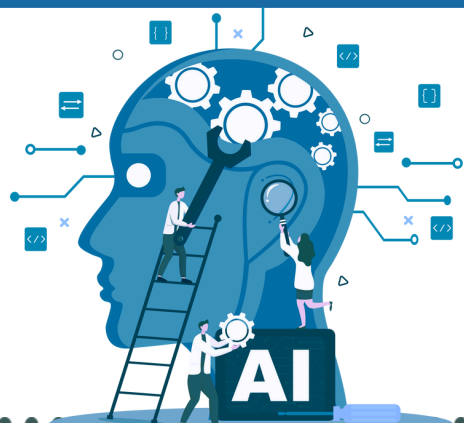


# PATH TO PREDICTIVE INTELLIGENCE



AI has emerged as a game-changing technology in project controls and management, but many companies struggle to implement AI in meaningful and impactful ways. LoadSpring's 10-step methodology to predictive transformation is an outcomes-based implementation framework that can be used repeatedly to solve business problems quickly without draining limited resources.

## KEY QUESTIONS FOR ANALYSIS

### What questions need to be answered?

Define your business problem. What needs improving or what challenge needs to be solved?

### What analytics are required?

Determine the tools, techniques, and processes needed to analyze and interpret data so you can answer your questions.

### What data inputs are necessary?

List the data sources required to feed the analytics (e.g., sales data, customer feedback).

### What specific pieces of data are required?

Determine the data you need to feed your data inputs.

### Where is the base data located?

Identify the locations and formats of the data (e.g., databases, spreadsheets).

## ANALYZE BACKWARDS: START WITH YOUR GOALS

- **Start by focusing on specific results.** Define business goals with measurable outcomes such as increase job site productivity by 20% or reduce operational costs by 15%.
- **Work backwards.** Identify the base data and sources required for analysis, then build tailored solutions based on this analysis.
- **Gain efficiency through focus.** This approach ensures resources are used more efficiently, minimizing wasted time and money.

## BUILD FORWARDS: CREATING ACTIONABLE SOLUTIONS



## THE IMPORTANCE OF DATA QUALITY IN AI DESIGN

- AI effectiveness rests heavily on the quality of data it processes making data transformation the foundational first step in any AI initiative.
- AI algorithms learn from data, and if the data is flawed, the outcomes and the associated model learnings will also be flawed.
- When data quality is compromised, AI systems are at risk of producing inaccurate, biased, or even dangerous results at lightning quick speeds.

## AVOIDING COMMON PITFALLS IN AI DEPLOYMENT & USE



Focus on collecting only relevant data needed for analysis; too much data can lead to complexity and inefficiency.

Ensure all stakeholders understand and agree on objectives to avoid wasted resources.



Regularly review and adjust AI systems to adapt to changing needs, ensure continued data quality, and avoid "data drift."

## A RELIABLE METHODOLOGY FOR AI SUCCESS

By defining clear goals, understanding target outcomes, identifying and cleaning relevant data, and tailoring AI solutions to specific results, companies can avoid common pitfalls and achieve more successful, impactful AI deployments.



- **Create**  
Create your data with the right governance.
- **Collect**  
Gather the necessary data from identified sources.
- **Cleanse**  
Clean and validate collected data.
- **Connect**  
Connect the data together inside the analytics.
- **Convert/Calculate**  
Run the analytics to develop the answer to the question originally asked.

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