Android booking app for customer
- Login
- Choose event
- Receive new booking notifications
- Accept / Reject booking
- On-board / Off-board a customer
- Customer can create a new booking
- Automatic booking assignment to drivers
- Re-assignment of bookings if it is rejected by a driver

**Enterprise app hosted on private server.
Not available on public app stores.**



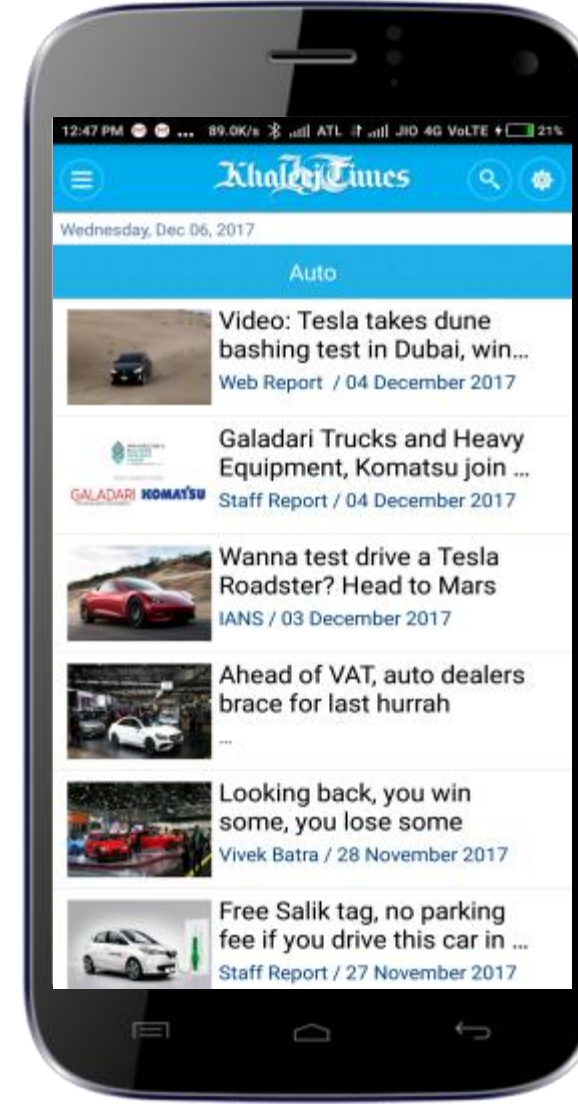
Khaleej Times News App

Features

- News based mobile application
- Choose news categories
- Get notifications about latest news
- Share news on social platforms
- Utilities like flight info, weather info, prayer times etc.
- Bookmark a news
- Text to speech option to enable voice based news reading
- Keywords based news search

iOS - <https://goo.gl/MKKvgM>

Android - <https://goo.gl/8gy1h1>



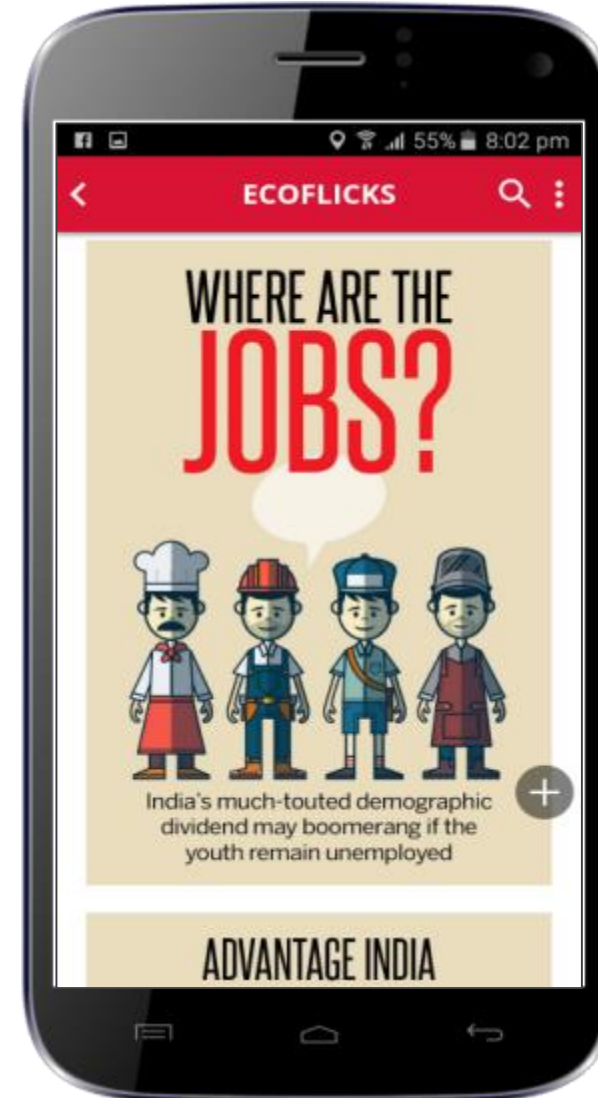
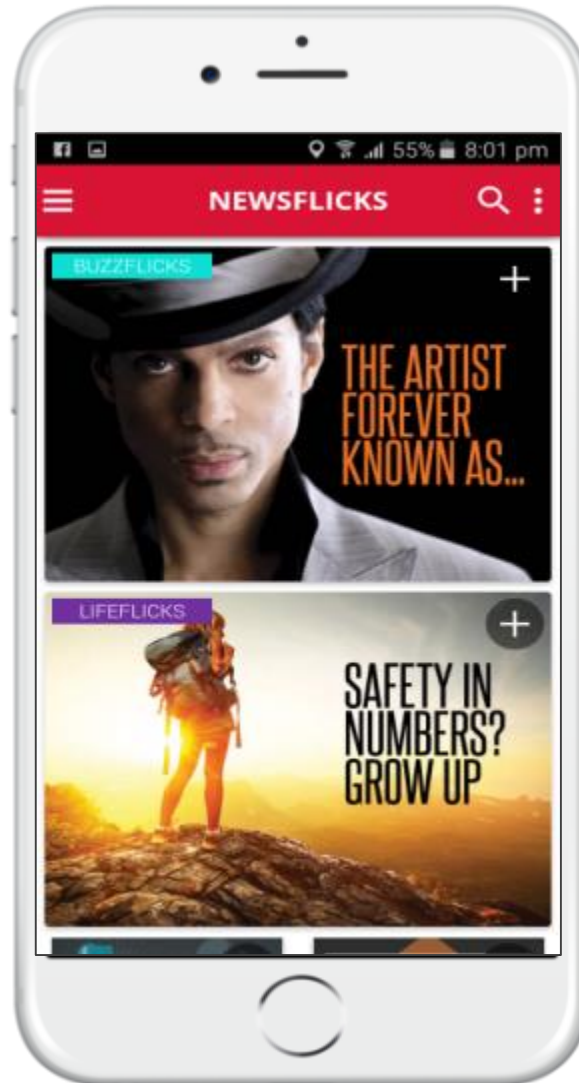
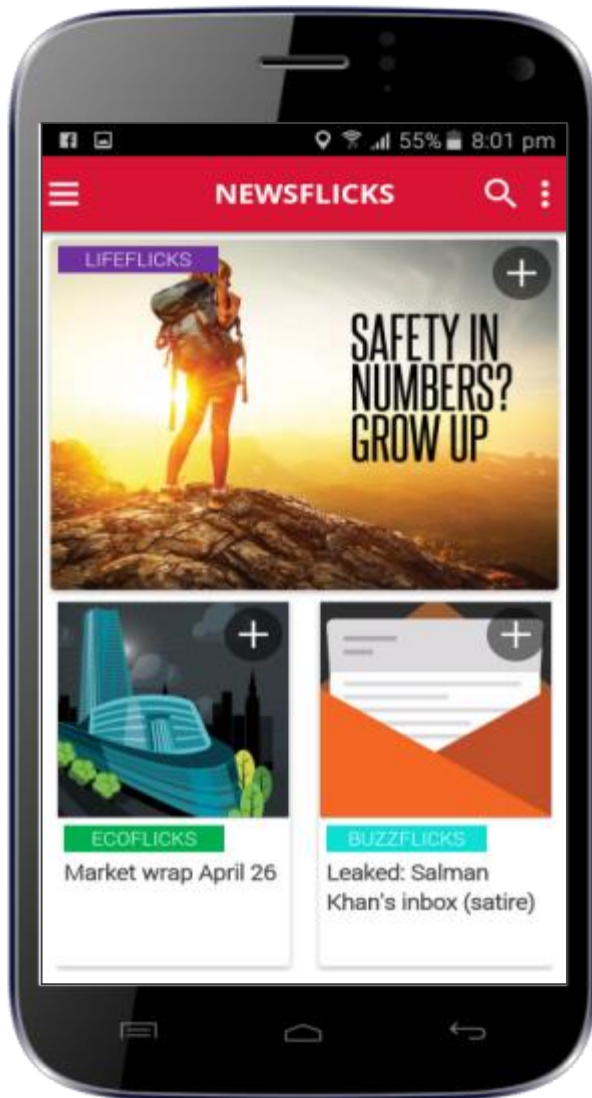
News-Flicks News App

Features

- Story categories
- Multi-lingual
- Template based stories
- Search a story
- Share stories on social media
- Like / dislike a story
- SaaS and cloud deployment
- Google Analytics integration
- Readymade APIs for consumption on any platform

iOS - <https://goo.gl/ffymj8>

Android - <https://bit.ly/1QQ8Mdo>



Emorphis IoT Portfolio

Premier Case Studies!

Capability

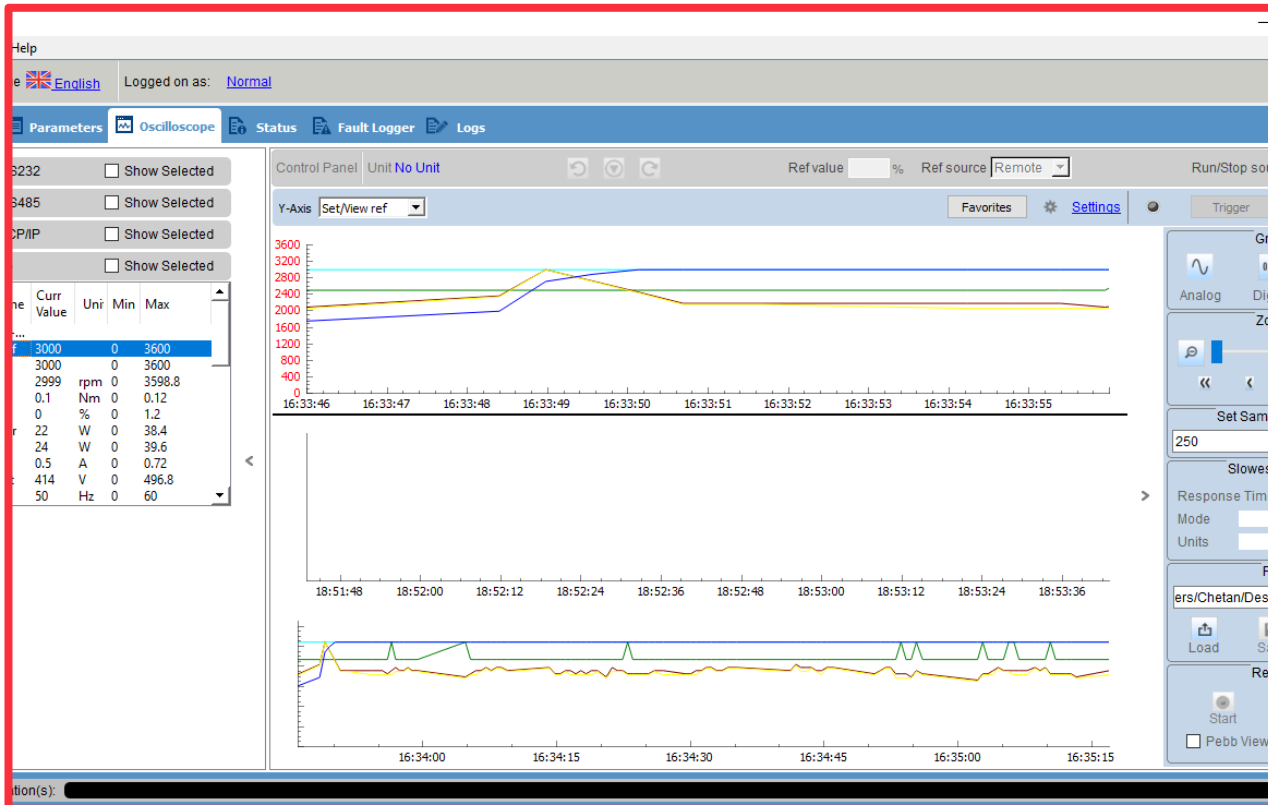
Internet of Things

Emorphis would like to share it's IoT capabilities using some small projects which are based on latest embedded system technologies. We would like to highlight how technology can be a force-multiplier for positive change – connecting people to the real machines.



IoT Capabilities

EmoSoftCom

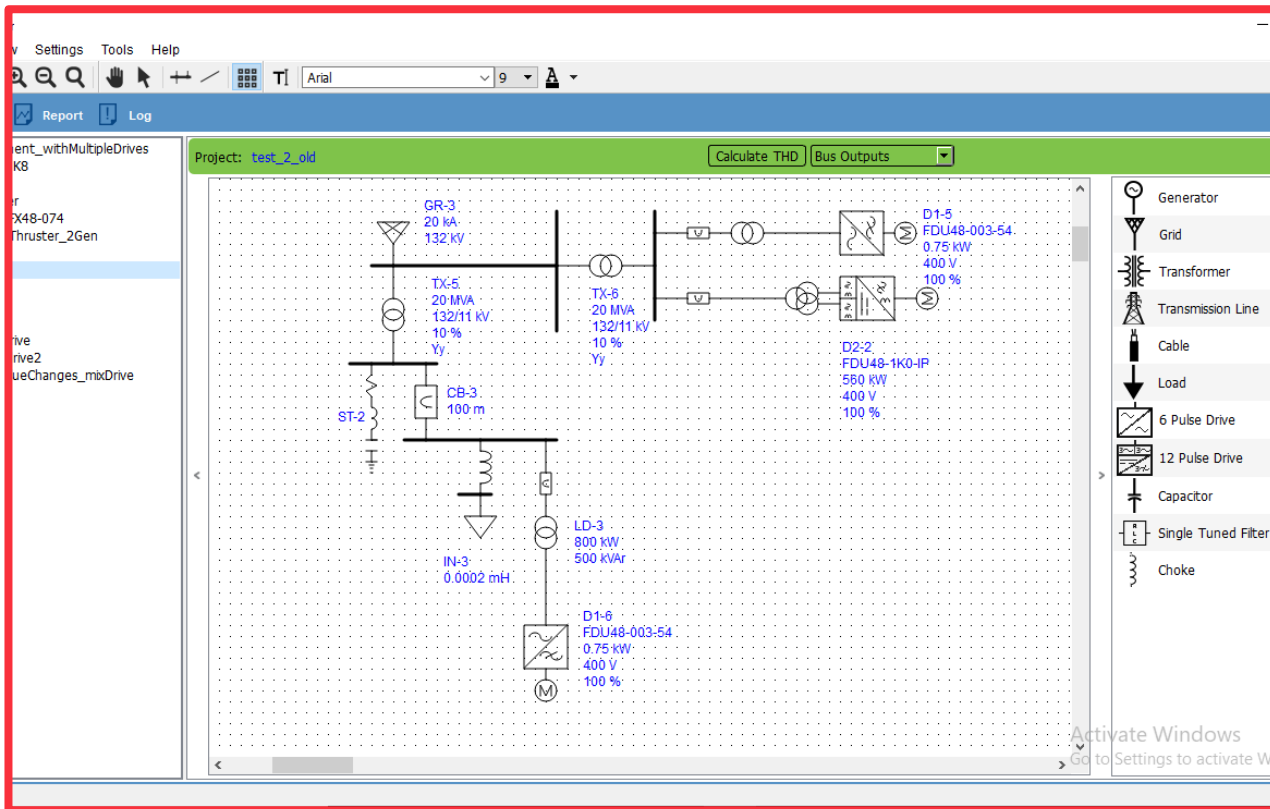


- The EmoSoftCom is a front-end application used to control different AC Drives in multiple Industrial environments.
- This application is used to configure, control, monitor, troubleshoot and maintain the AC Drives.
- The application has user management and up to 255 drives can be connected simultaneously with help of this application.
- The application use MODBUS protocol over RS-232,485 or TCP/IP to connect to AC Drive.
- The application gives complete inside of AC drive with the helps of listing all the parameters, showing real-time graphs, logging errors and generate reports.

Tools Used – QT with C++

IoT Capabilities

Total Harmonic Distortion (THD) Calculator



The THD Calculator is designed to support Drive users to calculate the end effect of selection of particular drive type on the connected network.

THD calculator is computing tool which computes complete Load Flow Analysis of electrical networks.

- This application is used to configure, control, monitor, Schematic editor or single line diagram capture
- Component Editor
- System level validation and UI
- Report generator
- Standard selection and comparison with standard limitations.
- Matlab code accept schematic diagram as a text file, calculate the result and generate output file which can be later used by GUI application.
- Matlab code implements Gauss Seidel method for iteration process used to calculate Total harmonic distortion

Tools Used – QT & Matlab

Hardware Development



- Rapid prototyping & proof-of-concept designs
- Research and development of Digital and Analog circuits
- Microcontroller selection
- Power module design and selection
- Sensor selection and interfacing
- Interface: I2C, SPI, USB, UART
- Schematic Design
- Multi-layer PCB Design
- Packaging
- Simulations of circuits using PSpice, Proteus and Matlab etc.
- Schematic and PCB designing using Altium, Proteus, Eagle etc.

Embedded Software



- Firmware development for 8-32 bit microcontrollers.
- Microcontroller: Atmel, PIC, TI and ST
- In-depth understanding of C, C++, Compiler and Debuggers
- Understanding of Firmware update Over The Air (FOTA).
- Application development with RTOS and Linux
- Sound understanding of various testing & measurement tools of DSO, Spectrum Analyzers, Logic Analyzers and Power supplies
- Calibration and Alignment logic
- Interrupt handling and time management
- Efficient loops
- Sleep/Deep sleep mode for power management
- Interfaces with network stack and cloud APIs
- HTTP and MQTT Libraries
- Quality Check (QC) and Quality Assurance (QA)

IoT Development



- Hardware Design and Development
- Firmware Design and Development
- Data Transmission Design and Development
 - Various network protocol like Wifi, Zigbee, Bluetooth, GSM and LoRa
 - Device numbering and discovery mechanisms
- Middleware Development
 - IoT gateways and aggregators
- Backend Development
 - IoT data aggregation using Mosquitto, broking and aggregating services
 - Data analytics and Actuation
 - Data storage in database and retrieval
- Mobile App Development

IoT Capabilities

IoT App Development



- Desktop Application: Qt, LabVIEW, Python
- Web Application: Java, PHP, NodeJS, Dot NET, RoR, Angular
- Mobile Application: Core Java(Android), Objective-C, SWIFT(iOS) and CORDOVA, Xamarin, React Native (Cross Platform)
- Cloud Application: Custom development or standard like AWS etc.

Qualcomm Diagnostic Consumer Interface (DCI)

Objective

Real time data acquisition from Qualcomm Diagnostic Consumer Interface (DCI).

Scope of Work

Scope of work includes development of a native (Linux) application for Android in getting real-time RF Network Parameters from Qualcomm DCI. The Qualcomm DIAG is the Qualcomm diagnostics interface chip on mobile for RF processor and it has standard interface to communicate with it. We developed an application which can talk with DIAG using inter-process communication and provide data to upper Android layer for further processing.

Technologies Used

- **Firmware:** C, C++
- **OS:** Linux

Firmware Development of SMPS 750W Power Supply

Objective

Development of firmware for SMPS based power supply.

Scope of Work

The scope of work includes development of firmware for core functionalities of firmware that are voltage, current & temperature measurement, close loop control for voltage and current setting, firmware update, front panel handling, instrument standard communication interface implementation (RS232, RS485, USB, Ethernet), calibration, in system programmability.

Technologies Used

- **Firmware:** C
- **Microcontroller:** STM32F107
- **Compiler:** Micro-C

IoT Device Development (Gateway & Node)

Objective

To design a generic IoT device to work as a node and gateway.

Scope of Work

The scope of work includes development of hardware and firmware of system which will connect to any available sensor, can communicate over various standard wireless protocols, low power device, over the air (OTA) programmable and highly configurable.

Technologies Used

- **Firmware:** C
- **Wireless Interface:** WiFi, BLE, Zigbee, GSM etc.
- **Sensors:** Temperature sensor, Humidity, Pressure, PIR
- **Microcontroller:** STM32F107
- **Compiler:** Micro-C

Home Automation System

Objective

WiFi based switching circuit to switch On/Off Electrical Loads and Mobile application to control operation.

Scope of Work

The scope of work includes designing, testing and validation of a switch circuit board which will have WiFi communication capability, and can be used to switch the electrical equipment On/Off. A mobile application will be developed for controlling these devices.

Technologies Used

- **Firmware:** C
- **Mobile Application:** Java
- **Microcontroller:** Atmega328
- **Compiler:** Micro-C

IoT and Machine Learning

Objective

Implementation of machine learning in field of Predictive Maintenance of Motors.

Scope of Work

The scope of work includes designing of IoT device circuit which measures voltage, current for predicting output load, development of data acquisition software and machine learning code for predictions.

Technologies Used

- **Firmware:** C
- **Data Acquisition Application:** LabVIEW
- **Machine Learning:** Python
- **Microcontroller:** Atmega328
- **Compiler:** Micro-C

Firmware Development of Micro-Ohm Meter

Objective

Development of firmware for Micro-Ohm Meter.

Scope of Work

The scope of work includes development of firmware development for core functionality of measurement, controlling and calibration.

Technologies Used

- **Firmware:** C
- **Microcontroller:** STM32F107
- **Compiler:** Micro-C

Finance & Banking

Premier Case Studies!

iStatements – Interactive PDF Generation Platform

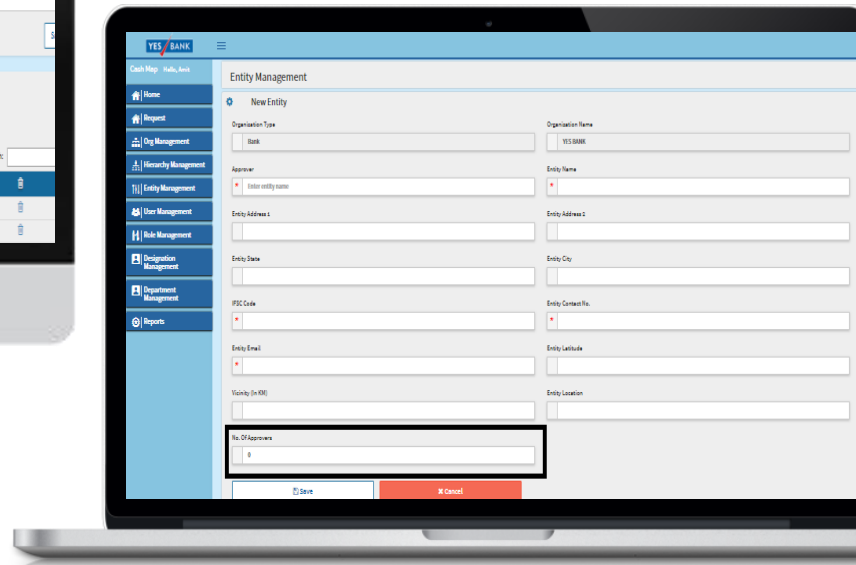
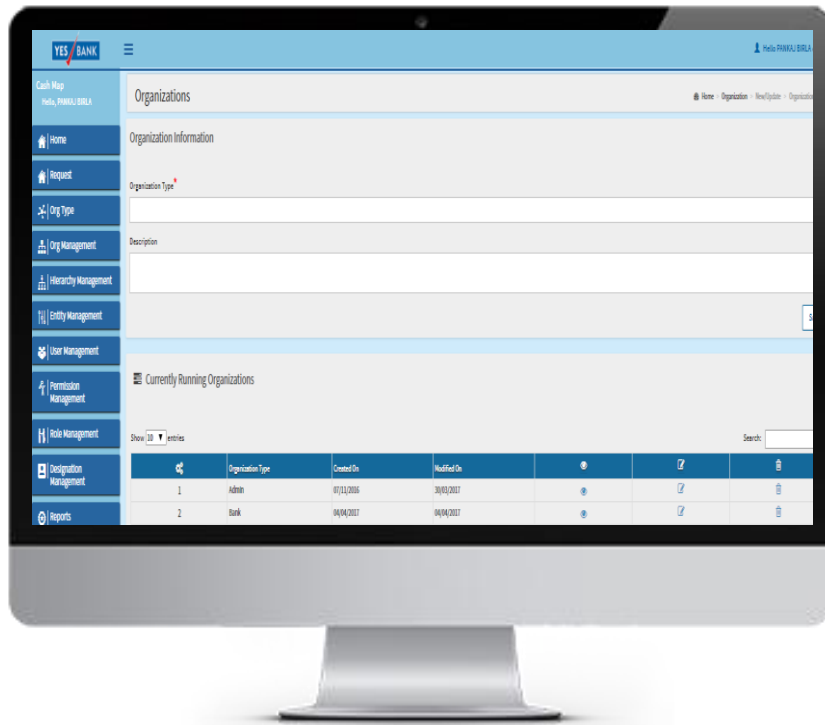


- iStatements is an intuitive interactive electronic statement, which provides highly personalized and enriched online experience to customers inside the PDF bills or statements received on emails.
- It is highly scalable and secured platform for automated generation of **millions** of interactive PDF, the iStatements.
- This is backed by a sophisticated platform that can be integrated easily with your existing billing/CRM/report generation systems. It auto generates interactive statements (iStatements) customized as per required branding.

Our Clients – Bajaj Finserv Ltd. / Capital First Ltd.

CashMap System

Managing cash is the most important factor in the financial world. With technology advancement, managing cash has become an easier task resulting in reducing cost of acquisition / disbursement and increasing profitability. CashMap addresses all these factors. CashMap manages a strong Audit Trail in the system. Any activity happening across the system is immediately captured with all relevant details in order to have full transparency & control over the system. CashMap also provides a tight control as far as user access is concerned.



Features

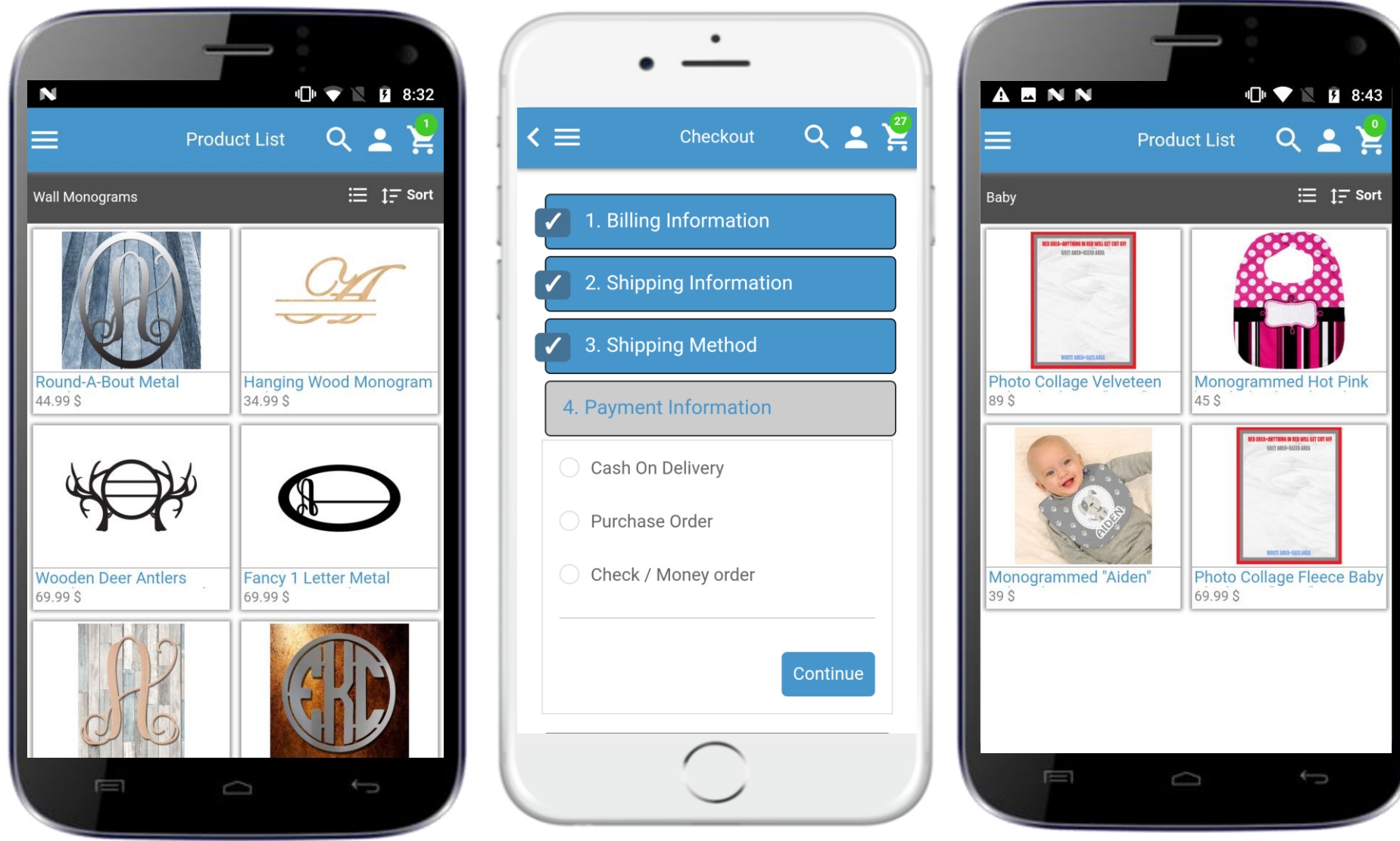
- Organization Management,
- Department Management,
- Designation Management,
- Corresponding Bank Creation,
- Request Lifecycle
- Audit Logging & Alerts

Headless Magento

Magento App

Features

- Ready to be integrated with standard Magento APIs.
- Customizable Home Page
- Magento driven product categories & featured product sliders.
- Support simple, configurable, grouped, bundled & downloadable product types.
- Search / Sort / Filters
- Payment integration.
- Shipping integration.



Enterprise Web

Outstanding work that we have done!

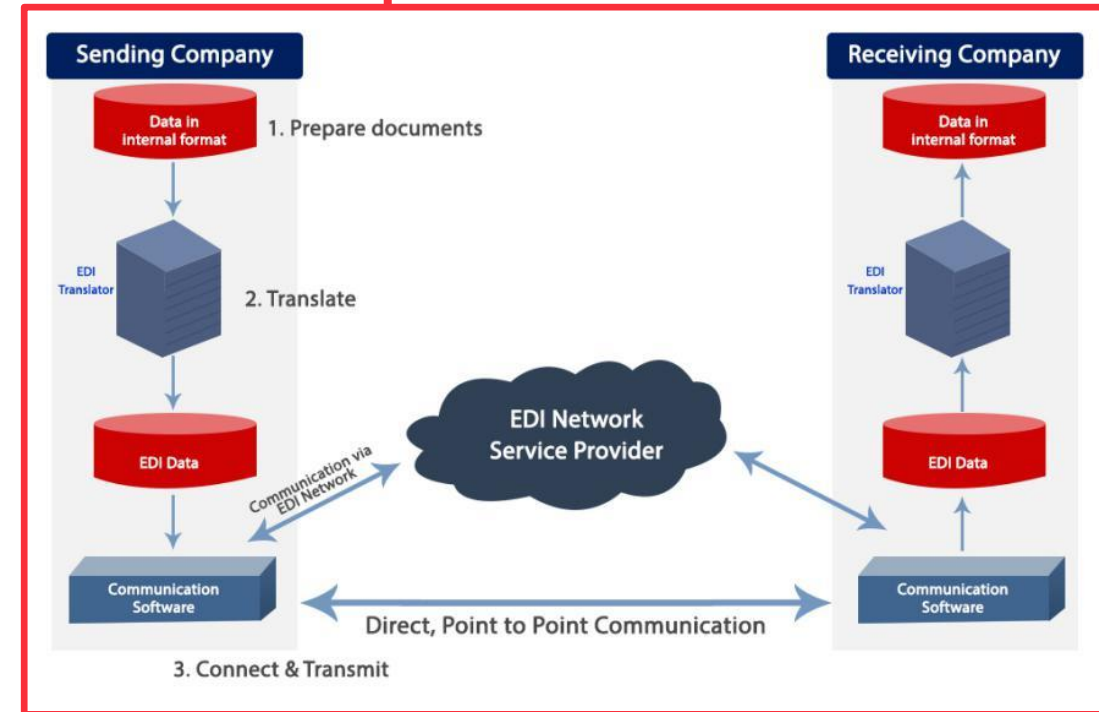
B2B Middleware Vendor Application

Web based B2B middleware vendor application in which vendors can view retailers purchase orders, and can generate invoices, shipment notices, and other EDI messages for the retailers. They can also manage Inventory Advice Report (846), Warehouse Shipping Advice/Order.



B2B EDI Translation Platform

- Web based document exchanging platform.
- Complete order management/processing/delivery between Retailer & Wholesaler.
- Support for common exchange protocols like FTP, FTPS, http, https, and AS2.
- Connects to disparate systems at both ends.
- Web based console for non EDI users.
- Email notifications facility for important events.
- Multiple encryption and SSL support to ensure data protection
- Generates Invoices, Shipment notifications, acknowledgements automatically.
- Multi-tenant server side architecture.
- Load balanced cloud based server deployment.
- Cloud based relational data and file storage.



Emorphis Web/Desktop Portfolio

Selected Case Studies!

Annuities Data Research Platform

The annuities data research platform is a sophisticated data collection, and presentation platform built for an Annuity Research Company.

The platform is used by many broker dealers, carriers, and advisers, in order to get accurate, and timely information about various aspects of different types of annuity products.

Some of the salient features of platform are:

- Intuitive web interface for searching products, and view their profiles, filtering of products based on different criteria.
- Side by side comparisons of products.
- Automated document collection into the system like product prospectus, and supplements.
- Coverage of the complete spectrum of annuity products including Variable, Fixed, and Indexed annuities.
- Data collection applications for annuity research analysts to keep the data up-to-date.



Annuities Data Research Platform



- We have a talented team of Financial Analysts, who are experts in analyzing and interpreting documentation like Prospectus' supplements filed by carriers at SEC, add valuable information to product profiles, and create executive summaries.
- Financial analysts capture financial reports that serve as summary information to customers.
- Our team of analysts identify relevant insights and compile analytical reports that enable customers make sound decisions.
- Forward-thinking forecasts based upon research conducted on financial trends is typically a key component of the reports that our financial data analyst prepares.
- They compile information on the prices of mutual funds, stocks, bonds, variable annuities and other key financial instruments that serve as valuable information for the customers.
- Trend analysis: Identification of trends in financial data, like sales, performance and summarize them into a form that captures essential trends across time, products, and highlight industry-wide trends.

Document Management System

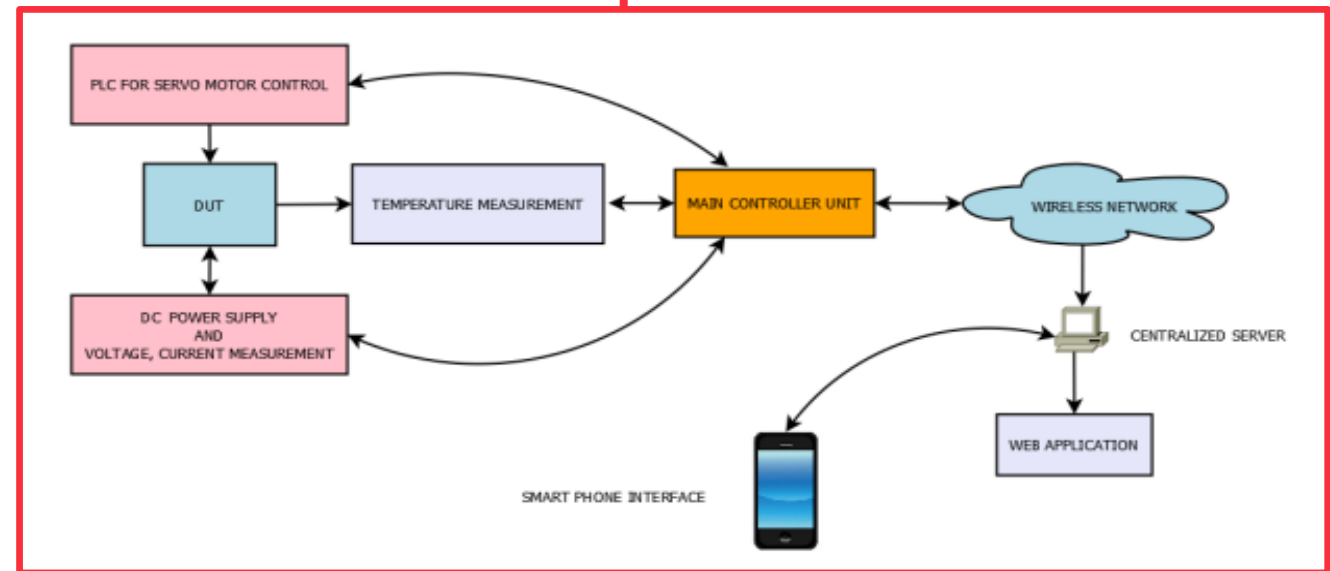
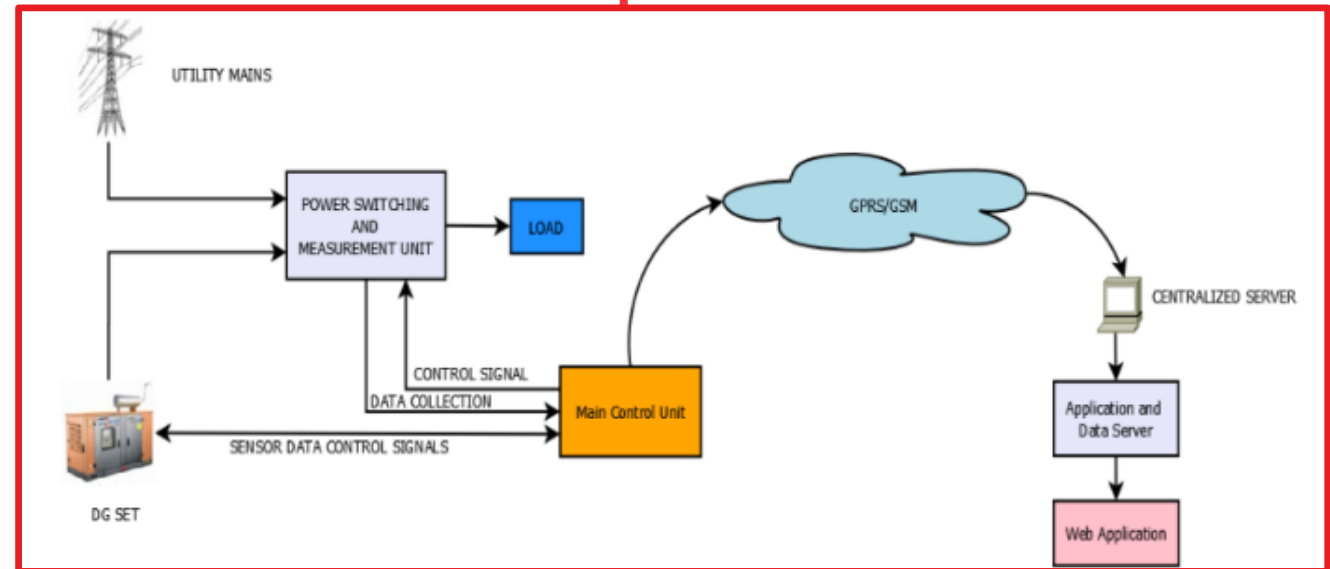


- Easy to use web based platform
- Auto download, classification and loading of documents.
- Mechanism to associate documents with products.
- Extracting and storing relevant portions of the document.
- Email notifications facility of new documents.
- Advanced document search within the library.
- Eases the work of data collection and analysis team and helps them manage a document library in a better way.
- The system can be integrated with a company's existing software, product database, and authentication/authorization mechanism by making minor modifications.

Web / Desktop Portfolio

Remote Monitoring & Control Solution

- Multiple protocol listeners for receiving sensor data.
- Near real-time alarm system.
- Integration with SMS gateways.
- High availability & Failover mechanisms.
- APIs for mobile application.
- Reporting & Analytics.

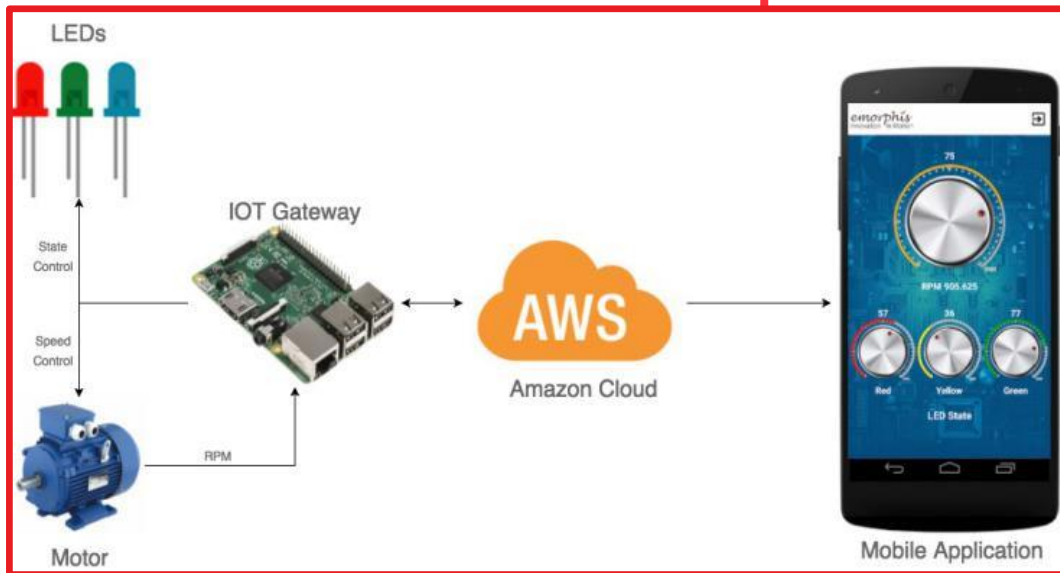


Industrial Monitoring & Control Solution

To improve productivity and at the same time control machines wirelessly is the key objective that we can achieve through this system. Using this system, industrial person can easily operate remote machines without his/her physical presence.

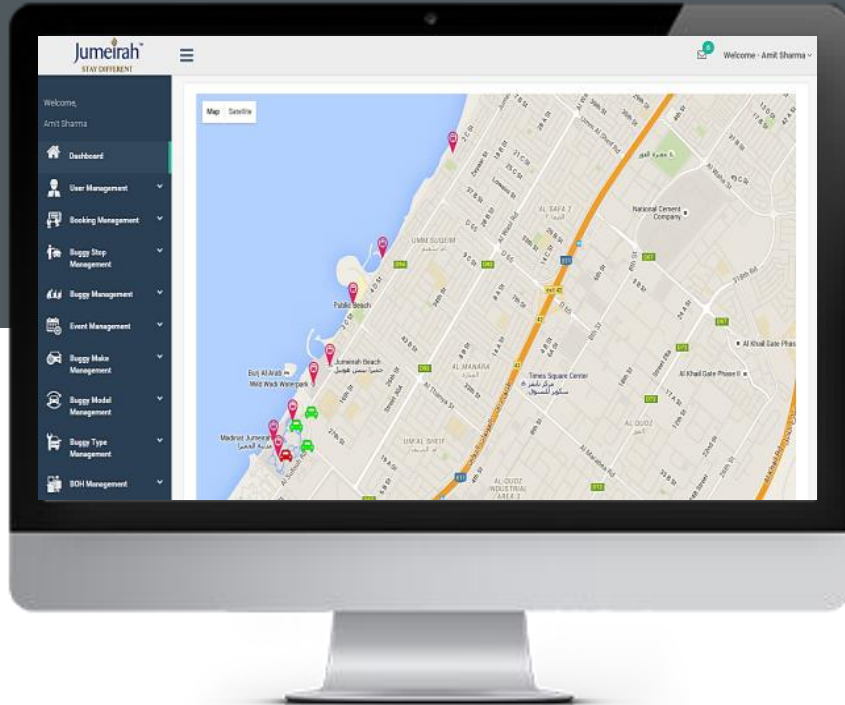
System is helpful in:

- Controlling and monitor any device or product over internet.
- Device management like software update, configuration/settings change, service troubleshooting is instantaneous & very easy.
- Data collected can be used to derive various analysis like predictive maintenance, pre-fault alarms, root cause analysis for field issues.
- Long term behavioral data about product can help to evolve the product. Less human involvement improve efficiency & quality.

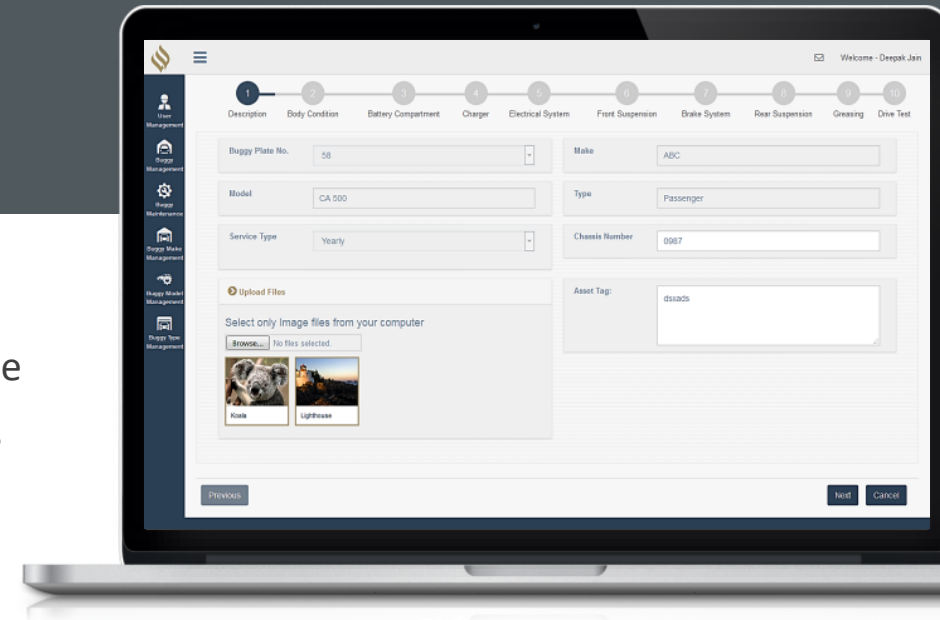


Jumeirah Vehicle Booking & Maintenance Platform

- Manage vehicles
- Manage users
- Manage vehicle stops
- View current vehicle location on map
- View vehicle occupancy status
- View booking status



- Create new booking
- Set vehicle maintenance schedule
- View vehicle maintenance status
- Manage job cards
- Get notifications
- Analytics and Reporting

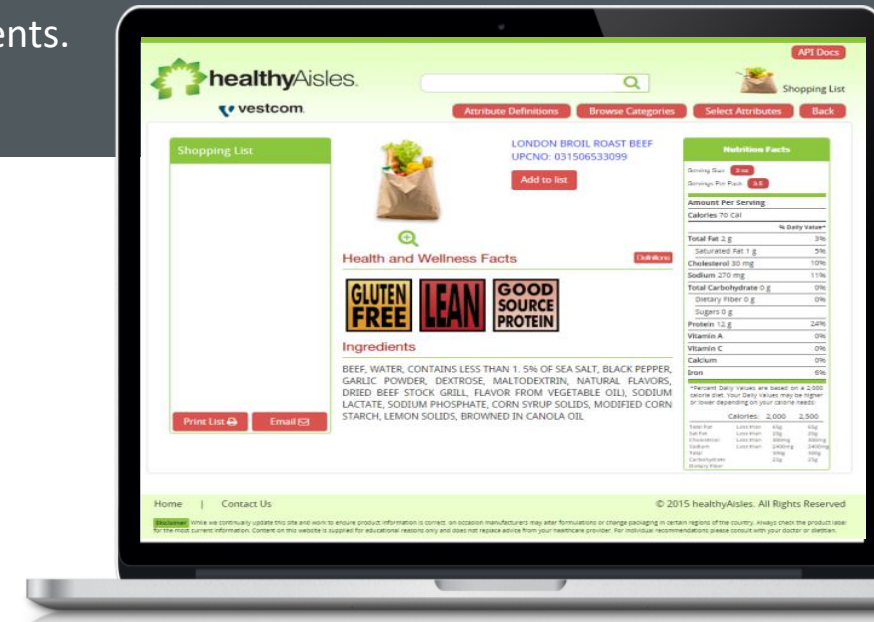


Health & Wellness Portal

- Maps attribute, nutrient values and ingredients with products.
- Find out what's inside the food you eat.
- View product categories and sub categories.
- Search for healthy products based on specific nutrients, attributes & ingredients.

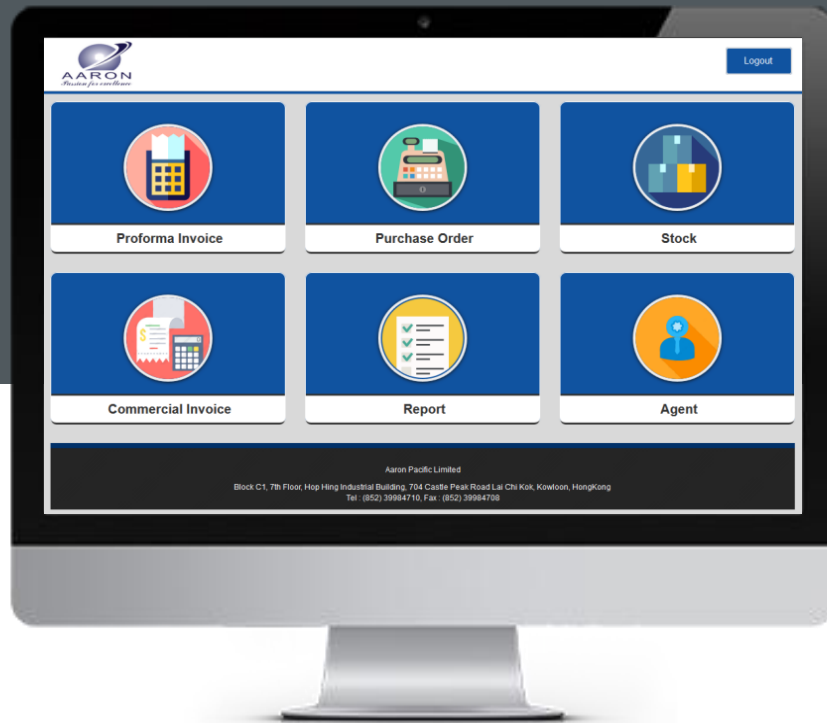


- ReST based API.
- Supports multi-tenant platform.
- Store based product listing.
- Build a shopping list.
- Email shopping list.

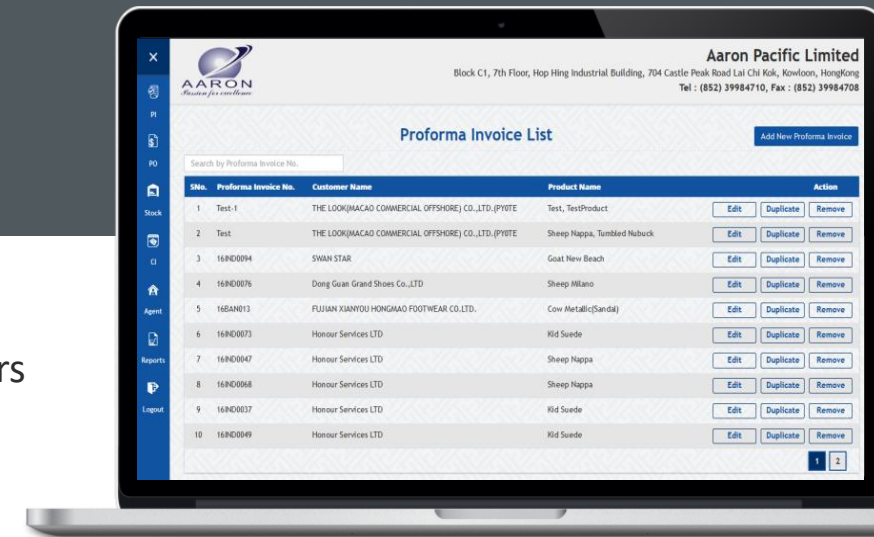


Invoice and Stock Management Portal

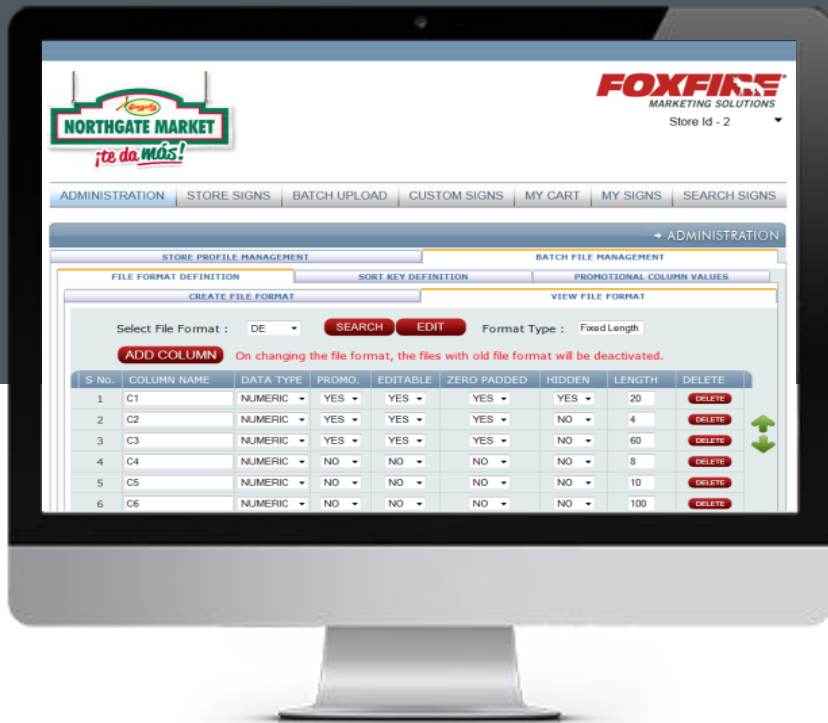
- Manage customers
- Manage customer orders
- Manage invoices
- Manage purchase orders
- Manage GRNs (stock)



- Manage agents associated with suppliers
- Manage customer commercial invoices
- View reports
- Create multiple purchase orders for supplier



Rapid Store Signs



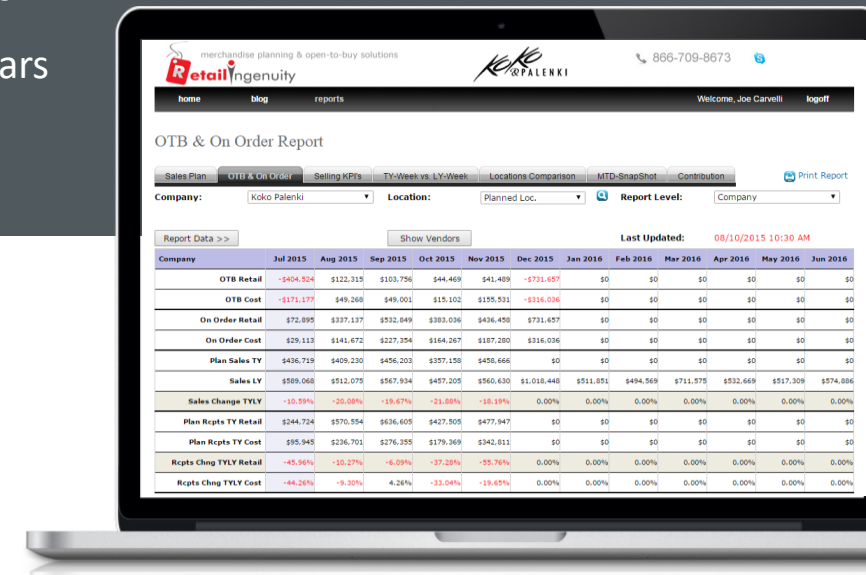
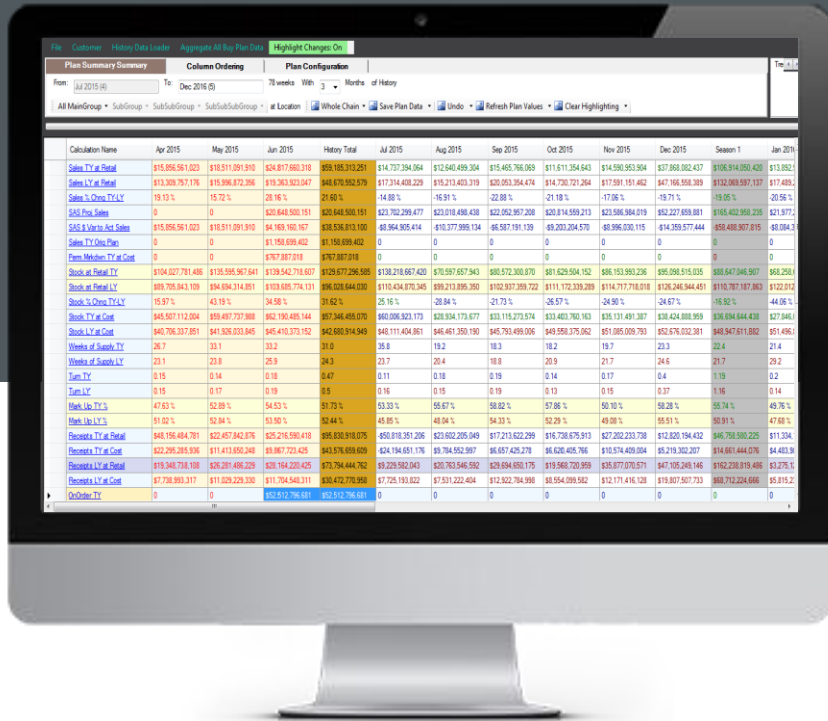
- Manage batch files for label processing.
- Upload batch files for label processing.
- Use custom signs to generate labels.
- Add label signs to cart.



- Submit an order for label generation.
- View order status with its details.
- View generated store signs PDF.
- Manage store profile.
- Search label signs.

Retail Forecasting Platform

- Enterprise grade multi-tenant retail forecasting platform
- Retail forecasting
- Maintain and manage multiple locations
- Plan your sales and orders for future years
- View historical data of sales and orders
- User roles and permissions
- SAS projections and planning
- Create and manage location groupings
- View analytical data in the form of graphs and charts
- Advanced reporting



Solutions and Products

Premier Case Studies!

iStatements – Interactive PDF Generation Platform



- iStatements is an intuitive interactive electronic statement, which provides highly personalized and enriched online experience to customers inside the PDF bills or statements received on emails.
- It is highly scalable and secured platform for automated generation of millions of interactive PDF, the iStatements.
- This is backed by a sophisticated platform that can be integrated easily with your existing billing/CRM/report generation systems. It auto generates interactive statements (iStatements) customized as per required branding.

iPublisher – Digital Content Publishing Platform



- iPublisher is a unique and user friendly mobile and web content publishing platform, which allows editor to creatively present niche content in very intuitive ways, through various unique templates. It offers the freedom to create interesting stories and publish them at all target platforms in real-time.
- iPublisher provides the power to beautify the content with interesting layouts and presentation templates for media and publishing industry by giving “News” a new flavor.

The people behind the success

Emorphis Team

Founder & CEO

Nilesh Maheshwari

Nilesh is a former Business Head of a Multinational Software Development company before starting Emorphis Technologies. Nilesh brings in over 24 years of experience in Software Design, Embedded systems development and Architecture consulting. Nilesh graduated with a Bachelor of Science degree in Electronics & Telecom engineering. He obtained a master of business administration in Operations Management and ePGM from IIM.



Meet The Team



Nikhil Patwardhan

Director - Technology



Nikhil is a former Architect & Software development professional of a Multinational Software Development company. Nikhil brings in over 17 years of experience in Software development and Architecture consulting. Nikhil is Post Graduate with a Masters of Computer Application.

Meet The Team

Farhat Ali

Mentor & Advisor

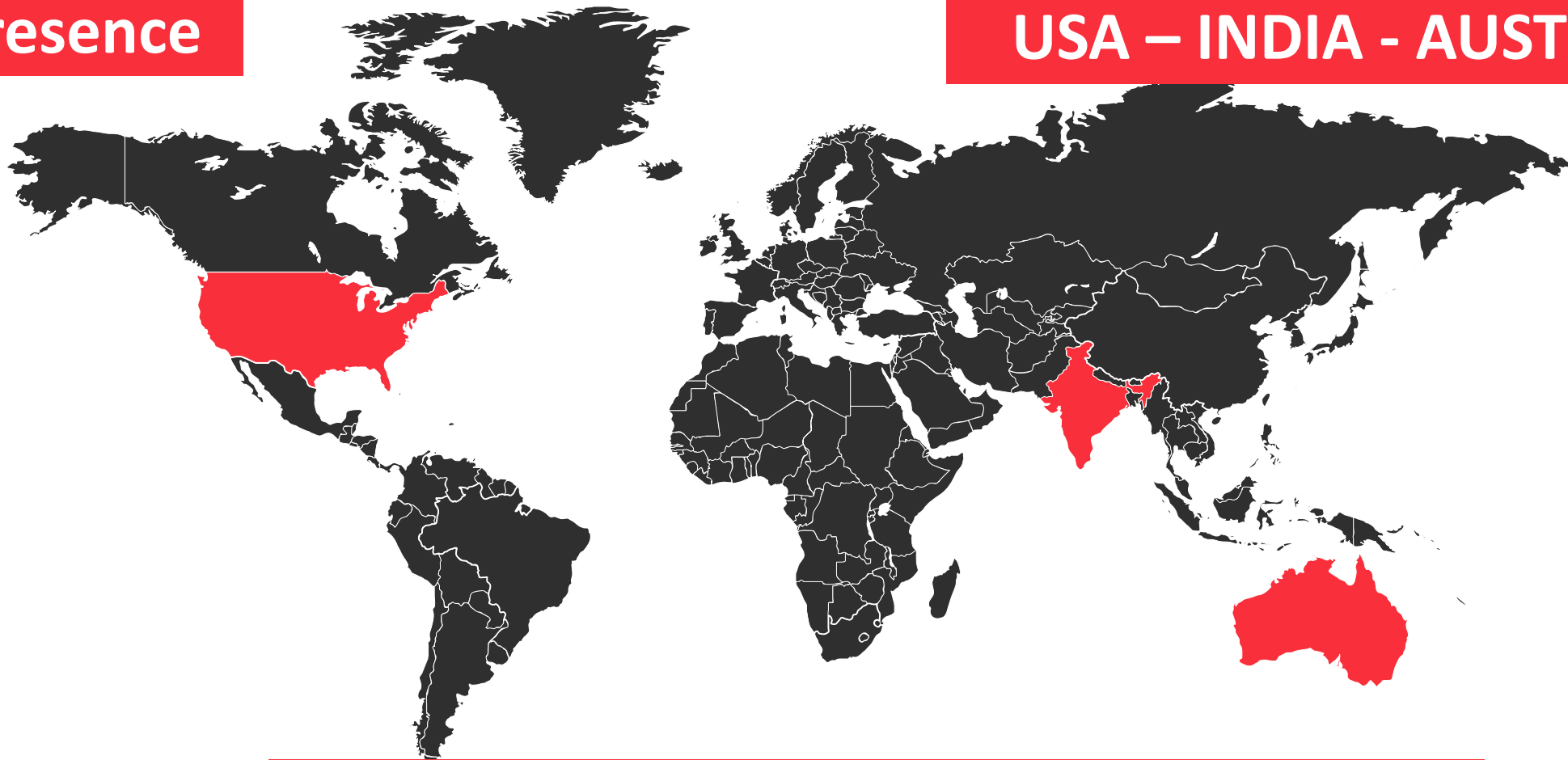


Farhat Ali is a former president & CEO of Fujitsu America. Farhat Ali is TiE Charter Member, founder and advisor of multiple startups, and founding member of CTO Forum. Farhat graduated summa cum laude from Princeton University with a Bachelor of Science degree in electrical engineering and computer science. He obtained a master of business administration from Harvard Business School.



Our Presence

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Thank You

Team Emorphis