

CASE STUDY · AI WORKFLOW REDESIGN

From 16.5 hours to 4.6 — a 131-item compliance review, *redesigned with AI.*

How RAIM Consulting Group rebuilt a manual document-compliance review against a 131-item legislative checklist into an AI-assisted workflow — cutting expert time by 72%, lifting annual capacity from 12 to 30+ reviews, with payback in under one month.

USE CASE	SECTOR	STACK	DEPLOYMENT
Document compliance & review	Regulated, document-heavy operations	Claude AI · Python · expert oversight	2–4 weeks, no custom infrastructure
16.5h → 4.6h PER REVIEW 72% less expert time, per assessment.	12 → 30+ REVIEWS PER YEAR 2.5× capacity, same expert headcount.	~3,872% ESTIMATED ROI ~286,000 CZK saved p.a. · AI cost 7,200 CZK.	< 1 <i>mo.</i> PAYBACK ~143 hours saved annually (~18 working days).

THE CHALLENGE

A regulated operation needed to assess filing and legal regulations against a **131-item legislative checklist** — a compliance review that combined deep document reading, line-by-line cross-referencing, evidence capture and a written verdict back to the client.

The old process was pure manual grind, performed by a senior subject-matter expert:

- **16.5+ hours** of expert time per single review.
- **12 reviews a year** — a hard ceiling on capacity.
- **198 hours** of senior expert time consumed annually.
- Inconsistent outputs, no scalability, room for human error.
- Step 3 alone — manually walking the 131-item checklist — consumed **~8 hours** per review.

The question we set out to answer

How much of this expert work can AI take on — without surrendering the judgement, citations and accountability the review depends on?

THE SOLUTION

RAIM Consulting Group mapped the six-step workflow, scored each step for friction and AI-fit, then redesigned the process around a single principle:

AI prepares. The expert decides.

- 01 DOCUMENT INDEXING**
Automated extraction and segmentation of the source filing and its attachments — DOCX, PDF, anything textual — into a clean, structured corpus.
- 02 RAG-BASED CHECKLIST MATCHING**
For each of the 131 items, AI retrieves the relevant passages from the document, evaluates compliance, and proposes **OK / Err with citations** and a confidence score.
- 03 AUTO-GENERATED ASSESSMENT**
Checklist spreadsheet and client report drafted automatically — including recap statistics, flagged items and a summary memo, ready for expert review.
- 04 EXPERT REVIEW & SIGN-OFF**
The expert focuses where judgement matters — uncertain items, nuance, final verdict — with a target review time under 2.5 hours and AI accuracy > 85%.

● CLAUDE AI · PYTHON · 2–4 WEEK DEPLOYMENT

THE NUMBERS · BEFORE VS. AFTER

SIX STEPS · ONE WORKFLOW

Where the time goes — and where AI takes over.

#	WORKFLOW STEP	BEFORE	WITH AI	SAVED	AI PATTERN
01	Document intake	15 min	5 min	10 min	AGENT
02	Reading regulation & attachments	3.0 h	1.0 h	2.0 h	RAG
03	Walking the 131-item checklist	8.0 h	2.5 h	5.5 h	AGENT + RAG
04	Recording OK / Err + notes	3.0 h	0.5 h	2.5 h	PROMPT
05	Recap & client report	2.0 h	0.5 h	1.5 h	PROMPT
06	Delivery to client	15 min	5 min	10 min	PROMPT
	Per review	16.5 h	4.6 h	~12 h · 72%	— BLENDED

THE BUSINESS CASE

ANNUAL, IN CZK

HOURS SAVED ~143 h p.a. Equivalent to ~18 working days returned to the expert.	COST SAVINGS ~286,000 CZK Annual labour cost recovered, at standard expert rates.	AI OPERATING COST only 7,200 CZK Annual OPEX — Claude subscription, no infrastructure.	PAYBACK < 1 month Estimated ROI ~3,872% on a one-off implementation.
--	---	--	---

HOW THIS CAN BE RE-USED

ANY DOCUMENT-HEAVY, RULES-BASED REVIEW · THE CHECKLIST CHANGES, THE ENGINEERING DOES NOT

WHERE IT FITS

WHAT THE AI-REDESIGNED WORKFLOW LOOKS LIKE

Legal & compliance	Contract review, regulatory filings, policy audits — clause-by-clause matching against a controlled rulebook, with citations and confidence scoring.
Procurement & tenders	Bid documents assessed against tender requirements; auto-drafted scoring sheets and exception reports for the evaluation committee.
Internal audit & ISO	Evidence packs cross-checked against control frameworks (SOX, ISO 27001, GDPR) — auditor focuses only on flagged findings.
Public sector & archives	Filing rules, records-management standards and statutory checklists applied at scale across many originators and document types.
Insurance & claims	Submission packages validated against policy terms and underwriting rules; structured exception lists routed to a human underwriter.

THE RAIM AI-WORKFLOW ARCHITECTURE

DOCX / PDF
SOURCE FILING

→ Text extraction
PYTHON

→ Claude AI
RAG + ASSESSMENT

→ XLSX output
CHECKLIST + REPORT

→ Expert sign-off
FINAL VERDICT

No custom infrastructure. No vector DB. No complex setup. Just Claude's long-context window, light Python plumbing and disciplined prompt engineering — deployable in 2-4 weeks. This is what pragmatic AI adoption looks like in regulated, document-heavy environments.

ABOUT RAIM CONSULTING GROUP

RAIM Consulting Group is a Prague-based AI and digital transformation advisory. We combine strategy, engineering and adoption in single engagements — turning AI capability into measured business outcomes. We specialise in Anthropic Claude implementations for European public-sector, cultural and Fortune-500 enterprise clients.

CURIOS HOW THIS COULD APPLY?

Roman Antoř · Filip Gröschl
FOUNDERS · RAIM CONSULTING GROUP
roman.antos@raimconsulting.com
filip@waizard.eu
www.raimconsulting.com

RAIM CONSULTING GROUP · Prague, Czech Republic · www.raimconsulting.com · © 2026 RAIM Consulting Group. All rights reserved. · Figures are estimates from RAIM's six-step workflow analysis (Feb 2026); CZK at standard expert rates. This case study may be circulated freely with attribution.