Why AI needs your operating knowledge written down first

AI can only automate work that is written down, owned and measured. How founders and CEOs capture operating knowledge, name owners and add review.

Hashir I. Qureshi, Co-founder and managing partner

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In brief

AI can only take on work that is written down, owned and measured. In most businesses the real rules for decisions, exceptions and ownership live in managers' heads, so AI has nothing reliable to follow and nobody answers for its mistakes. Capture how the business actually runs, tie that documentation to your systems and named owners, then automate with a person checking the work wherever a mistake costs money.

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Why does AI need your operating knowledge written down first? Because AI can only take on work that is written down, owned and measured, and in most businesses the real rules live in managers' heads. Capture how the business actually runs, turn that memory into documentation tied to your systems and owners, then automate with a person checking the work wherever a mistake costs money.

This article is for founders, owners and CEOs who want AI to do real work in the business, not just draft emails.

01

What operating knowledge is, and where it lives today

Operating knowledge is how the business actually runs. Not the org chart, and not the process map from three years ago, but the working rules people follow every day.

- **Decisions:** who approves a refund, a discount, a supplier change or a hire, and up to what amount.
- **Exceptions:** what happens when an order is late, a product arrives damaged or a customer asks for something off the menu.
- **Ownership:** which person is accountable for each process and each number.
- **Measures:** how anyone knows the work was done well, and how fast.
- **Systems:** which screen, field or spreadsheet holds the data each step depends on.

In many growing businesses, very little of this is written down. It lives in managers' memory, chat threads, spreadsheets and verbal instructions. New hires learn it by asking. When a long-serving manager leaves, part of the business leaves too.

The cost is already on the payroll. Atlassian's State of Teams 2025 survey of 12,000 knowledge workers and 200 executives found that leaders and teams waste 25% of their time just searching for answers.

02

Why AI cannot automate work nobody has written down

An AI tool works from the instructions and information it is given. If the rule for approving a return exists only as one manager's judgment, the tool cannot follow it. Nobody can check whether it did. And nobody is accountable when it gets it wrong.

Three conditions decide whether a piece of work is ready for AI:

- **Written down.** The steps, decisions and exceptions are documented in plain language, current and in one place.
- **Owned.** One named person is accountable for the process and its result, and decides how it should change.
- **Measured.** There is a baseline, such as volume, cycle time, error rate or cost, so you can tell whether automation helped.

The research points the same way. McKinsey's State of AI in 2026 survey, published in August 2026, found that nearly three quarters of AI high performers, about 6% of respondents, report fundamentally redesigning workflows because of their AI use, against just one quarter of other respondents. Only 37% of respondents said AI had contributed positively to their organization's EBIT. You cannot redesign a workflow you have never described.

Atlassian's State of Teams 2026, published in April 2026, shows the same gap from the other side: 85% of knowledge workers use AI at work, but only 29% have embedded it in their flows of work. Using a tool is easy. Changing the work requires knowing what the work is.

03

How to prepare a process for AI: capture, document, assign, automate

The order matters more than the tool. Each step makes the next one possible.

Step 1: capture how the business actually runs

Start with how work really happens, not how leadership assumes it happens. Sit with the people who do the work. Ask what they decide, what they escalate, which exceptions come up every week and where they go to find answers. Write down the disagreements too: two managers who handle the same exception differently are showing you where the process is not yet defined.

Step 2: turn manager memory into documentation tied to systems

A document earns its place only if it has a job. Write procedures, policies and role definitions for the processes the business is changing now, and connect each one to the system it runs in: the ERP screen, the order status, the field that triggers the next step. Documentation that floats free of systems goes stale fast. Documentation tied to systems becomes the specification for automating them.

Step 3: name an owner and a measure for every process

Every documented process needs one person accountable for it and one number that shows whether it works. Tie the owner's role, service levels and review to the documents, so keeping the process current is part of the job rather than a side project. This is the same discipline as writing decision rights with clear thresholds. If nobody owns a decision, it defaults upward, and an AI tool cannot escalate to a person who does not exist.

Step 4: automate with human review

Only now does automation have something to stand on. Pick a process that is documented, owned, measured and high in volume. Let the system draft, sort or route, and keep a person reviewing the output wherever a mistake reaches a customer or costs money. Start with review on every item. Relax it only when the error rate, measured against the baseline, says you can.

BCG made a similar case in January 2026 in Scaling AI Requires New Processes, Not Just New Tools. Its guiding principle puts 10% of the effort on algorithms, 20% on technology and data and 70% on people and processes. In one industrial goods company's redesigned quote-to-order process, AI agents were designed to resolve around 70% of requests for quotation without human intervention. The rest were designed to keep people involved. The design started with the process and decided where people stay in it.

04

What an AI-ready process looks like

Use this table to check one process before anyone proposes automating it. If most of your answers sit in the middle column, the work to do first is documentation, not AI.

Element	Not ready yet	Ready for automation
Steps	Known only by the people who do them	Written down, current and in one place
Decisions	"Ask the manager"	Who decides, and up to what limit, written down
Exceptions	Handled case by case from memory	Listed, each with an action and an escalation path
Ownership	Shared, or "the team"	One named person accountable for the process and its result
Measures	No baseline	Volume, cycle time, error rate or cost tracked before automation starts
Systems	Spreadsheets and chat threads beside the ERP	Each step linked to the system and field it depends on
Review	Not defined	A named reviewer and a rule for which outputs need a human check
Upkeep	Updated when someone remembers	Version controlled and reviewed on a fixed rhythm

05

What this looks like in practice

Three engagements from our case library show the sequence at different stages.

Capturing the knowledge. An online retailer of pre-owned electronics ran on processes, decisions, policies and reporting scattered across conversations, spreadsheets and managers' memory. Our team surveyed managers department by department, including an ERP requirements survey across seven departments. Manager service levels were tied to current procedures, policies, key result areas and

job descriptions, and the documentation fed the ERP build directly. The retailer turned manager memory into documentation its teams and ERP could use, reduced its dependence on undocumented manager knowledge and replaced ad hoc updates with a repeatable weekly report.

Choosing what to automate. A professional services firm wanted to act on AI but could not settle which processes to automate, which tools to use or which risks to accept. Our team assessed readiness inside the firm, narrowed the options to three use cases worth building and put them in order, so leadership faced one decision at a time. The firm deployed its first AI workflow within 90 days.

Automating with review. At a founder-led digital marketing agency, production ran on shared documents, spreadsheets and email. Our team owned the requirements and specification for one delivery system across content, reporting and recruitment, governed the external build partner and held one rule: no unreviewed output reaches a client. The agency absorbed $850,000 of new revenue with four net hires, and revenue per full-time employee rose 29%. Automation then moved the constraint to review and judgment, so the operating model was redesigned around the reviewers.

None of the three started with a tool. Each started with the work written down, an owner and an outcome agreed at the start. Armstrat is a Business Transformation Office (BTO™) that embeds forward-deployed engineers (FDEs) inside a client's business and focuses solely on delivering outcomes. The team builds with the client's own people and stays until the results hold, and the outcomes, and how they will be measured, are agreed before work starts.

06

Where AI helps with operating knowledge, and where it does not yet

AI is useful in this work, including in the documentation itself. It is not a shortcut past it.

Where AI genuinely helps

- Turning recorded walk-throughs and interviews into first drafts of procedures, which the process owner then corrects.
- Comparing documents to find conflicts, such as two policies that set different refund limits.
- Answering staff questions from a current knowledge base, with a link to the source, which cuts the time lost to searching.

- Drafting, sorting and routing high-volume work on a documented process, with a person reviewing the output.

Where it does not yet

AI cannot decide how your business should handle an exception nobody has defined. It cannot capture judgment a manager has never put into words. And it should not act alone where a wrong answer costs money until four things are true: the process is documented, an owner is named, a baseline exists and the review step has been tested on real work.

Gartner predicted in June 2025 that over 40% of agentic AI projects will be canceled by the end of 2027, citing escalating costs, unclear business value or inadequate risk controls. Unclear value and weak controls are exactly what an undocumented, unowned process produces. Our AI and intelligent automation work starts from readiness and use-case selection for this reason, and our guide to the signals that mean not yet sets out what to check first.

07

Where we say no

Honest enough to say not yet means turning down some requests, including ones a client is ready to pay for.

- **No AI agent on an undocumented process.** If the steps, decisions and exceptions are not written down, we document them first or we do not build.
- **No automation without a named owner.** A process nobody owns drifts, and an AI tool on top of it drifts faster.
- **No automation without a human check where mistakes cost money.** Refunds, pricing, payments, client deliverables and anything a customer sees keep a reviewer until the error rate earns a lighter touch.
- **No documentation for its own sake.** A binder of procedures that no system, role or review refers to is a cost, not an asset.

That is why most engagements begin with a diagnostic of two to four weeks: to find out which processes are documented, owned and measured enough to automate, and which need work first. Sometimes the honest answer is not yet. As with AI pilots that never deliver a financial return, the cause is rarely the model.

08

How founders and CEOs can start this quarter

1. **Pick one process that costs real hours,** such as order exceptions or client reporting.
2. **Write down every step, decision and exception** with the people who run it.
3. **Name one owner and take a baseline** before anything changes.
4. **Link each step to its system** and close the gaps held in side spreadsheets.
5. **Then pilot automation,** with a person reviewing every output to start.

For a quick read on whether your data, ownership and use cases are ready, the free AI Readiness Assessment takes about ten minutes and returns a scorecard.

09

Frequently asked questions

What is operating knowledge in a business?

Operating knowledge is how the business actually runs: who makes each decision and up to what limit, how exceptions are handled, who owns each process and number, and which systems each step depends on. In many businesses it lives in managers' memory, chat threads and spreadsheets rather than in documents. Writing it down is what makes it possible to train people, change processes and automate work safely.

Do we need to document every process before using AI?

No. Document the process you want to automate, and the processes it touches, before you build. Start with one high-volume process that costs real hours, write down its steps, decisions and exceptions, name an owner and take a baseline. That is enough to automate it with a human check. Documenting the whole business first usually produces a binder nobody uses.

Can AI write our standard operating procedures for us?

Partly. AI can turn recorded walk-throughs, interviews and existing notes into useful first drafts, and it can find conflicts between documents. It cannot decide how a process should run or capture judgment nobody has put into words. A named process owner has to review, correct and approve each procedure, then keep it current as the business changes.

Who should own a process that AI is part of?

The person who owns the business result the process delivers, not the IT team or an AI committee. That owner decides how the process should run, approves changes to the documentation, sets the rules for human review and answers for the measure. If you cannot name that person, the process is not ready for automation.

When does an AI workflow need a human review step?

Whenever a mistake would reach a customer, move money or create legal or reputational risk. Refunds, pricing, payments and client deliverables are common examples. Start with a person reviewing every output, measure the error rate against the baseline, and reduce review only when the numbers support it. In professional services, review is often what makes automation acceptable to clients paying for judgment.

Why do AI agents struggle on real business processes?

Most real processes are full of exceptions and judgment calls that were never written down, so an agent has no reliable rules to follow and nobody can check its work. Gartner predicted in June 2025 that over 40% of agentic AI projects will be canceled by the end of 2027, citing escalating costs, unclear business value or inadequate risk controls. Documented, owned and measured processes address the last two directly.

Written by

Hashir I. Qureshi

Co-founder and managing partner, Armstrat

Hashir is Armstrat's managing partner. He runs senior client relationships, sets the firm's positioning and methodology, and decides which engagements Armstrat takes on, and which it turns down. Before founding Armstrat, he led restructuring across retail and supply chain businesses, owning the ERP, the cost structure and the operating cadence that runs across them.

About Armstrat

Armstrat is a Business Transformation Office (BTO™). A partner leads every engagement, and forward-deployed engineers (FDEs) work inside your business across five capabilities: business transformation; operations and supply chain; people and organization; growth, marketing and sales; and AI and intelligent automation.

Engagements are a base fee plus a contingency paid on results, not on documents. We use AI only where it earns its place, and we say not yet when a business is not ready for it.

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