



AUTHENTISE

From Engineering Context to Governed Action

Agentic AI for Reliable Manufacturing Workflows

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WARS

PANDEMIC

POLITICS

ACCIDENTS

Agility Matters

Supply Chain disruption is just one reason.



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- A part is unavailable
Critical components delayed or discontinued
- A supplier changes
Vendor switches or capacity shifts mid-cycle
- A requirement moves
Specifications evolve during production
- A process fails
Equipment breakdown or quality issues arise
- A qualification path changes
Regulatory or compliance updates shift the path

Agility fails when the decision context is missing.



Agility depends on knowing:

- why the current design exists
- what constraints were accepted
- which evidence supports the decision
- who approved the tradeoff
- what has to change downstream

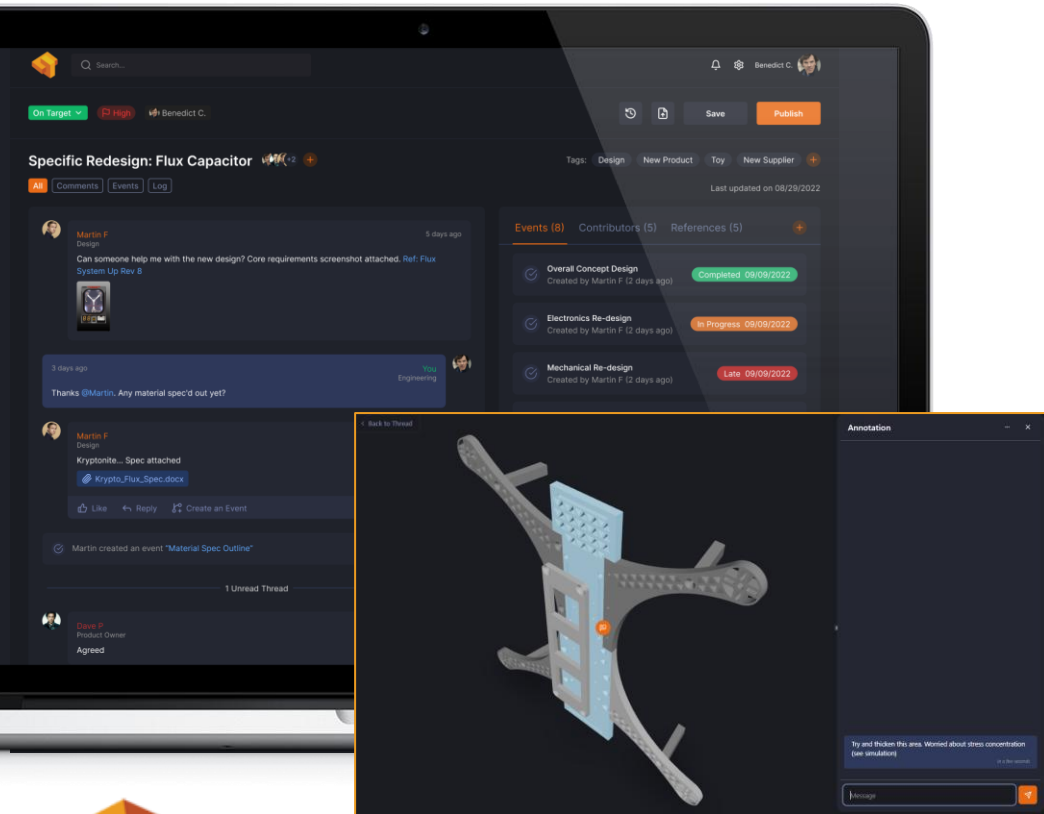
Where Context lives today

-  Email
 -  Video Calls
 -  Whiteboards
 -  Milestone Presentations
- ... and much more

In Manufacturing, context is created by prescriptive tools.
In engineering it isn't.



Agile Engineering & Manufacturing Collaboration



- Enable cross functional teams to easily & flexibly work together
- Features:
 - Generate Threads for each sub-task, always tie in the right people
 - Instant communication
 - Share documents & reference
 - Annotate 3D models in real time
 - Identify Events as they happen, review visually
- Backed by AI – analyse all your data with Large Language Model
- Custom designed for engineering



INERTIA WINS



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Why another UI will not fix this



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- Even if companies adopt, their partners may not
 - or they could have a ton of other data about the project behind the scenes
- Everybody has an existing processes and software they use – everybody has inertia.

The next layer has to work behind the tools teams already use.

Case Study: Blades for US Air Force/NASA NFAC



- Blades for the World's Largest Wind tunnel @ NASA AMES, Mountain View:
 - Authentise Primed projects & deployed AI Tools
 - 5 subcontractors, \$14m project

Captured 2,500 conversations, 200+ documents and more, leveraging AI:

- Beat MBSE consultant in Risk Assessment
- “Night & Day” difference in project management, according to Air Force PM’s



Authentise's AI Learning Curve

- Technical knowledge access
- 12,000 journals and standards, accessed through GPT

2023: 3DGP

2024:  THREADS

- Learning the value of contextual data.
 - ThreadsBot: Context Search & Events
 - ThreadsDoc: First-draft TDPs & reports

- Context capture and governed action
- Capture, structure, govern and act through existing workflows

2026:  WHISPER

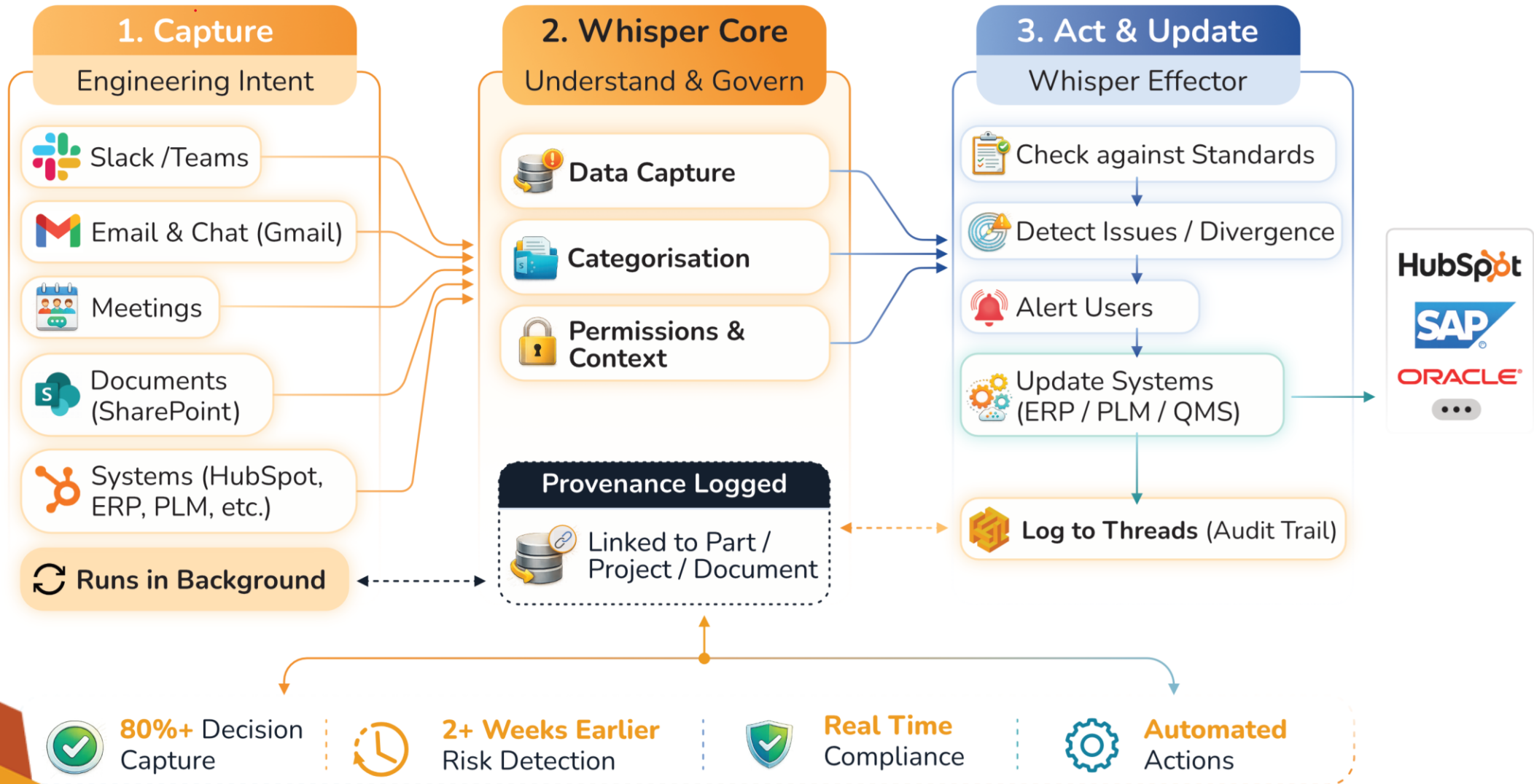
 FLOWS Production use cases such as ingesting test results, generating reports and more

Whisper: From Engineering Collaboration to Governed Action

Capture intent → Understand & Govern → Act & Update Systems



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Demo 1: Interacting with Whisper via Slack



A screenshot of a Slack channel named "#engineering" on the Authentise platform. The channel has 22 members and is a general chat for technical questions and occasional complaining. A document titled "2026 - Sprint Eng Retrospective" is shared, dated Thursday, March 19th. The document includes a "Review Template" for "CW00 - 2026 - Template" with a table for mood and goal alignment. Below the document, a Slackbot reminder is shown for Friday, March 20th at 1:33 PM, asking users to review and estimate stories for the current and next sprint. The interface includes a sidebar with navigation options like Home, DMs, and Channels, and a message input area at the bottom.

Click to check out Video

Demo 2:

Checking background against Standards



A screenshot of the Authentise web interface. The interface is light green and white. On the left is a vertical sidebar with a gear icon at the top, a plus sign, and several other icons. The main content area is divided into three sections. The first section is titled "Indexing Statistics" and contains four data points: "CHANNELS" with a value of "2", "MESSAGES" with "2037", "CHUNKS" with "3737", and "LAST SYNC" with "3/23/2026". The second section is titled "Agent Tools" and has a "4 of 4 enabled" badge. It contains four tool cards, each with a checked checkbox: "Fetch Thread" (Retrieve the full reply thread for a Slack message...), "Search Messages" (Live keyword search across the Slack workspace...), "Channel History" (Fetch the most recent messages from a specific Slack channel...), and "Request Channel Access" (Signal that the bot needs to be invited to a channel...), which also has a "Human review" warning icon. Below the tools is a "Save Tools (4)" button. The third section is titled "App Manifest" and has a "Copy App Manifest" button. It contains text about updating a Slack app and a "Preview manifest JSON" link. At the bottom, there is a "Setup steps" section with a partially visible list of instructions.

Click to check out Video

What other Productivity Gains can Whisper Enable




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1 Keep Project Data & Tools Up to Date — Automatically



Whisper captures real-time intent and decisions from chats, emails, meetings and documents, then keeps your ERP, PLM and project management tools accurate and current.

2 Turn Engineering Conversations into Actionable Work



design-review

Action: Review mounting spec

TASK CREATED	
Title	Review mounting spec
Owner	@Alex
Due	May 24
Status	To Do

Whisper detects tasks, decisions and risks in natural conversations and creates or updates action items in your project management tools — with the right context, owners and due dates.

3 Generate Reports, TDPs & Compliance Artifacts Instantly



Whisper organizes and summarizes relevant context to produce accurate project summaries, technical data packages, audit trails and compliance reports in minutes — not days.

4 Surface Issues & Risks Early from Distributed Signals




By connecting dots across tools and conversations, Whisper identifies anomalies, blockers and emerging risks early — so teams can act before small problems become big ones.

5 Accelerate Onboarding & Knowledge Transfer



Whisper builds a living, searchable knowledge graph of your engineering work, making it easy for new team members to understand context, decisions and history — without asking around.

6 Capture & Preserve Engineering Intent for the Long Term

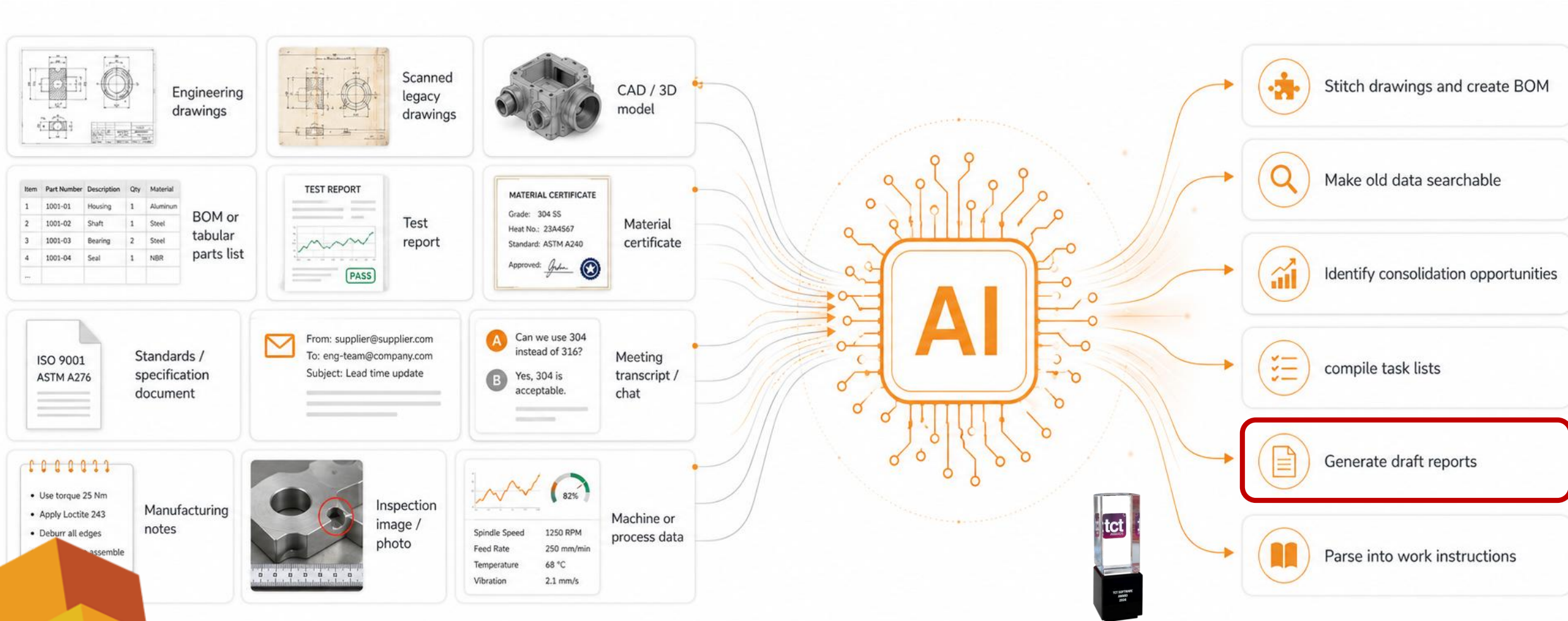


Whisper continuously captures the why behind decisions, constraints and trade-offs, preserving institutional knowledge and creating the foundation for future analytics and generative design tools.

Making it practical: Reverse Engineering



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Case Study



Saving Boeing
\$8,100,000
in the first year
of deployment

- Backlog of ~200 Parts
 - Reduction of 90% on 120-150h
 - Highly qualified engineers at ~\$300/hour
-  Does not eliminate human review



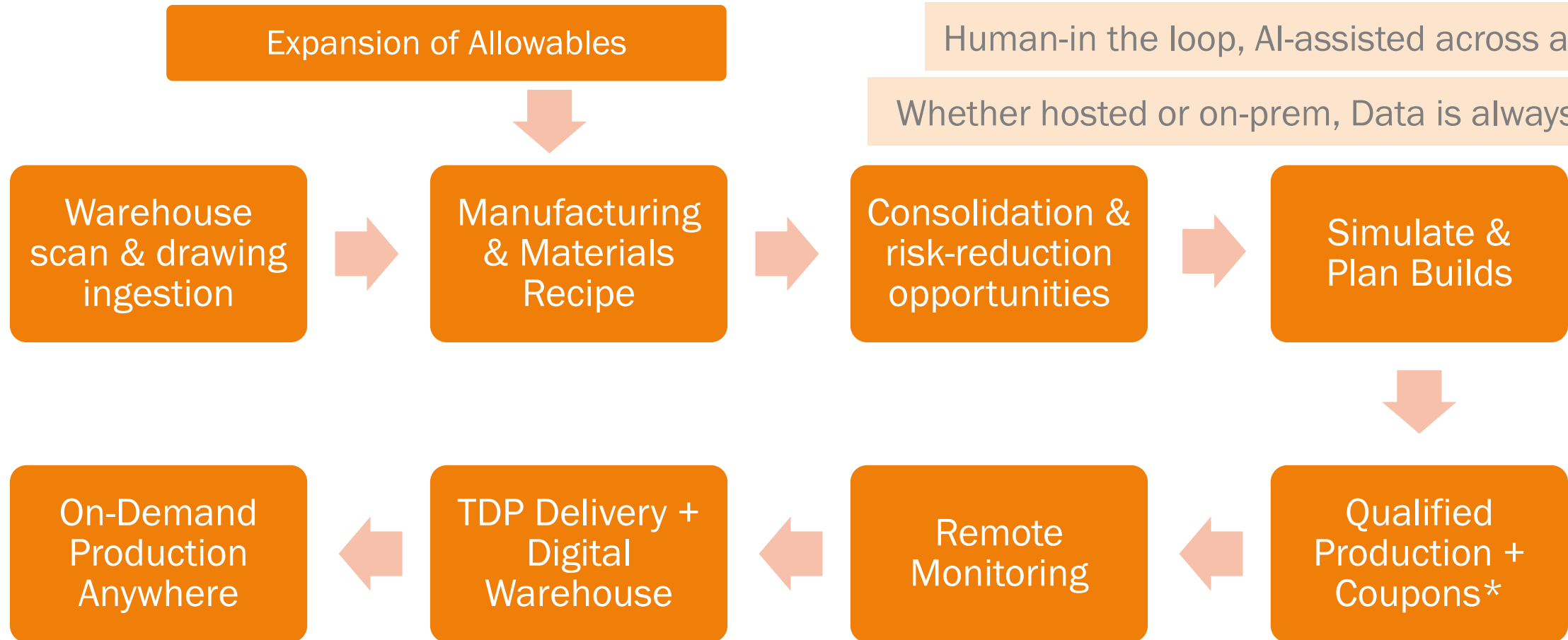
AI-Powered Requirement-to-Deployable Part Pipeline

Process Table

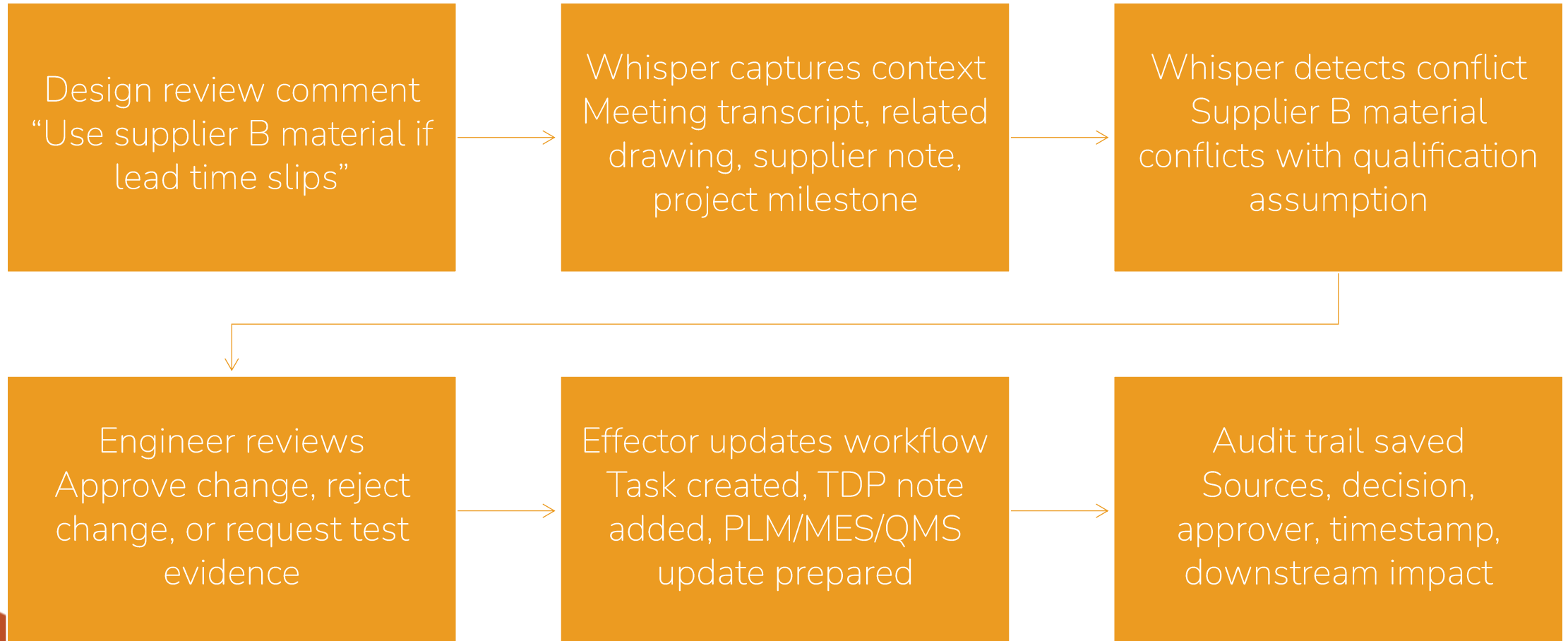
Modular: Engage us for one step or the full pipeline.

Human-in the loop, AI-assisted across all steps

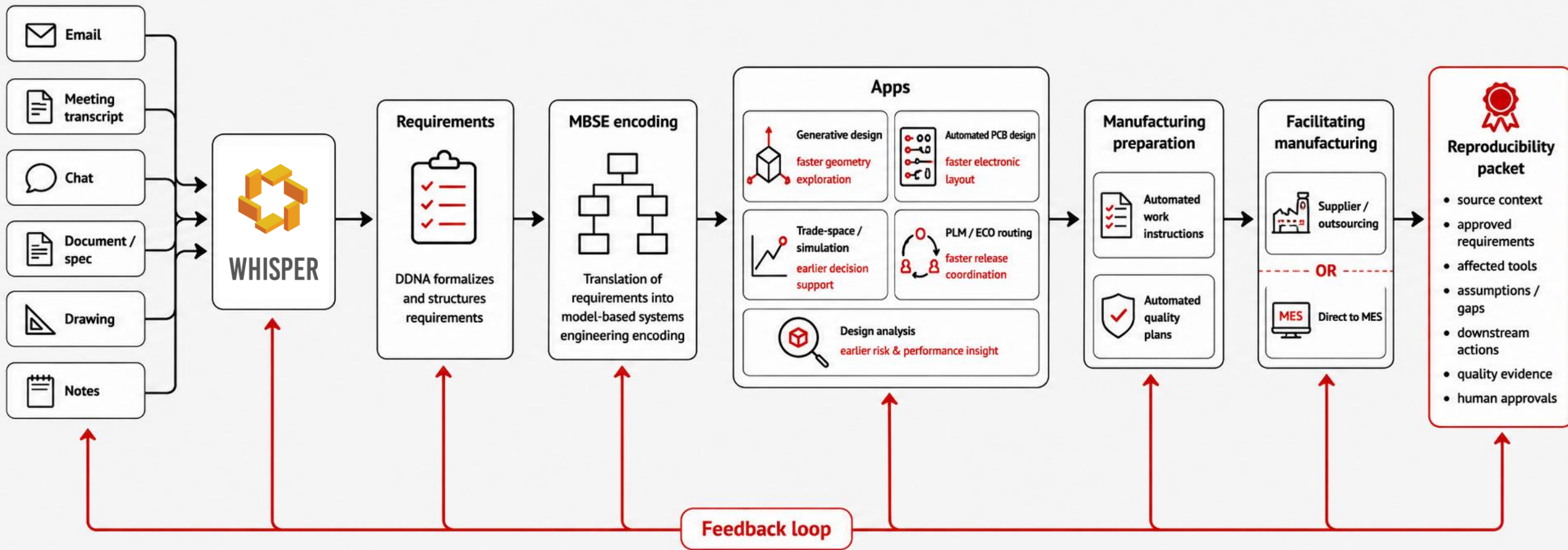
Whether hosted or on-prem, Data is always yours.



What happens when context becomes actionable



Delivering End-to-End Human Engineering Augmentation



Hierarchy + Human-in-the-Loop = Governed Action



AUTHORITY IS A HIERARCHY

Not a search ranking.



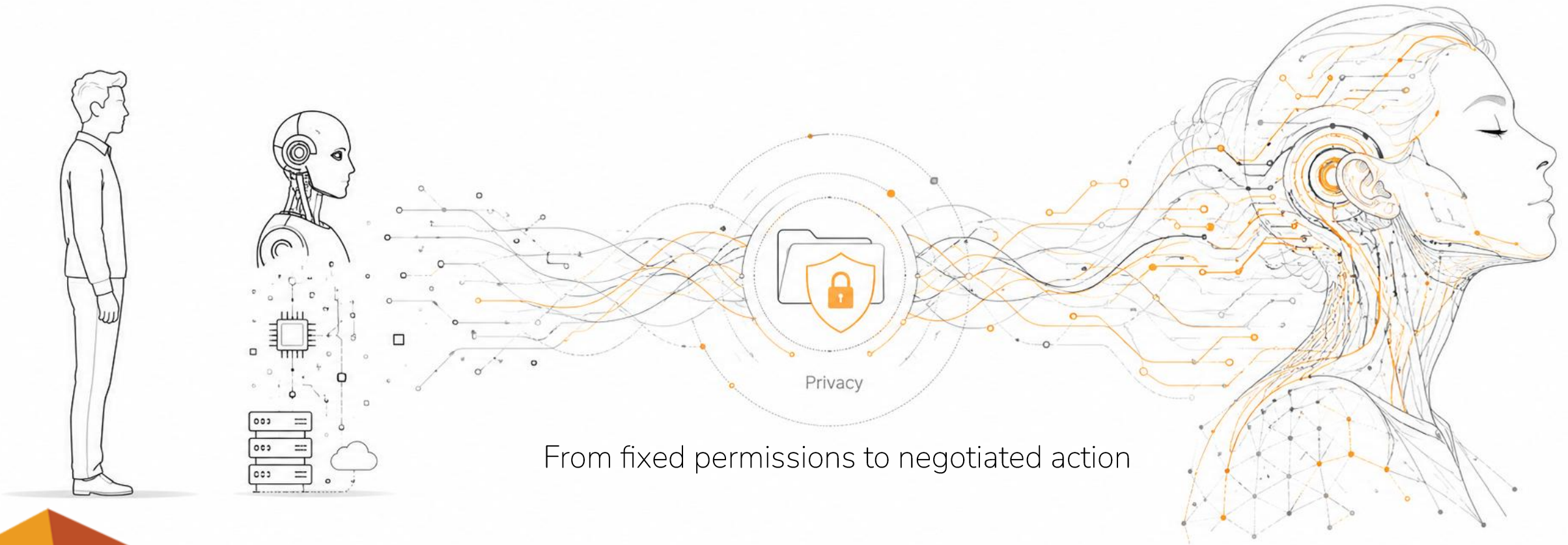
AI PROPOSES — ENGINEERS APPROVE

Nothing enters a baseline without a human gate.

- 1 AI proposes**
Suggests candidate requirements, changes, test cases
- 2 Engineer approves**
Reviews, edits, accepts. The human gate is the law.
- 3 Logged & traceable**
Decision, reasoning and source linked to the baseline.
- 4 Replayable**
Full chain auditable and re-runnable when upstream changes.

This is the boundary between decision support and governed action.

Human-AI teaming is becoming less binary



From fixed permissions to negotiated action

Trustworthy manufacturing AI is a workflow property



Permission handling: Was the data allowed to be used?

Context capture: Was the right context available?

Evidence backing: Can each claim trace to a source?

Human gate: Was approval required at the right point?

Tool actions: How do we make it easy & safe to interact with apps?

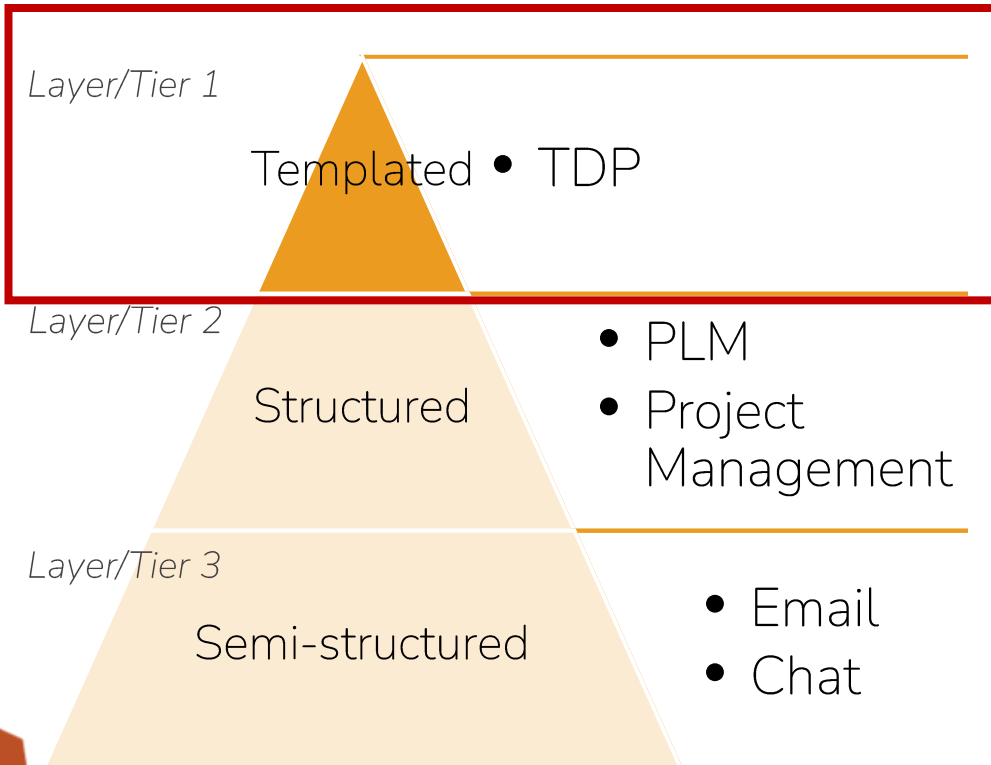
Replayability: Can the decision be reconstructed later?

These are the critical questions to answer in this session

How can we measure success: Adaptable Repeatability

Current Requirement

We currently require this data



Future Requirement

Layer/Tier 1

Templated • TDP

Layer/Tier 2

Structured

- PLM
- Project Management

Layer/Tier 3

Semi-structured

- Email
- Chat

We should be capturing sufficient Tier 2+3 data to reconstitute TDP on demand



Closing the loop from signal to safe flight





Let's Work Together

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