



CATHA CONSTRUCTION AI FIELD GUIDE 03

Map the Construction Workflow Before You Add AI

A simple pre-automation worksheet

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.

Map these steps

- Trigger: what starts the work?
- Inputs: documents, emails, system records, photos or notes.
- Human decisions: what requires judgment?
- Rules: what is deterministic?
- Outputs: what is produced or changed?
- Exceptions: what breaks the normal path?
- Authoritative systems: where must the final record live?
- Approval points: what cannot be delegated?

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.