



Transforming Pharmaceutical Content Extraction Through Intelligent Automation for a Global Leader

SUCCESS STORY

Client Overview

A leading multi-national pharmaceutical manufacturer sought to streamline the extraction of critical data from product certification documents, often from various laboratories in non-standard formats.

Tackling Complexity and Inaccuracy in Data Extraction

The client faced significant roadblocks in managing the Certificate of Completion for pharmaceutical products. These certificates were delivered in PDF format from multiple sources, but a lack of standardization posed major challenges:

Complex PDF Formats: Each laboratory used different formats, making it difficult to automate content extraction.

Manual Extraction Bottlenecks: The existing manual process was not only slow but also prone to errors, leading to data mismatches, delays, and compromised accuracy.



Indium's Intelligent Automation: A Game-Changer in AI-Powered Data Extraction

Indium came up with a custom AI-based intelligent automation solution utilizing AWS Textract and Mendix:

- ▶ **Automated AI Models:** Leveraging AWS Textract, Indium built a robust model capable of extracting and analyzing complex data from the certification documents.
- ▶ **Orchestration and Review:** Indium employed Mendix to orchestrate data flow, enabling users to review, approve, or correct extracted data in real time, ensuring greater control over the output.
- ▶ **Fast-Track Processing:** With the integration of AI, the extraction process saw an increase in accuracy to > 90%, drastically reducing errors and speeding up the entire workflow.

The background of the slide is an abstract digital-themed image. It features a hand on the left side, reaching out towards the center. The background is filled with numerous out-of-focus light points (bokeh) in shades of blue, yellow, and orange. There are also some glowing, wavy lines that suggest data flow or digital connections.

Indium Delivers: Speed, Accuracy, and Full Digital Transformation

Indium's solution led to profound business improvements for the client:

- ▶ **4X Faster Extraction:** The speed of data extraction quadrupled, significantly reducing the time-to-process certificates.
- ▶ **90% Accuracy Rate:** The new system remarkably improved accuracy, reducing the need for manual intervention and error correction.
- ▶ **End-to-End Digitization:** The manual extraction process was fully digitized, enabling seamless scalability to new formats as the business grew.