



Automating Legal Document Generation with AI-Powered OCR

Challenge

A law firm specializing in commercial and corporate law faced mounting inefficiencies in managing its high volume of contracts and legal documents.

The traditional process of generating, reviewing, and storing documents was manual, time-consuming, and prone to human error. Attorneys and staff were burdened with repetitive tasks such as data entry and document formatting, limiting their ability to focus on higher-value legal work.

As client demands increased, the firm struggled to process documents quickly and accurately, resulting in slower turnaround times and higher operational costs.

Solution

INSPIR Solutions partnered with the firm to design and implement an AI-

powered optical character recognition (OCR) solution leveraging Microsoft Azure AI Vision. The solution was developed in three phases:

- **Assessment and Planning:**
Our experts conducted a comprehensive analysis of the types of contracts and legal documents handled by the firm and identified areas where automation could provide the greatest value, focusing on document generation and data extraction.
- **Implementation of OCR Solution:**
 - Data Extraction with Azure Vision: INSPIR Solutions used OCR capabilities to extract key details such as client information, contract terms, and legal clauses from multiple document formats like PDF, Word, and TIFF.

Azure Vision's OCR capabilities ensured high precision in data extraction, removing human error from the equation.



- **Automated Document Generation:** Our team built a system to generate contracts and legal documents automatically from predefined templates and extracted data and seamlessly integrated this solution into the firm's document management systems.
- **Training and Deployment:** The INSPYR Solutions experts provided workshops and training modules for attorneys and staff followed by staged deployment to ensure a smooth transition and incorporate user feedback.
- **Accuracy:** Azure Vision's OCR capabilities ensured high precision in data extraction, removing human error from the equation.
- **Speed:** The solution dramatically reduced document generation and processing times, enabling the firm to meet client demands faster.
- **Cost Reduction:** Automation lowered operational costs previously tied to manual document processing.

Outcome

The AI-driven OCR system delivered measurable improvements across the board:

- **Productivity:** Automating contract and document creation significantly reduced time attorneys and staff spent on repetitive tasks.

Client Profile

The client is an international law firm specializing in commercial and corporate law.

Technologies Supported

Automated document generation, Microsoft Azure AI Vision, optical character recognition (OCR)

About INSPYR Solutions

Technology is our focus and quality is our commitment. As a leading expert in delivering flexible technology and talent solutions, we strategically align industry and technical expertise with our clients' business objectives and cultural needs. Our tailored offerings include a wide variety of professional services, project solutions, managed services, and talent resources, all bolstered by our strategic partnerships with cutting-edge technology services. By always striving for excellence and focusing on the human aspect of our business, we work seamlessly with our talent and clients to match the right solutions to the right opportunities. Learn more about us at www.inspyrsolutions.com.