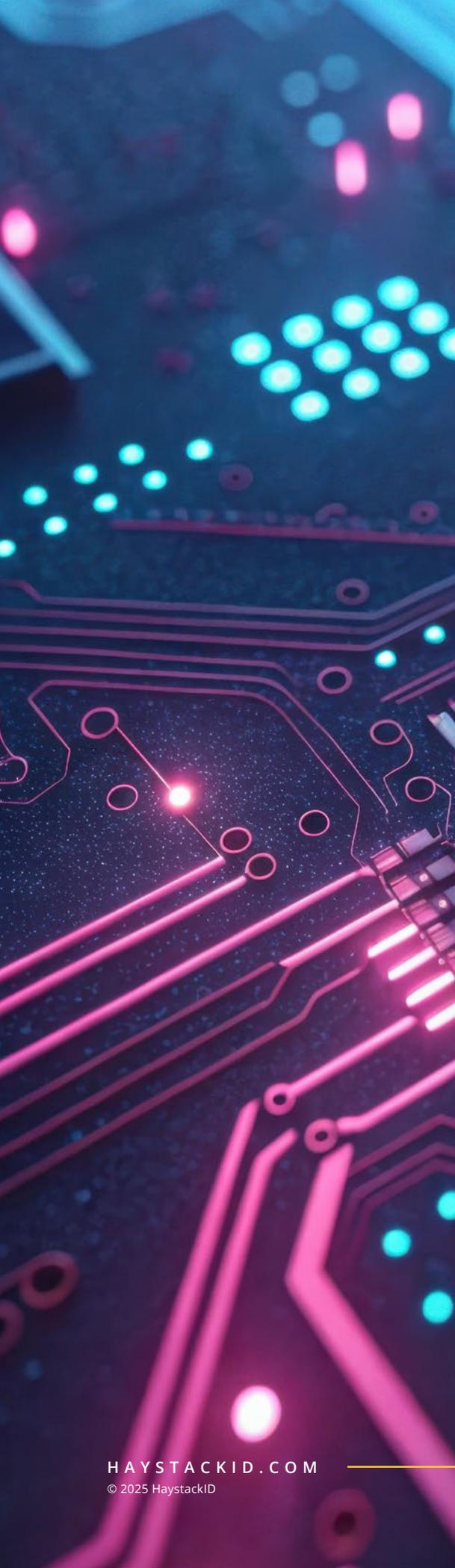


CASE STUDIES

AI in Practice: Case Studies Using
HaystackID® Core Intelligence AI Case Insight™

HAYSTACK®



Background Overview

The ever-expanding volume of electronically stored information has created profound challenges for legal professionals engaged in litigation, regulatory responses, and internal investigations. Traditional review methods, even when augmented by Continuous Active Learning (CAL), often remain costly, time-intensive, and prone to inconsistency. HaystackID® launched **Core Intelligence AI Case Insight™** to address these concerns, combining the precision of generative AI with legal and technical expertise to create a solution capable of reshaping the way teams approach discovery.

Case Insight has been deployed across multiple complex matters, and its impact has been measured in tangible time savings, cost reductions, and improved defensibility. The following narrative highlights several examples that demonstrate how Case Insight consistently enables organizations to manage discovery obligations more effectively while reducing risk and ensuring legal defensibility.

Postscript: By the Numbers

- **276,897 documents** assessed in early case review, with **92% classified as not relevant** and **72% time savings achieved**.
- **1,290,290 documents** in a criminal production review were reduced to **less than 9% requiring attention**.
- **2.2 million documents** in an internal investigation surfaced critical findings within **48 hours**.
- **131,000 documents** validated post-review with recall between **88% to 93%**, precision between **85% to 89%**, and an overall F-score of **~89%**.
- Cost savings of **50% to 90%**, and review time reductions of **60% to 90%** documented across matters.



Early Case Assessment: Streamlining Review Populations

In one matter, a potential review population of **more than 276,000 documents** posed a daunting challenge. By applying Case Insight, counsel was able to identify and validate **over 92% of the dataset** as not relevant. This effort left **fewer than 8% of documents** requiring additional review. The effect of this triage was substantial. The reduction of the review population resulted in a **72% improvement in review time** and a **60% reduction in overall cost** compared to the results of a traditional CAL approach.

This example illustrates the power of Case Insight in early case assessment. By filtering out irrelevant information with high confidence, it allowed legal teams to focus attention and resources on material most likely to influence case outcomes, while **minimizing unnecessary review effort**.



Strengthening Quality Control in Document Review

Case Insight has also been applied to improve quality control in regulatory matters. A law firm sought to ensure both pre-review and post-review validation of documents in high-stakes cases involving outside counsel and internal quality control teams. When used to validate human-reviewed datasets, Case Insight **identified key documents that had been overlooked** and **surfaced inconsistencies in coding decisions**. This not only streamlined workflows but also supported more consistent and defensible results.

When deployed before the start of manual review, Case Insight enabled teams to flag potentially responsive documents and relevance conflicts early, reducing cleanup costs and strengthening overall review quality. For reviewers and counsel alike, the system provided greater confidence in the defensibility of outcomes, while **reducing the need for repetitive manual rework** and **accelerating the pace of quality control**.



Accelerating Received Production Review

In a separate matter, a law firm faced the need to quickly analyze a production of over **1.2 million documents** in the context of a criminal investigation. By using Case Insight, the team was able to classify over **91% of the dataset** as not relevant, dramatically reducing the documents that required full review to less than **9% of the total population**.

This approach enabled counsel to devote time and resources to documents that truly mattered to the case, rather than becoming overwhelmed by irrelevant data. The result was a **significantly faster and more efficient review** that supported the firm's ability to respond effectively under the pressure of a sensitive criminal inquiry.



Internal Investigations at Enterprise Scale

Case Insight has also demonstrated its ability to support urgent internal investigations. In one matter, a corporate client faced the daunting task of reviewing **more than 2.2 million documents** in response to a pressing business issue. With only limited information available at the outset, the company turned to Case Insight to identify facts quickly and effectively.

The system surfaced critical communications, timelines, and decision points **within 48 hours**, allowing in-house counsel to establish a factual foundation for the investigation almost immediately. By rapidly delivering relevant insights without the need for a full manual review, Case Insight enabled the organization to act swiftly and decisively, demonstrating how HaystackID GenAI technology can be scaled to meet enterprise-level demands while maintaining defensibility.



Validating Accuracy and Defensibility in Review

Beyond accelerating workflows, Case Insight has been tested for its ability to strengthen defensibility and accuracy in document review. In one project, a **dataset of 131,000 documents** had already been fully reviewed and coded by attorneys. Case Insight was then applied to assess performance through established metrics, including recall, precision, and F-score.

The results showed **recall levels of 88% to 93%, precision between 85% and 89%**, and an overall **F-score of approximately 89%**. By providing scalable validation, Case Insight offered confidence checks against human coding, highlighted edge cases for targeted re-review, and confirmed consistency before production. The outcome assured stakeholders that relevance coding could be cross-verified and defensible, enhancing trust in the review process.

Conclusion: Advancing Discovery with Intelligence, Efficiency, and Defensibility

Across matters ranging from regulatory inquiries to criminal investigations and internal corporate reviews, Case Insight has consistently delivered measurable results. It has reduced review populations by **more than 90%** in some matters, accelerated fact development in urgent investigations, and provided quantifiable validation of coding accuracy. Just as importantly, it has done so while maintaining defensibility—an essential element in any legal or regulatory proceeding.

HaystackID Core Intelligence AI Case Insight represents a significant advancement in the application of GenAI to eDiscovery. By blending legal acumen with advanced technology, it provides law firms, corporations, and regulators with a solution that not only accelerates discovery but also improves accuracy, reduces costs, and supports defensible outcomes. For professionals navigating the complexities of modern data volumes, Case Insight offers a proven and practical pathway toward more efficient, reliable, and intelligent discovery practices.

Additional Reading

- [HaystackID® Core Intelligence AI™](#) (HaystackID)
- [Core Intelligence AI Case Insight™ and Case Elements](#) (HaystackID)

Learn More Today.

[Contact us today](#) to learn how HaystackID can help you solve your complex data challenges related to legal, compliance, regulatory, and cyber events.

About HaystackID®

HaystackID solves complex data challenges related to legal, compliance, regulatory, and cyber requirements. Core offerings include Global Advisory, Cybersecurity, Core Intelligence AI™, and ReviewRight® Global Managed Review, supported by its unified CoreFlex™ service interface. Recognized globally by industry leaders, including Chambers, Gartner, IDC, and Legaltech News, HaystackID helps corporations and legal practices manage data gravity, where information demands action, and workflow gravity, where critical requirements demand coordinated expertise, delivering innovative solutions with a continual focus on security, privacy, and integrity. Learn more at HaystackID.com.

Assisted by GAI and LLM technologies.