

How a Big Four Accounting Firm Reduced Review Time of Lease Agreements by 80%

SemanticPro Extract & Analyze Case Study



The Challenge

Due to changes in both international and US regulations (the new IFRS 16 and ASC 842 lease accounting standards), the company needed to help its customers disclose all leases on the balance sheet.

But the company's customers—mostly large enterprises—have thousands of lease agreements, which must be scoured for relevant information. The task was difficult to automate because lease agreements are not standardized and because the same type of information can be expressed using many different terms, causing poor results from keyword-based systems.

Company Profile

Major Audit and Management Consulting Company

The Goal

Speed up the review process by automating the extraction of information from lease agreements with a fast, reliable solution

The Solution

SemanticPro Extract & Analyze

The Cortical.io Solution

SemanticPro Extract & Analyze was seamlessly integrated into the accounting firm's contract-processing workflow. Extraction models were quickly trained by the company's subject matter experts annotating as few as 50 sample lease agreements

The solution automatically extracted and classified relevant information from the lease agreements quickly and at a precision level that was difficult to achieve at scale with manual labor. The solution also gave subject matter experts full control over improving the extraction process by verifying, correcting, and adding extraction targets.

The Cortical.io Impact

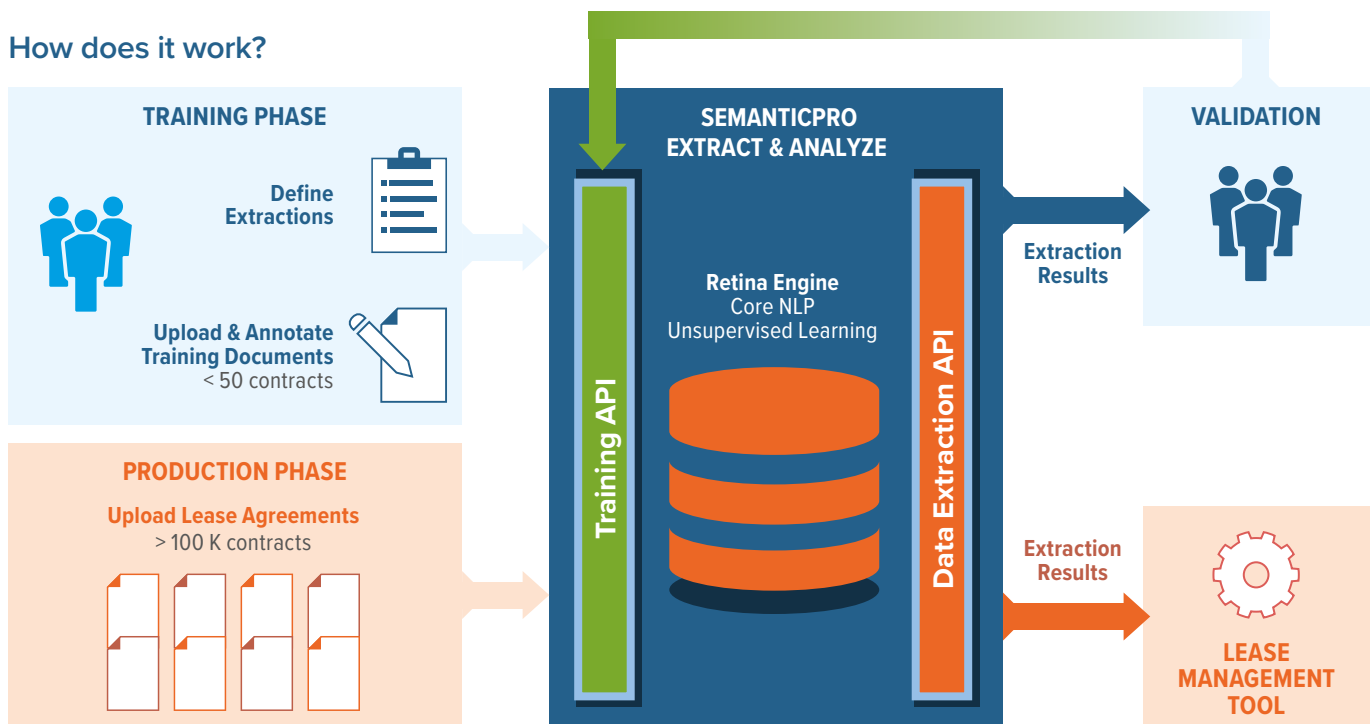
The implementation of SemanticPro Extract & Analyze enabled the firm to reduce manual review and data extraction time by 80%, generating a significant reduction in costs. The Cortical.io solution was able to quickly provision accurate data from high volumes of leases, assisting subject matter experts in preparation of clients' balance sheets. As a result, expensive human resources can now focus on more business-critical tasks.

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By using SemanticPro Extract & Analyze, the company was able to automatically:

- Handle scanned lease agreements that have undergone optical character recognition (OCR)
- Extract precise key data, such as amounts, dates, and addresses
- Extract defined types of clauses and classify clauses and agreements accordingly
- Infer information not explicitly stated from the presence of other pieces of data
- Feed all extracted information into the firm's lease-management tool, enabling that tool to:
 - Instantly fill a summary sheet with data for each agreement
 - Display each summary sheet beside the corresponding agreement for quick review by a subject matter expert
 - Highlight the extracted information in the displayed agreement

How does it work?



For more information about this case study and Cortical.io solutions, visit www.cortical.io or email info@cortical.io