



CATHA CONSTRUCTION AI FIELD GUIDE 05

30-Day Construction AI Pilot Plan

Prove value on live work without over-scaling

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.

Week 1 - Define

- Choose one workflow, owner, baseline and target.
- Document data/access and human approvals.
- Create representative test cases.

Week 2 - Build

- Configure the smallest useful solution.
- Test normal cases and exceptions.
- Log failures and review burden.

Week 3 - Pilot

- Use with a small group on real but bounded work.
- Keep rollback and human approval.
- Measure cost, speed, quality and adoption.

Week 4 - Decide

- Compare to baseline.
- Fix root causes.
- Scale, revise or stop based on evidence.

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.