

## SUCCESS STORY



## SELECTION TO LAUNCH DRUG LIFECYCLE APP

### PROJECT OVERVIEW

The client was searching for a strategic implementation partner who could quicken the process of its digital transformation. Indium was assigned to digitise the client's core production activities from product ideation to launch, improve operational efficiency, and assist in the swift introduction of new products to the market as a top provider of digital engineering services and a global Mendix Services leader.

### CLIENT DOMAIN

Healthcare

### SOLUTION DELIVERED

Low Code Development

### KEY HIGHLIGHTS

- 30% reduction in drug launch time owing to enhanced visibility into the product development life cycle
- 4x faster app delivery with Indium's reusable components and Mendix, as compared to traditional methods
- Built the digital foundation to augment the core of every aspect of pharma value chain

## ABOUT CLIENT

The client is a leading multinational pharmaceutical company that serves over half a billion patients worldwide today and aims to triple that by 2030. With a focus on major therapeutic areas, they offer a vast portfolio of products and services including 190 medications, 60 active pharmaceutical ingredients (APIs), custom pharmaceutical services, generics, biosimilars, diagnostic kits, critical care, biotechnology products among others. They are a key player in manufacturing a prominent covid-19 vaccine

## BUSINESS REQUIREMENTS

- Build a pervasive cross-functional interface that would digitize and transform the Selection to Launch (S2L) process through delightful user experience, enhanced visibility, and provisions to foster cross-functional collaboration
- Create specific reports, Gantt charts and dashboards for each product
- Setup digital alerts & notifications to intimate the user about their tasks. Enable the dashboard to perform advanced analytics using digitized system of record

## SOLUTION HIGHLIGHTS

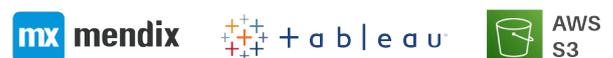
- Indium assisted the customer in agile development of a Single Digital interface utilizing the Mendix low-code platform by combining the views of the organization's employees and the existing process-level inefficiency and built an interlocking application connecting the entire product life cycle
- A product's life cycle typically has 4 phases: Discovery, Development, Manufacturing / Production, and Distribution. The selection to launch application helped the client in the following ways in each of the phases
  - **Discovery** – Provides a comprehensive single perspective for finding and analyzing the target molecule by having visibility into the outcomes of biological procedures and computational studies
  - **Development** – Helps in tracking the formulation of the viable product in terms of the product composition, shelf life, dosage optimization, and other factors

- **Production** – Monitors and controls factors like adherence to government guidelines, usage of raw materials, blending of various components, storage conditions, etc.
- **Distribution** – Ensures correct packaging in accordance with standards, delivery of items to the distribution center, and so on
- Dashboards in the form of Gantt charts were built from a user perspective by integrating the app with JavaScript library. Key features in the dashboard include Visibility into the Projects statuses, Milestones of the projects - which are on track & which are on overdue, adherence to project timeline, people working on the project, individual task/milestone statuses, in-app communication, escalation feature, uploading and viewing of relevant documents, etc.
- Email Notifications were added to alert the user about their tasks and each stage of the product life cycle, using the Email Templates Module from the Mendix App Store.
- The built app captures huge volume of product data. To make useful business decision, Indium built the interface that will facilitate the exporting of data from Mendix platform to Tableau and enable visualization of various types of dashboards for each product.

## BUSINESS IMPACT

- The flexibility and scalability of the Mendix Platform, which provided better visibility into the active drug development processes, resulted in a 30% decrease in drug launch time
- Application delivery time was cut by at least half with Indium's reusable components and Mendix
- Built the foundation for advanced analytics through digitized system of record
- Enabled client to re-imagine their whole process as a digital native

## TECH STACK



# ABOUT INDIUM

Indium Software is a fast-growing Digital Engineering company, focused on building modern solutions across Applications, Data, and Gaming for its clients. With deep expertise in next-gen offerings combining data and applications, Indium offers a wide range of services including Product Engineering, Low-Code development, Data Engineering, Ai/ML, Digital Assurance, and end-to-end Gaming services.



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