

## Challenges

- ▶ **25 branches**
- ▶ **~ INR 30K Cr Turnover**
- ▶ **50+ modules, partially automated**
- ▶ **Nation wide partner network of sellers and vendors, and warehouses**
- ▶ **Lack of seamless integration across the trading partners**
- ▶ **Organization control and monitoring challenges**

## Scope of Work

- ▶ Study existing tech landscape and provide a gap analysis including BPR, project governance model, infrastructure and cybersecurity recommendations, project sizing, technology innovation to build efficiency, and efficacy of services across the entire partner network

## Consulting Services

- ▶ Conducted a thorough study of legacy system and also manual practices
- ▶ Prepared a Gap Analysis Document of existing and the future vision
- ▶ Studied the data volumes, traffic, concurrency, usage and other metrics
- ▶ Prepared a comprehensive capacity planning document including recommendations for tech stack for both hardware and software
- ▶ Provided recommendations on project governance, and way forward
- ▶ On the BPR front proposed innovative solutions
  - ▶ Allow tracking of each and every drop of liquor and bottle from production to sale
  - ▶ Create a faceless and automated workflow for license issues and renewals
  - ▶ Proposed handheld devices that enable label scanning and tracking of commodities
  - ▶ Proposed automated compliance and audit management for the entire organization
  - ▶ Proposed a paperless environment enabled by dashboards and analytics that enable organization to make effective decisions and also curtail malpractices.

## Challenges

- ▶ **Monolithic legacy system**
- ▶ **No documentation available**
- ▶ **No real-time control over the transactions**
- ▶ **Integration with other departments absent**
- ▶ **No visibility to real-time operations**
- ▶ **No real-time collaboration system**
- ▶ **Not a workflow driven system & document management System**
- ▶ **Massive Data – integrity problems**

## Scope of Work

- ▶ Prepare an application modernization roadmap including the design, architecture, and transformation model and also propose a project governance model for expediting the change management followed up by transition management from legacy a modernized application without impacting BAU, while not discarding legacy code entirely

## Consulting Services

- ▶ Recommended and implemented an automated project governance system comprising several opens source tools that enable control, and monitoring the development process
- ▶ Prepared documents that show patterns in data related issued
- ▶ Prepared comprehensive technical documentation for legacy system that enable developers to understand the content and substance of each and every piece of code
- ▶ Proposed a transition model based on Strangler fig pattern for application modernization and transition
- ▶ Proposed Façade pattern that ensures that legacy code is reused but, additional layers are built on top of it to support more sophisticated functions
- ▶ Studied the organization functioning across 144 departments, the MoPs of each department and provided a solution for a pluggable, flexible and robust workflow management that supports every possible scenario for each department
- ▶ Designed a Document management system that can be used to generate documents dynamically using user defined templates, thus, giving the ability to the end user to manage documents without dependency on programmers for changes in document content and data
- ▶ Proposed a model for upgrading .NET 3.0 to .NET core and ascertained that the objectives are met.
- ▶ Designed a Dashboard and Organogram for the complex structure of state machinery.

## Challenges

- ▶ **Client is a reputed Bank having presence pan india, 25000 offices and 97 lakh customers with an asset of about 3.5 lakh crores**
- ▶ **Client DMS is outdated and sans vendor support**
- ▶ **Performance bottlenecks**
- ▶ **Lack of cloud enablement**
- ▶ **55 applications, 150000 users, and about 1 billion documents are managed by legacy DMS.**

## Scope of Work

- ▶ Study the existing system and prepare feature functionality of target system and also propose a transition model considering the fact that the legacy data is encrypted and that the bank cannot afford downtime while migrating the legacy DMS to target system integrating into 55 applications'

## Consulting Services

- ▶ Studied the feature functionality of existing system and provided recommendations of good to have functional enhancements that add value to business
- ▶ Proposed S3 Bucket as a document storage and for cloud enablement
- ▶ Prepared an architecture of the target system that would retain the legacy functionality as well as enhancements
- ▶ Prepared a data extraction pipeline design considering the fact the legacy system documents are encrypted and there is not documentation of the encryption technology except that the APIs for extracting the existing documents are available
- ▶ Designed an interim system that enables the user to control, monitor the extraction of documents and meta data from legacy to the target system as well as verify thoroughly the correctness of the migration
- ▶ Designed a Façade layer that interfaces with the legacy DMS and the target DMS which shall enable transition from old DMS to new DMS for each of the 55 external applications in multiple stages, while ensuring suitable fail safe mechanism build into it, so as to enable a seamless transition without requiring code changes in the external applications, nor impact business as usual
- ▶ Proposed a governance model and a vendor-client collaboration mechanism that enables successful execution of the digital transformation engagement.