

Transformative Web App Solution for Enhanced Analytical Chemistry and Lab Operations

Empowering lab technicians with a powerful web app to streamline operations and higher greater productivity



With chromatography at the heart of their operations, the client innovates products that are used across clinical testing, environmental safety, drug discovery and development, food safety as well as vaccine research.

Challenges

Catering to industrial, government, and academic laboratories, the client aimed to streamline operations. They used the legacy desktop application to simplify the daily tasks of their lab tech technicians.

Lack of technical support and absence of a code base for their Visual Basic 6 (VB6) based platform

Navigating through a vast volume of over two million product data records during searches

An outdated interface significantly hampering the team's overall productivity

Collaboration

Leveraging their existing legacy desktop application as a foundation, we opted to design and implement a new web app which worked seamless with the on-premise data base.

Implemented

Web app using Power Apps to streamline crucial processes for meticulous preparation, separation, post-analysis procedures

Integrated

Barcode scanner to scan packed material as per volume, size requirements to ensure faster packaging processes

Designed

A Power Apps Platform no-code low-code approach to ensure accessibility and user-friendly navigation

Ensured

Robust security by leveraging Azure AD to deliver user verification and multi-factor authentication capabilities for access

Built

A seamless integration with other business software like Chromeleon and AX system

Business Value



Streamlined

Material packaging process with the barcode scanner implementation



Boosted

Productivity by automating and streamlining interface



Simplified

And faster maintenance with reduced downtime bolstering overall system reliability

Technology Stack

Power Platform | Azure Integrations | Azure DevOps

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