Sharper prompts smarter results

Getting better results WITH AI.

The plan has changed.

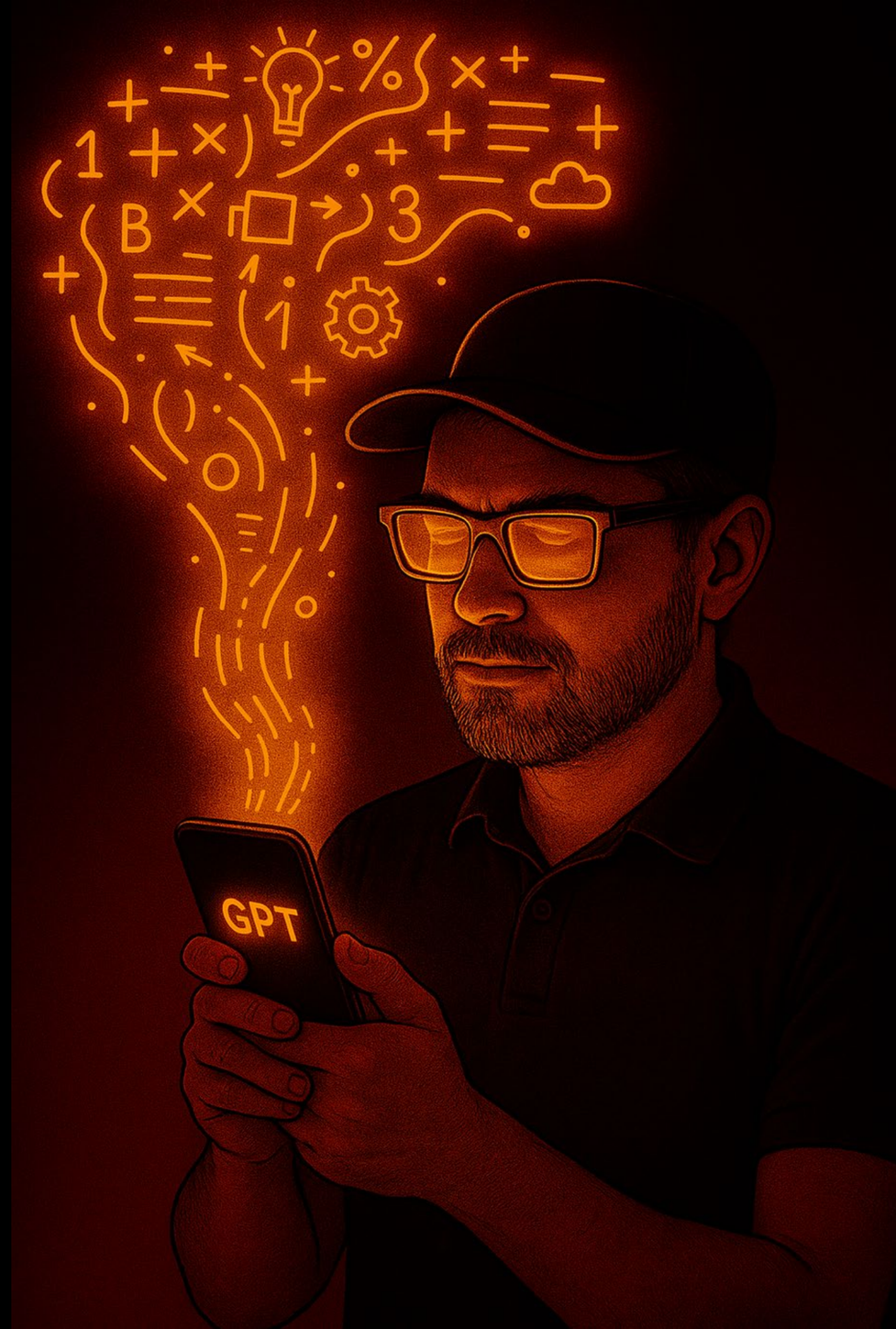
AI IS MOVING FASTER THAN MY SLIDES

1. Then: 5 tools, stitched together.
2. Now: 1 strong prompt does the job.
3. So let’s focus on how to write them.

Everyone has the answers now.

THE CURRENT STATE OF THINGS

1. AI gets better every week.
2. Skill is a commodity.
3. “If you could make or do anything, what would it be?”



Your input holds the key.

PRECISION CHANGES EVERYTHING

1. Provide context.
2. Good prompts sound like briefing a professional.

The tool isn’t the craft.

DIRECTION DRIVES RESULTS

Just like you don’t throw a random log in the mill and hope for profit, you can’t throw vague prompts at AI and expect greatness.

Terminal

“Describe our scanning system.”

Terminal

Our scanner is fast, accurate, and reliable. It helps sawmills improve cutting and reduce waste.

Terminal

“Describe our scanner in a way that frames how it solves problems.”

Terminal

Our scanner helps mills eliminate costly guesswork by delivering precise, real -time measurements that improve cutting decisions, reduce waste, and increase recovery.

Terminal

“Write an email explaining our new pricing.”

Terminal

Hi, our pricing has changed due to market conditions. Please let us know if you have any questions or concerns.

Terminal

“Write an email that helps preserve customer trust while introducing updated pricing.”

Terminal

The hardwood market is shifting fast, and so are costs. While our pricing reflects those changes, our commitment to your operations hasn’t. We’re here to help you plan ahead, avoid disruption, and take advantage of new opportunities.

Your new prompt formula.

CLARITY IN, QUALITY OUT.

1. Turns ideas into clear direction.
2. Cuts down trial and error.
3. Consistent results.

Set the role, set the lens.

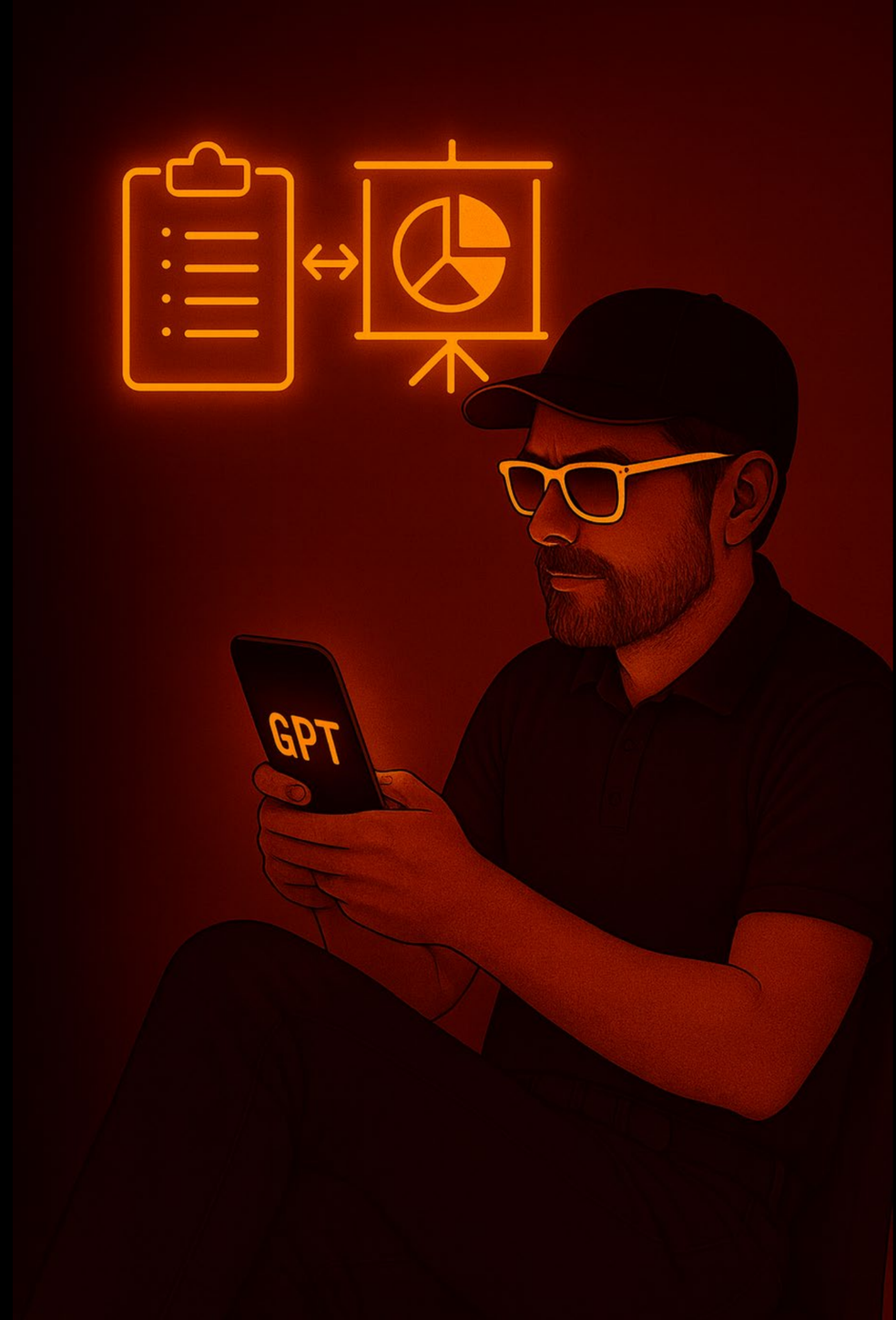
ROLE DEFINES HOW AI THINKS

1. A CFO sees numbers.
2. A COO sees processes.
3. A marketer sees stories.
4. “Act as a CFO and explain how our scanner impacts ROI.”

Be clear on the task.

TELL AI EXACTLY WHAT TO DO

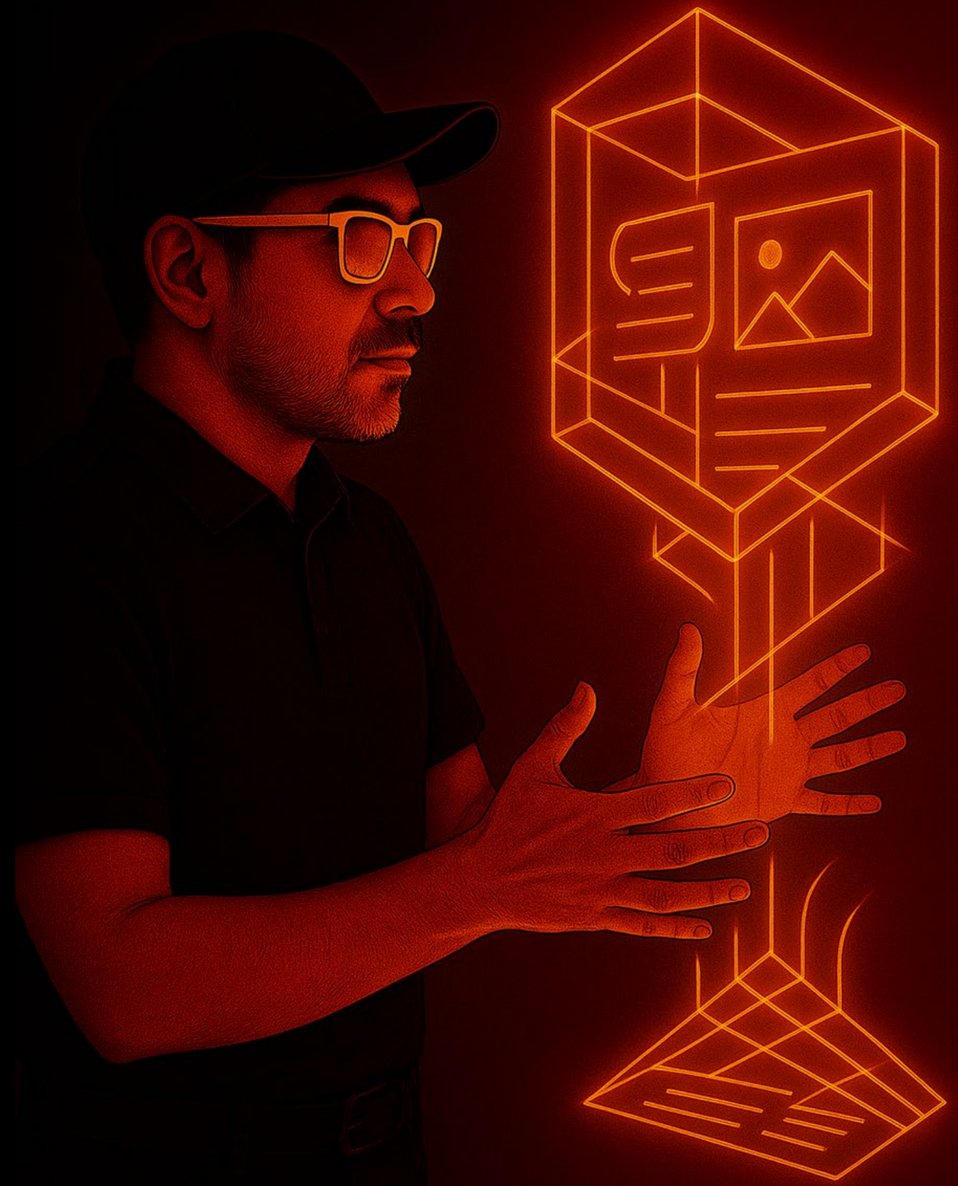
1. Write, summarize, compare or brainstorm.
2. Without a task, you get filler.
3. “Write a 3 -sentence summary of how our scanner improves yield.”



Load in the context.

HOW TO MAKE ANSWERS MORE USEFUL

1. Industry, audience, scenario.
2. AI can’t guess your world.
3. “Our customers are mill managers. Frame the benefits in their daily challenges.”



Constraints sharpen output.

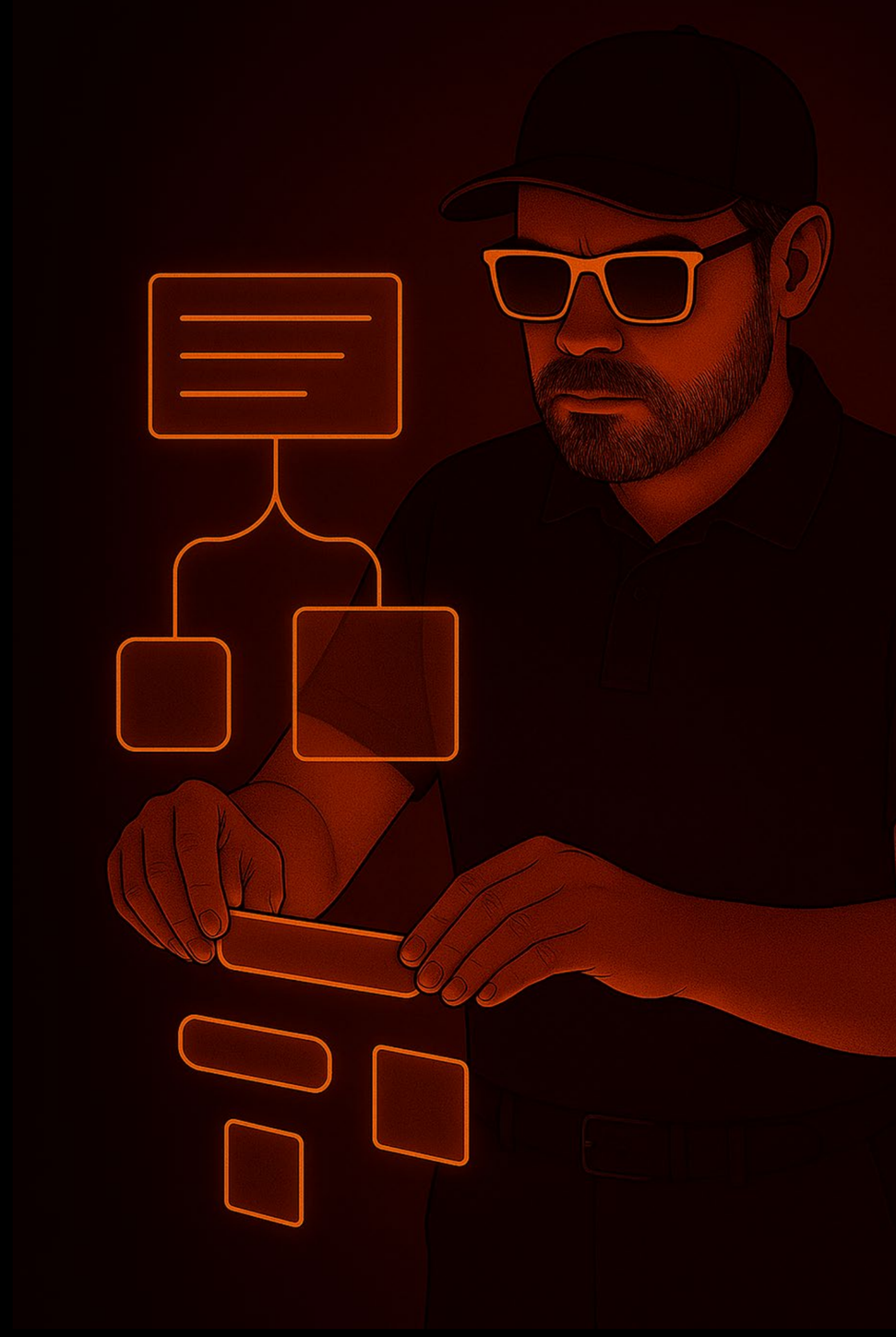
GUARDRAILS SHAPE RESULTS

1. Limit words, tone, style.
2. Cuts noise, stays on target.
3. “Explain in under 50 words using plain, non -technical language.”

Get with the format.

STRUCTURE DRIVES CLARITY.

1. Email, report, chart, script.
2. Format = less editing
3. “Draft it as a short email to a customer, with greeting and sign off.”



Terminal

“You are a COO at a hardwood mill. Write a customer -focused email that explains how our scanner system improves daily operations. Highlight how it solves problems like waste and downtime. Keep it under 50 words, plainspoken, and formatted with a greeting, body, and sign -off.”

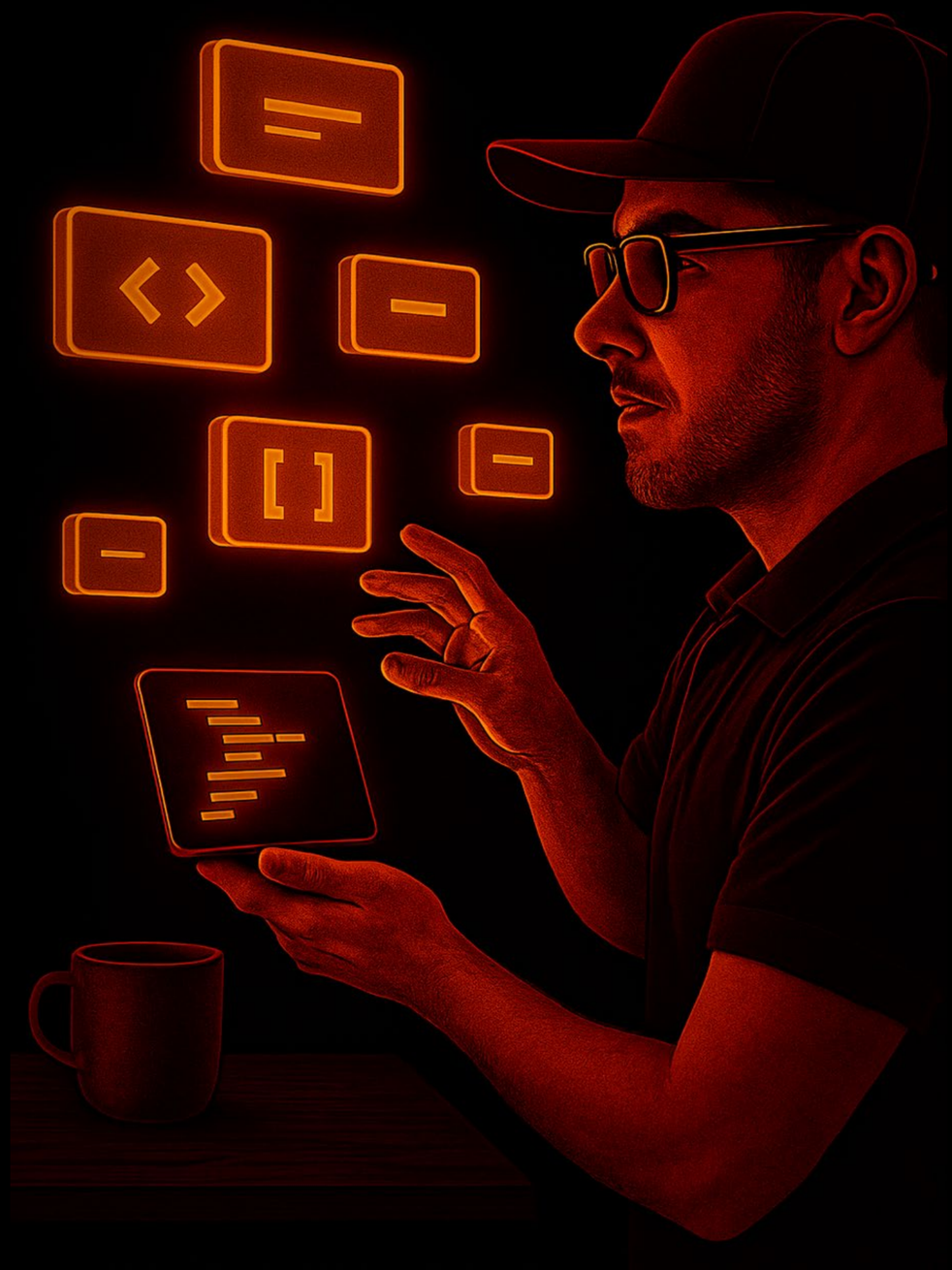
Terminal

Hi [Customer], Running a mill means every minute matters. Our scanner helps your team stay productive by giving precise, real - time data on every log. That means fewer errors, less waste, and more yield from the same inventory. It also reduces costly downtime by catching problems early and keeping operations moving smoothly. Instead of relying on guesswork, your team can make confident decisions that improve both efficiency and profitability. The result: a system that pays for itself in time saved and wood recovered.
Best, [Your Company]

Pulling the levers of context.

PRECISION PROMPTING WITH JSON

1. Javascript Object Notation.
2. Alternative prompting method.
3. Breaks down context into its constituent parts.



Terminal

“Describe this image.”

Terminal

Terminal

Neatly stacked hardwood lumber fills a large, well -lit warehouse with steel beams, palletized bundles, and marked concrete floors.

Terminal

“Describe this image in JSON”

Terminal


```
{
 "title": "Stacked Hardwood in Warehouse",
 "description": "A large industrial warehouse filled with neatly stacked bundles of hardwood lumber.",
 "location": "Indoor warehouse",
 "environment": {
  "floor": "Smooth concrete with yellow safety lines",
  "ceiling": "Exposed steel beams with overhead fluorescent lighting",
  "lighting": "Bright, evenly lit from overhead fixtures",
  "structure": "Steel frame construction"
 },
 "lumber_details": {
  "material": "Hardwood boards",
  "stacking_method": "Stickered and palletized",
  "stack_shape": "Uniform rectangular blocks",
  "visible_stacks": {
   "width": 4,
```

Prompting with JSON.

GIVE AI A RECIPE TO FOLLOW

1. JSON is a tidy way to organize info.
2. Labels and values in brackets.
3. Works with all media types not just images.
4. Identify levers to pull.

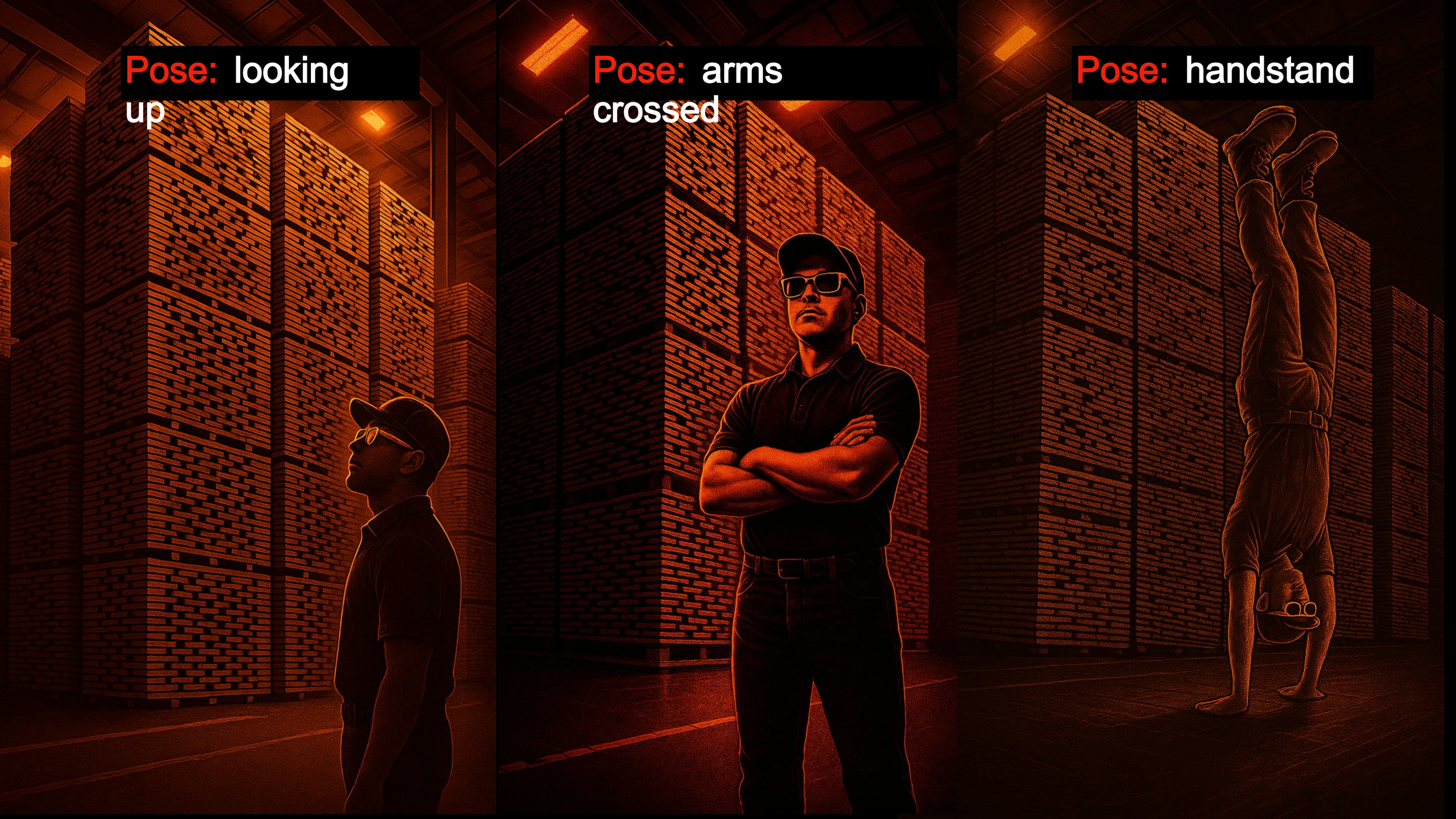
Terminal

“Change style to neon noir, retro comic book, high contrast, digital illustration.”

Terminal

Terminal

“Add a character , the man in the yellow sunglasses, into the scene in the foreground with the following pose .”


Pose: looking up
Pose: arms crossed
Pose: handstand

Terminal

“Remove the character and recreate the scene with different lighting .”


Lighting: soft ambient


Lighting: neon noir


Lighting: high contrast glowing shadows

Deep Research is the upgrade.

LOAD MORE, GET MORE

1. Quick prompt = top of mind reply.
2. Deep research = deep, reusable context.
3. Context = stronger results.

Terminal

"What are the most effective uses of AI and scanning technology in modern mills, and what ROI have they delivered?"

Terminal

AI and Scanning in Modern Mills.pdf

Open with Preview

The Intelligent Mill: An Analysis of AI and Advanced Scanning Applications and ROI in Modern Industry

Executive Summary

The convergence of artificial intelligence (AI) and advanced scanning technologies is catalyzing a fundamental paradigm shift across industrial mills. This transformation moves operations beyond reactive, asset-heavy models to proactive, data-driven ecosystems. In sectors such as steel, lumber, and pulp and paper, these technologies are not merely incremental improvements but are redefining the core principles of production, maintenance, and value creation. The primary value drivers are distinct to each industry's core challenges: risk mitigation and asset integrity in steel; raw material value maximization in lumber; and process stability with quality assurance in pulp and paper.

The business case for adoption is compelling, supported by significant and quantifiable returns on investment (ROI). Steel mills implementing AI-powered predictive maintenance have documented ROI figures ranging from 5x to 15x, with one facility achieving $40 million in annual value creation.[1] In the lumber industry, automated grading systems yield such direct value uplift that payback periods are often less than six months.[3] Meanwhile, comprehensive digital transformations in pulp and paper mills have resulted in sustained 4 to 5 percentage point increases in EBITDA, driven by enhanced throughput and process stability.[4]

While the technological potential is immense, realizing this value is not without challenges. The primary barriers to successful implementation are not technological but organizational. They revolve around establishing robust data infrastructure, strategically upskilling the workforce, and committing to the comprehensive change management required to transition from traditional practices to a culture of data-driven decision-making.

Section 1: The Technology-Driven Transformation in

Think like Neo. Load the program.

- CONTEXT MAKES IT STRONGER

1. Deep research = knowledge objects
2. Your PDFs, notes, or links.
3. AI can now use tools, too.

Ask better, think better.

IT ALL STARTS UPSTREAM

1. Prompting = teaching
2. Success needs definition first.
3. Clear intent guides clear answers.

Use what works, then make it yours.

LEARN FAST, ADAPT FASTER.

1. Most advice is anecdotal.
2. Models shift, rules change.
3. Mystery is part of the process!

Answering your questions.

YOUR TURN

Stay connected

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