



CATHA CONSTRUCTION AI FIELD GUIDE 09

Construction AI Failure & Recovery Playbook

What to do when the system gets something wrong

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.

Immediate response

- Stop further automated action.
- Preserve logs, prompts, source data and system state.
- Determine whether project/customer/financial data was changed or exposed.
- Notify the workflow owner and security/management as appropriate.
- Correct the business record through the authoritative system.
- Identify root cause: model, data, prompt, integration, permission, retry or human process.
- Add or change a control before restart.
- Retest the failure case and related scenarios.

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.