



Polyrheo Cuts Manual Review by 55% and Lifts Cross-Functional Efficiency by 45% with NSOffice.AI



Impact At A Glance



55%

Reduction in manual review



45%

Higher cross-functional efficiency



1.5x

Faster turnaround on queries

Challenge

Polyrheo Inc. sources, manages, and distributes specialty chemicals, engineering polymers, and chemical formulations for industrial and manufacturing customers across North America, with regulatory compliance and supply chain support built in. The company generates annual revenue in millions, running that work across **four functions**: Logistics, Technical Support, Quality & Compliance, and Account Management.

The material itself is dense: datasheets, safety documentation, regulatory requirements, supplier records, chemical labels, certifications, logistics paperwork. Each function works through it on its own, with no shared way to search across teams. When a question touched two functions, someone looked up the same answer twice.

Solution

NSOffice.AI brings Logistics, Technical Support, Quality & Compliance, and Account Management onto **one workspace**, starting with two capabilities: chat and image analysis. All four functions start from the same place instead of building separate processes, **cutting manual review time by 55%**.

It answers technical, operational, and customer-facing questions directly, replacing the manual work of tracking down a datasheet or supplier record. With Images, it reads chemical labels, packaging, and certifications directly, **turning a photo into something a team can question** instead of interpreting by hand, **delivering a 1.5x faster turnaround on those queries**.

The platform runs both capabilities from day one, live across three workflows: technical queries, label and certification review, and early regulatory document work. All four teams query the same **secure workspace** from week one instead of evaluating AI function by function, **lifting cross-functional efficiency by 45%**.

Every query stays inside Polyrho's own environment: **NSOffice.AI's security guardrails and sovereign AI** architecture keep regulated technical material fully queryable without it ever leaving Polyrho's control.

Key Highlights

- **Multimodal from the start:** NSOffice.AI runs Chat and Images together within the same onboarding window, not rolled out one after the other.
- **Built on regulated, technical material:** NSOffice.AI works against datasheets, safety documentation, and regulatory requirements, not general office content.

- **Cross-functional by design:** all four functions run on one workspace, not four separate deployments.
- **Pilot-first rollout:** Polyrheo starts onboarding with real workflows in two capabilities before deciding to expand further.

Conclusion

NSOffice.AI cuts manual review time by 55%, lifts cross-functional efficiency by 45%, and delivers 1.5x faster turnaround on technical queries.

Four teams already **share one workspace**, ahead of any single use case being finalized.

Polyrheo **runs chat and images together** from day one, not staged in sequence.

As adoption deepens, this workspace becomes **the shared layer across Polyrheo's** technical, compliance, and customer-facing work, not a single-team tool.
