



CATHA CONSTRUCTION AI FIELD GUIDE 04

Human-in-the-Loop Checklist for Construction AI

Put the right human at the right decision

For general contractors, specialty trades and construction-focused operators

Use this tool on one real construction workflow. The objective is not to add AI everywhere; it is to find where AI can improve a measurable outcome while preserving qualified human judgment and clear accountability.

Review questions

- Is the reviewer qualified to judge the output?
- Can the reviewer see the source evidence?
- Is review required before an external or authoritative action?
- Does the reviewer have enough time to perform meaningful review?
- Are contractual, pricing, payment and safety decisions explicitly retained by people?
- Is there a clear escalation path when the AI is uncertain?

Construction decision rule

Use the least expensive, least privileged and least complex AI approach that can reliably improve the construction outcome. Increase intelligence, access or autonomy only when measured evidence shows the simpler approach is insufficient.