



# AI Adoption Guide for Construction Leaders

The key to developing a successful AI strategy is aligning AI with business objectives and long-term growth. Ask yourself: What kind of company are we becoming — and what role will AI play? Use this checklist to help shape your strategy.

1

## Define success before you deploy.

Clarify the top 2–3 strategic outcomes AI should support. Common examples include:

- Reduction in project delays
- Improving jobsite safety
- Automating bid estimation

→ **Action Step:** Align tech choices with strategic business goals.

2

## Identify pain points and gaps.

Identify high-friction workflows and inefficiencies AI could alleviate. Include perspectives from field, operations, finance, and IT.

→ **Action Step:** Inventory teams and data resources to target AI opportunities with the most significant ROI.

3

## Ensure infrastructure readiness.

Review existing tools for interoperability, scalability, and cloud-readiness.

Look for:

- Integration gaps with legacy or niche construction software.
- Measurable KPIs like time saved, change order accuracy, or predictive maintenance.



**Almost 50% of construction organizations use manual methods for daily operations. Transitioning to integrated systems can significantly enhance efficiency and data quality.**

→ **Action Step:** Conduct a systems audit, including a “keep, retire, replace” matrix to streamline decision-making.

**Garbage in,  
garbage out:**



**When it comes to data and AI, you get what you put into it. Flawed, biased, or poor-quality data will return unreliable or incomplete information.**

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### Align Your Tech Stack and Your People.

Match tools to workflows and train internal champions.

Consider:

- Prioritizing platforms that offer open APIs and AI integration pathways.
- Evaluating existing vendors' roadmaps; some may already offer AI-powered features.
- Mapping AI opportunities to core workflows.
- Creating a cross-functional team to guide AI adoption



22% of construction professionals feel unsure if their current tech stack is right.  
Don't layer AI on chaos.

→ **Action Step:** Adopt digital tools that facilitate real-time data collection and analysis across all project phases.

5

### Establish a single source of truth.

Standardize data collection to reduce budget overruns and inefficiencies.



Efficient data capture and standardization can result in a 13% savings on total construction project spending.

→ **Action Step:** Adopt digital tools that facilitate real-time data collection and analysis across all project phases.

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### Protect your digital assets.

Secure data and comply with regulations by:

- Updating cybersecurity protocols.
- Training employees on best practices.
- Ensuring AI systems meet safety and privacy standards.

→ **Action Step:** Develop a comprehensive cybersecurity strategy that aligns with your goals.

## Ready to Take the Next Step?

At Eide Bailly, we help construction firms modernize with confidence. Let's talk about what's next.

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