# Option Matrix

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Option Matrix is a digital transformation organization with offices in Canada and India. Since our inception in 2002, we have served business leaders in over 210+ projects in 9+ countries. Our core strength is business requirement translation and intuitive user experience.

## Industries

- Logistics
- Construction
- Mining
- Manufacturing
- Medical Diagnostics
- Real Estate
- Hospitality
- Land Surveyors

## Solutions

- Audit Automation
- Field to office
- CRM
- Clinical Scheduling
- Purchase Automation
- Online Food ordering
- Advanced Neurogenetic Analyzing system

## Technologies

PHP

Java

Node Js

MySQL

Android

Angular 7

.NET

Apple IOS

Bootstrap

# Logistics

In the recent years, Option Matrix has worked to build quite a number of frameworks for the transportation and logistics industry.

One of our key solutions is the automated driver recruitment system, which covers the entire recruitment lifecycle including automated postings on all the job boards, driver background verification, reference checks, call recordings and on-boarding.

Another interesting framework that the team is developing is a web & mobile solution which automates supply chain operations in the logistics industry. This application's key features are Geo fencing for on route vehicles, vehicle leasing portal for vendors, need based carrier assignment for customers and an Admin dashboard for statistical analytics. This framework enables 5 types of users i.e., Admins, Customers, Vendors, Drivers and Staff (both office and field staff)

The frameworks we provide in this industry are a especially good fit for Truck Transportation companies since we already have a 60-80% starting point.

## Case Study

The application automated the workflow for order logging, tracking and fulfillment related to import and export across the US border. There are a wide range of automated checks like prohibited items and blocked lists. Automated document and contract generation is implemented. Integration with FEDEX, DHL and UPS was provided.

# Construction

In the construction industry, we focus mostly on general contractors, builders and real estate agents.

Our team has extensive expertise in purchase & stores, inventory management, maintenance management of heavy equipment & vehicles, project estimation, field safety audits and field to office reporting.

We have key strengths in Field to office reporting and interactive estimation with automated document generation.

## Case Study

A general contractor and construction management company in the USA has a project based business with project managers, safety inspectors and site supervisors associated to each project.
Our team developed an android app with provisions to submit field updates including site images both in an offline and cloud sync modes.

# Mining

The key driver of operating costs are accurate project estimation based on lead / lift and strip ratio, diesel consumption, operating performance, equipment performance, maintenance cost, project schedule, labour cost, drilling / blasting cost and real time project analysis.

Frameworks we built for the mining industry are Purchase order management, Inventory management, Capital finance, Material Management, Project Monitoring, Process Monitoring, Fleet Maintenance, Fleet Financing, Report Syndication, Safety Audit system and dashboards.

## Case Study

Growing from 3 to 15 projects made the client's organisation's management to explore for ERP Solutions. Visibility, Transparency & Planning of the procurement process for purchasing right spares as per huge requirement and fleet management was next to impossible managing manually at this scale (15 projects). There was a need of hour for effectively managing procurement activities.

# Manufacturing

Our experience in the manufacturing industry is focused on safety audit, purchase, store management, quality process, process audit, report syndication, production planning, sales force automation, service connect, and warehouse module.

## Case Study

Sales and Distribution solution that manages customer orders, order fulfilment, invoicing and stock transfer. This project was done for an auto component manufacturer tied to an OEM vehicle manufacturer. Inventory control and quality inspection feedback in terms of lot acceptance statistics were the most important features in the application.

# Medical Diagnostics

Our main focus in diagnostics has been two fold i.e.
- Appointment scheduling in real-time scenario and managing medical reports and billing information.
- Advanced Nutrigenetic diagnostic algorithm for providing personalised nutrient targets based on ones unique genetic makeup and other health parameters.

The team has done projects mainly in the USA in compliance with HIPPA and HL7 standards. We focus on maintaining a secure platform with strict regulations on data security.
We worked further on solutions for patient scheduling, EMR and telemedicine.

## Case Study

This solution covers multiple locations for a single chain of hospitals and provides an intuitive dynamic calendar covering constraints of resources, physician availability and specialties across locations in real time. Dynamic calendar is provided and patients have a mobile app on both iOS and Android platforms to manage their appointment calendar as well as track the dynamic count down for appointments.

# Solutions

# Field Automation

## Key Features

- Create Checklists
- Record Tasks
- Record Images
- Manage Clients
- View Analytics

## Overview

Our framework provides an integrated solution to create schedule & record job orders and track updates from field along with consumption of spares and task completion. It is an integrated solution to assign activities to the team, schedule & record activities, submit expense claims and track discrepancies to closure. The administration panel is web based and the staff on the field uses an Android App linked to the centralized database.

# Audit Automation

## Key Features

- Record Audits
- Track Tickets
- Download Summary Reports
- Offline Mode
- Get RCA Reports
- View Analytics

## Overview

The application has dynamic checklists, real-time reporting and analytics, timely notifications of schedules & deadlines, easy tracking and escalation of non-compliances through reminders & alerts. Auditors can see the assigned audits on an Android mobile app to log audits and report non-compliance. Ticket system is provided to close the loop for non-compliant audit findings.

# Project Management

## Key Features

- Manage Quotes/ Projects
- Schedule Actions
- Plan & Manage Budget
- Timesheet Management
- Expense Management
- View Analytics

## Overview

Our solution is for service providers who do field jobs and need to plan project tasks and actions. These tasks may be done in the office or in the field. Assets and manpower can be assigned on daily basis to tasks and scheduled effectively. Leave and timesheet modules are provided. General construction contractors, job contractors, land surveyors and road repair contractors are the target segment for this framework. Field activity automation integrates seamlessly with this solution.

# Sales Global

## Key Features

- Manage
- Campaigns
- Track Prospects
- Schedule Meetings
- Save Products
- View Analytics

## Case Study

CRM solutions increase your profitability by streamlining administrative processes in your sales, marketing, and service divisions, and letting you focus on building and maintaining the customer relationships that matter. A strong CRM solution is a multifaceted platform where everything crucial to developing, improving, and retaining your customer relationships is stored. Without the support of an integrated CRM solution, you may miss growth opportunities and lose revenue because you're not optimizing your operating processes or making the most of your customer relationships or sales leads.

# Our Recent Projects

| # | Industry | Frameworks | Description | Country |
|---|----------|-----------|-------------|---------|
| 1 | Construction | Field to office collaboration | Our solution provides an android app to submit field updates including site images with support for both offline mode as well as sync to web database. | USA |
| 2 | Construction | Estimation & field monitoring | The system supports both online and offline modes of operation with local data storage on storage on an android device. The web database aggregates all pictures and estimates to create formatted bids that are emailed to clients for approval. | USA |
| 3 | Real Estate | Online marketplace | Site has a subscription and advertising revenue plan. Sellers can list, buyers can find. Site owner gets a control panel to track site activity. | USA |
| 4 | Real estate | Real estate photography | Application purpose and function is to setup projects and associate each property to a real estate agent. The application has automated modules to format, package, deliver, and host digital media for real estate photographers. | USA |
| 5 | Real estate | Real estate listing portal | The key sources of differentiation and preference is comprehensive listings, convenient map based search and the friendly affiliate program. | USA |
| 6 | Medical Diagnostics | EMR Module | The solution provides an integrated online platform for storage of patient medical records. | USA |
| 7 | Healthcare | Insurance reporting system | This system facilitates statutory reporting and provides a cloud based interface to ingest payroll as well as health insurance plan details for company employees to generate statutory reports that are electronically filed to government authorities. | USA |
| 8 | Medical Diagnostics | Integrated appointment scheduling | This solution covers multiple locations for a single chain of hospitals and provides an intuitive dynamic calendar covering constraints of resources, physician availability and specialties across locations in real time. | Australia |
| 9 | Medical Diagnostics | Patient survey research | Survey builder as well as the analytics module is provided for decision support in hospital administration. | Canada |
| 10 | Dental Healthcare | Dental practice management | This project is a private application for dental surgery practice to fulfil the requirement for the servicing the referrals from colleagues and enable sharing of case records as required. | Canada |
| 11 | Medical Diagnostics | Hospital data management | The objective of the project is to develop an application to manage the data related to the patient and handle multiple departments in different modules for effective hospital management. | UK |

| # | Industry | Frameworks | Description | Country |
|---|----------|-----------|-------------|---------|
| 12 | Financial services | Management portal | Financial management planning application provides financial performance measurement based on financial results for better financial management. | UK |
| 13 | Financial Services | Audit algorithm | The solution audits the interest and principal repayments to identify incorrect calculations and generates a report that the customer can utilize to claim a refund from the financial institution. | UK |
| 14 | Financial Services | Bad debt analysis and prediction | This project is for commercial bank credit risk management. It encapsulates intelligent algorithms to do a predictive analysis of credit award and repayment schedules to arrive at potential bad debt risks. | UK |
| 15 | Financial Services | Financial management system | The Financial X-RAY allows businesses to measure financial performance, including total capital invested, working capital investment, movement in capital, funding of capital, return on capital employed and economic value creation. | UK |
| 16 | Pharma | Material management solution | Warehouse and Inventory Control application enables full-fledged management of material including inflow, outflow and storage locations. | India |
| 17 | Pharma | Pharma Outbound logistics module | Fleet Management solution enables monitoring the movement of vehicles, tracks revenue and expense for each vehicle and provides a preventive maintenance schedule tracking facility. | India |
| 18 | Manufacturing | Sales automation | App provides a back office interface for sales process automation, inventory control as well as interactive dashboard reporting tool. | India |
| 19 | Manufacturing | Maintenance planning solution | Maintenance Management framework covers corrective, preventive and predictive maintenance modules with alerts, notifications, equipment schedules, work orders and equipment availability reports. | India |
| 20 | Manufacturing | Material management solution | Warehouse and Inventory Control application enables full-fledged management of material including inflow, outflow and storage locations. Role based workflow is implemented to submit and approve issue and receipt of material. Stock reconciliation is further facilitated by RFID and bar coding. | USA |