

## **AI's expanding role in Procurement: Addressing persistent gaps in Contract Lifecycle Management**

Procurement organizations operate in environments where decisions have material financial and operational consequences. Yet many teams continue to face a persistent blind spot: critical information buried inside thousands of supplier agreements, addenda, and compliance documents. As contract portfolios grow in complexity, practitioners struggle to keep pace, often missing cost-saving opportunities, hidden risks, or subtle deviations from established standards.

Advances in AI - particularly generative AI and emerging agent-based automation - are reshaping this landscape. Beyond accelerating routine tasks, these technologies are beginning to influence strategic activities such as category management, supplier collaboration, and negotiation preparation. Increasingly, they are also being deployed to enhance contract lifecycle management (CLM), an area that remains highly manual despite significant investment in enterprise CLM systems.

### **CLM Systems still leave a gap**

Over the past decade, CLM platforms have matured into strong systems of record. According to Gartner's recent analyses, leading platforms excel at repository management, workflow orchestration, template administration, obligation tracking, and integration with sourcing and procurement suites. They are optimized to ensure compliance, enforce process controls, and provide transparency across the contract lifecycle.

However, several structural gaps continue to limit their effectiveness in day-to-day procurement operations:

#### **1. Limited Depth in Contract Review and Legal Analysis**

Most CLM tools offer rule-based clause detection or comparison against approved templates, but they often fall short in evaluating nuanced deviations, identifying contextual risks, or interpreting legal language with the precision required during negotiations.

#### **2. Challenges in Redlining and Drafting**

Platform-native redlining features generally succeed at markup and version control, yet they do not generate high-quality revisions or suggest alternative clauses tailored to the business context. Procurement teams still rely heavily on attorneys/legal professionals or manual effort to prepare drafts and counterproposals.

#### **3. Fragmented Cross-Document Intelligence**

CLM platforms are not optimized for analyzing large volumes of historical agreements. Mining prior negotiations, understanding supplier-specific risk patterns, or identifying recurring compliance gaps typically requires manual review or separate analytics tools.

#### **4. Low Flexibility in Handling Unstructured or Multi-Format Inputs**

Procurement teams regularly receive documents in varied formats—PDFs, scans, emails, handwritten notes—but many CLM systems require structured inputs or clean text, limiting their ability to process real-world contracting materials efficiently.

These gaps create an opportunity for AI-driven capabilities that operate alongside existing CLM platforms rather than replacing them.

### **How AI is filling the CLM Gap**

A leading Fortune 500 home appliance manufacturer recently demonstrated how generative AI can strengthen contract lifecycle processes. The organization manages over 100,000 active supplier contracts across multiple geographies. Despite a well-established CLM infrastructure, contract review and drafting activities required significant practitioner effort. Ensuring consistent interpretation of terms, maintaining compliance, and identifying subtle risk exposures proved labor-intensive.

To address these challenges, the company deployed AI in two key areas:

#### **1. Knowledge Management for faster Contract Creation**

Large-scale analysis of historical agreements enabled the AI system to generate concise summaries of supplier-specific contracting patterns. Procurement teams could quickly understand how similar terms were negotiated in the past, how deviations were handled, and what risk positions were typically accepted. This intelligence significantly accelerated contract creation and reduced dependency on legal resources.

#### **2. Document Analysis for Enhanced Contract Review**

AI was used to analyze incoming or renewed contracts, highlighting non-compliant clauses, recommending safer alternatives, and pinpointing hidden risks often buried in ambiguous language. These capabilities complemented the CLM platform's workflow and repository features.

Importantly, the AI integrated directly with the organization's existing CLM interface, allowing buyers to review AI-generated redlines, accept or reject suggestions, and collaborate with legal teams—all without switching systems.

The outcome was substantial: a reduction of more than 40 percent in contract review time in one region, improved consistency in risk assessment, and stronger compliance adherence across categories. The measurable ROI from procurement prompted the organization to expand generative AI initiatives into adjacent functions such as warranty processing, service operations, and customer interaction management.

### **The Broader Market – Shift: CLM + AI equals The Next Procurement Operating Model**

What this case—and the broader CLM market—demonstrates is a clear trend: procurement organizations increasingly require AI capabilities that complement, rather than duplicate, traditional CLM functionality.

Generative AI-enabled tools, including emerging platforms such as DocufAI ([GCP Marketplace](#)), are positioning themselves to address the exact shortcomings Gartner identifies in leading CLM systems:

- Deep semantic understanding of contractual language
- Contextual redlining and clause rewriting
- Automated drafting and negotiation support
- Cross-document intelligence powered by machine learning
- Ability to ingest and interpret unstructured document formats
- Seamless plug-in integration with existing CLM systems

These capabilities convert static CLM repositories into dynamic, insight-rich environments where procurement teams can negotiate more effectively, manage risks proactively, and operate with greater speed. Additionally, Cloud-native document AI tools provide strong extraction primitives, but bolstering CLM capabilities requires a higher-order intelligence layer. DocufAI fills this gap by operationalizing extracted data into contract review, drafting, risk identification, and portfolio-level intelligence—capabilities that CLM users need but cloud platforms do not natively deliver.

Capability / Metric	DocufAI	Google Cloud Document AI	AWS Textract	Azure AI Document Intelligence
Core Focus	Enterprise document intelligence + semantic insights + automated drafting & decisioning	Structured data extraction, OCR + custom models	OCR + structured field extraction	OCR + NLP + structured extraction
Generative AI / Semantic Understanding	Native support for semantic search, insights, summaries, and automated reasoning <i>powered by GenAI</i>	Limited to extraction and classification; no built-in semantic summarization	Basic OCR/output; semantic understanding requires extra services	Strong NLP options but generally external to extraction pipelines
Unstructured and Contextual Insight	Designed to surface insights, flag risks, and support knowledge discovery across functions	Limited; primarily extraction with schema outputs	Focused on key fields and tables; no contextual reasoning	Strong layout & entity extraction with NLP enrichment
Automated Actions / Workflow Triggers	Built-in agentic AI capabilities to trigger workflows, draft, alerts, and actions based on document insights	No native automated decisioning; requires external orchestration	No workflow automation	Workflow automation possible via Azure Logic/Power Automate
Multi-Function Scalability	Enterprise-wide across Finance, Legal, HR, Engineering, Support	Primarily extraction use cases; integrates with other services	Core extraction for forms and tables	Broad extraction with customization capabilities

Capability / Metric	DocuAI	Google Cloud Document AI	AWS Textract	Azure AI Document Intelligence
<b>Accuracy (Extraction Benchmarks)</b>	Competitive with leading cloud extractors due to underlying GenAI models (e.g., Google models)	Strong OCR and structured extraction; widely benchmarked at ~82–99% in field extraction on clean docs but variable on complex layouts <sup>1</sup>	Strong OCR; competitive with Google Cloud but varies by document complexity <sup>1</sup>	Often leads in structured accuracy and table detection <sup>1</sup>
<b>Integration &amp; Ecosystem Support</b>	Agnostic; Integrates with all cloud platforms and on-prem systems	Deep GCP platform integration	AWS ecosystem with Lambda, Step Functions	Microsoft ecosystem with Azure services

## Conclusion

As procurement continues its shift toward data-driven decision-making, AI is fast becoming an essential layer in the contracting process. While CLM systems remain foundational, they do not fully address the analytical, interpretive, and drafting needs of modern procurement teams.

Generative AI—especially solutions designed to integrate directly with existing CLM platforms—fills this critical gap. Organizations that embrace this dual-layer model will be better positioned to accelerate contracting cycles, strengthen compliance, and achieve more strategic outcomes across their supplier ecosystems.