Digital Transformation: The Real Version

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Abstract

This paper argues that digital transformation in mid-size enterprises is better understood as user-led problem solving supported by low-cost tooling than as a large programmed rollout. Drawing on practical experience in firms of fifty to five hundred employees, it identifies the patterns that persist: users rather than IT departments initiating change, cheap tools that solve one specific pain before scaling, and a short list of durable improvements centred on a single source of truth, trackable approvals, consolidated documents, automated reporting and mobile access. It then examines how generative AI has changed the cost and speed of building these solutions while leaving the underlying discipline untouched, and notes the constraints that remain: trust, data quality, and knowing when not to automate. The paper is a management perspective and does not constitute vendor, legal or investment advice.

Keywords: digital transformation; mid-size enterprises; low-code; business process automation; generative AI adoption

1. Introduction

Digital transformation is not what the large consultancies describe. It is not a 500-page roadmap. It is not an enterprise implementation that takes two years and still leaves nobody knowing how to use it. And it is certainly not the chatbot a vendor is trying to sell for a five-figure licence.

This paper is written from experience inside mid-size companies: fifty to five hundred people. Companies where the CFO also handles IT because there is no IT. Companies where the enterprise system is a shared spreadsheet on a cloud drive that four people edit at once and hope holds.

In these companies digital transformation looks like this: someone in accounts got tired of copy-pasting bank statements into a spreadsheet every morning, searched for a way to automate bank reconciliation, and found one. No strategy deck. No steering committee. Just someone who was tired of doing the same thing two hundred times a month.

2. Users lead this, not IT

In mid-size firms the change that sticks is usually built by the person with the problem. The procurement officer who made a form because WhatsApp approvals kept getting lost. The warehouse supervisor who learned a no-code builder over two weekends and shipped a stock counting app. The HR manager who automated leave tracking because paper forms were unworkable.

These people have no idea they are doing digital transformation. They fixed their problem. And their unglamorous spreadsheet solution often outperforms an expensive custom system.

When IT leads, you often get something technically correct that nobody wants to open. When the user leads, you get something imperfect that gets used. In a mid-size firm, used beats elegant.

3. Low cost does not mean cheap

Paying a per-user monthly licence for enterprise CRM makes little sense for a six-person sales team that still tracks leads in a notebook. A well-built spreadsheet with automation costs nothing, or a small monthly fee for a no-code layer.

The common failure pattern: a firm spends heavily on a custom inventory system, and six months later it half works, the developer has gone, and the warehouse manager is back in a spreadsheet. A properly designed spreadsheet with barcode scanning does most of the job, and the remainder gets solved when it is genuinely needed.

Solve the pain first. Use the cheapest tool that works. Do not scale until the business forces you to. And do not buy anything because a vendor said you needed it.

4. What actually moves the needle

In practice it is the same five things every time. One dashboard everyone looks at, not five files maintained by five people with different numbers. Approvals that can be tracked and moved off messaging apps. Documents in one place instead of attachments named final and final-final. Reports that build themselves, so a three-day task takes three minutes. Mobile access for field teams who will never sit at a desktop.

None of this needs a large budget or a team of ten. It needs one person who understands the pain and knows what tools exist. That person is usually not in IT; it is the frustrated manager who has done things by hand for too long.

5. How generative AI changes this

Everything above still holds. What changed in the last two years is that AI made the building part easy. Not the hype version, and not the replace-your-employees version: the practical kind where you describe what you want and receive most of it.

Two years ago an approval workflow meant hiring a developer or spending three weekends learning an automation tool. Now a description of the rule produces a working draft, roughly seventy to eighty percent complete, with the remainder adjusted by the person who owns the process.

Two years ago a dashboard required query language or advanced spreadsheet skills. Now data goes in and the requested view comes out in minutes. Two years ago a written procedure meant a week of meetings and drafts; now a fifteen-minute voice note becomes a first draft the same afternoon.

The pattern: AI did not change what the business needs. It changed how fast the business can get it.

6. What AI can do now, without a data science team

Feed a bank statement to an AI tool and it categorises transactions, maps them to the chart of accounts and flags duplicates — two days of accountant time becomes twenty minutes. Upload a vendor contract and receive key terms, risks, missing clauses and points to push back on in minutes rather than days of legal review.

A customer complaint arrives, the tool reads the email, checks order history and drafts a reply the team reviews before sending. A weekly meeting is recorded and returns minutes, decisions and action items with names attached. Anyone can ask a direct question of the data and get an answer without waiting for finance to run a report.

None of this requires a data science team or custom model training. These are off-the-shelf tools applied to a clearly stated problem.

7. What remains hard

The technology is no longer the hard part. Trust is. A long-serving procurement manager will not hand contract review to an automated process overnight; confidence is built by checking its work repeatedly until the output is seen to catch things that were missed.

Data quality is the larger constraint. An AI tool is only as good as what it is fed. If spreadsheets hold wrong dates, duplicate entries and columns that mean different things to different people, the result is confident garbage. Clean the data first, then bring in the tool.

Knowing when to stop also matters. Automate the painful, repetitive work first and leave judgement calls to people. A tool will not decide whether to terminate a supplier, but it can show which supplier has been late forty-seven times in six months.

8. Conclusion

Digital transformation was never about technology. It was about making work less painful. AI simply made it cheaper and faster to get there.

The mid-size firm that wins is the one where the finance manager builds her own automated reconciliation, where the HR lead sets up an onboarding assistant over a weekend, and where the CEO asks what problem is being solved rather than what the AI strategy is.

That is the whole strategy: solve the pain, use what works, let the people closest to the problem lead, and let AI do the heavy lifting.

References

1. Vial, G. (2019). Understanding digital transformation: A review and research agenda. The Journal of Strategic Information Systems, 28(2), 118–144.
2. Bharadwaj, A., El Sawy, O. A., Pavlou, P. A., and Venkatraman, N. (2013). Digital business: What has happened next? MIS Quarterly, 37(3), 649–658.
3. Westerman, G., Bonnet, D., and McAfee, A. (2014). Leading Digital: Turning Technology into Business Strategy. Boston: Harvard Business Review Press.
4. Iansiti, M., and Lakhani, K. R. (2020). Competing in the Age of AI: Strategy and Leadership When Algorithms and Networks Run the World. Boston: Harvard Business Review Press.