HOW TO INTEGRATE AI IN SMALL BUSINESSES

A PRACTICAL GUIDE TO SAVE TIME, IMPROVE PRODUCTIVITY AND BUILD A STRONGER BUSINESS WITH ARTIFICIAL INTELLIGENCE

PRACTICAL GUIDES
WORKED EXAMPLES
AI PROMPTS
TEMPLATES
AND A 30-DAY ACTION PLAN



PRACTICAL IMPLEMENTATION | BUSINESS GROWTH | ILLUSTRATIVE CASES | LEGAL CONSIDERATIONS | TEMPLATES AND PROMPTS

THOMAS HJORT

Grip&Co

A PRACTICAL BUSINESS GUIDE

How to Integrate AI in Small Businesses

Save time, improve everyday work and build a stronger business with artificial intelligence.

Thomas Hjort

GRIP & CO
gripco.dk

About this edition

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Introduction: Start With the Work, Not the Technology

Imagine walking into your business on a Monday morning and discovering that the routine work has already been organized. The incoming customer messages have been sorted by urgency. Yesterday's sales have been summarized. Draft replies are ready for review. The team knows which orders need attention, and you can spend your first hour solving problems rather than searching for them.

This is a useful picture of what artificial intelligence can do for a small business. It is not a picture of a company without people. It is a picture of people getting back some of the time that repetitive work consumes.

AI is often presented as a revolution that every business must join immediately. That language creates pressure, especially for owners who already have too much to do. The more practical question is simpler: which recurring task would you most like to make easier, faster, or more reliable?

This book is written for the owner of a restaurant, retailer, service company, small manufacturer, agency, or online shop. You do not need to write software. You do need to understand how your business works, be willing to experiment, and know when a human should remain responsible for a decision.

We will use a fictional business called Northfield Supply throughout the book. It sells equipment to local businesses, employs twelve people, and operates a small warehouse and online shop. Its staff are competent and busy. Its information is scattered across email, spreadsheets, a webshop, and an accounting system. It has the same problem many growing

businesses have: each new order brings revenue, but also more administration.

Northfield will not transform overnight. It will start by drafting customer replies, then improve product information, organize follow-ups, and connect a few systems. We will measure whether the changes actually help. Some experiments will fail. That is part of the method.

There are three rules that run through this book. First, never automate a process you do not understand. Second, never let an AI system quietly make high-impact decisions without appropriate checks. Third, measure outcomes rather than collecting impressive demonstrations.

You can read the chapters in order or use them as a working manual. Each chapter ends with an exercise, prompts you can adapt, and measures that tell you whether an experiment deserves to become part of your business.

What you will be able to do

- Identify promising AI opportunities without buying unnecessary software.
- Use AI to draft, organize, summarize, and analyze routine business work.
- Build simple, supervised workflows and know when an integration is worthwhile.
- Protect customer information and put practical approval controls in place.
- Estimate time saved, costs introduced, and the real business value of each change.

CHAPTER 1

AI Is Not Just for Big Companies

Large companies can spend millions building proprietary systems. Small businesses have a different advantage: they can change a process on Tuesday and test the result by Friday. There may be no committee, no lengthy procurement process, and no need to integrate ten legacy platforms before trying a useful idea.

That speed matters because AI adoption is not primarily a technology contest. It is a learning contest. A business that runs ten careful experiments and keeps the two that work may gain more than one that purchases an expensive platform without changing how people work.

Consider a common example. A customer asks whether a product is available, when it can be delivered, and whether a similar model would be suitable. The employee must check stock, read product specifications, review shipping rules, and compose an answer. An AI assistant can help assemble a draft from verified information. It cannot responsibly invent stock availability or promise a delivery date it has not checked.

The distinction between assistance and authority is central. AI can prepare the answer. A trusted system or employee must establish the facts. For low-risk work, this may require only a quick review. For refunds, safety instructions, employment decisions, or financial commitments, the approval step should be explicit.

The first economic benefit of AI is often capacity rather than immediate cash savings. Saving a manager six hours a week does not automatically reduce payroll. It may instead allow faster quotations, more customer calls, or less evening work. That value is real, but it should be described accurately.

Three levels of adoption

Level 1 - Assistant: A person uses AI to draft, summarize, translate, classify, or brainstorm. Nothing is sent to customers without review.

Level 2 - Guided workflow: Information moves between a form, spreadsheet, inbox, or database. AI performs a narrow task, and a person approves the result.

Level 3 - Controlled automation: An approved workflow runs when a defined event occurs, with logging, permissions, exception handling, and a way to stop it.

Most small businesses should start at Level 1. The temptation to skip directly to Level 3 is understandable, but an automated mistake can scale as efficiently as a correct process.

The Northfield experiment

Northfield receives about 60 routine customer inquiries a week. Its manager estimates that drafting a useful reply takes six minutes on average. The team creates a library of verified policies and product facts, then tests AI-generated drafts on 20 historical inquiries. Employees score each draft for accuracy, tone, completeness, and time required to correct it.

The experiment does not ask whether the AI sounds intelligent. It asks whether the team can produce accurate replies more efficiently. If average handling time falls from six minutes to four, the theoretical saving is two hours a week across 60 inquiries. The company should then check whether quality remains at least as good and whether the savings persist in real work.

Try this today: the 30-minute opportunity audit

• Write down ten recurring tasks performed each week.

- Estimate minutes per occurrence and how often each task happens.
- Mark whether each task uses sensitive data, requires judgment, or creates a customer-facing commitment.
- Choose one frequent, low-risk task with clear inputs and an easily reviewed output.
- Run five examples manually before subscribing to another tool.

Copy-and-use prompt

> *Act as an operations analyst for a small business. I will describe a recurring task. Ask me for the current steps, frequency, time per occurrence, information sources, failure risks, and approval requirements. Then suggest three ways AI could assist, ranked by simplicity and risk. Do not assume that automation is appropriate.*

Measure your results

Record baseline minutes per task, revised minutes including review, error rate, employee satisfaction, and monthly tool cost. A useful calculation is: (minutes saved per task × monthly volume ÷ 60 × loaded hourly cost) - monthly software and oversight costs. Treat the result as an estimate of capacity value unless actual cash savings occur.

Common mistake

Do not feed an entire customer inbox or employee database into a public AI tool simply to save time. Start with anonymized examples and review the provider's privacy, retention, and access settings before using real information.

CHAPTER 2

Understanding AI Without the Technical Jargon

You do not need to understand the mathematics of machine learning to use it responsibly. You do need a working model of what an AI tool is doing, what it is good at, and why it sometimes produces an answer that is fluent but wrong.

A language model predicts and generates text based on patterns learned during training and the information supplied in the current interaction. That makes it powerful at drafting, reorganizing, translating, explaining, and finding patterns in text. It does not give the model direct access to your stock records, bank balance, or company policies unless those sources are connected or supplied.

An AI assistant is not the same as an authoritative database. Ask it to rewrite a delivery policy and it may be useful. Ask it to tell a customer the delivery policy without providing the current policy, and it may guess. The safer design is to supply the policy as source material and require the assistant to quote or identify the relevant passage before drafting an answer.

Three concepts matter especially for business use: context, grounding, and verification. Context is the information the system can see. Grounding means using trusted source material rather than relying on a model's general knowledge. Verification is the process of checking whether the output is accurate and appropriate before acting on it.

AI systems can also work with images, documents, audio, and structured data. A product photograph may help generate a draft description, but it should not be treated as proof of dimensions or electrical specifications.