

# AI-POWERED PRECONSTRUCTION SOLUTIONS FOR THE CONSTRUCTION INDUSTRY



**PREPARED FOR: CHARLES ESTEVES — CONSIGLI CONSTRUCTION**

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## AI SOLUTIONS

AI Solutions use machine learning and smart algorithms to automate tasks, solve problems, and power intelligent chatbots for natural, efficient user interactions.

[www.orblogic.com](http://www.orblogic.com)

# OVERVIEW

At Orblogic, we specialize in building tailored AI solutions that streamline complex business workflows. For the construction industry, particularly in preconstruction phases, our AI tools can enhance efficiency, accuracy, and strategic decision-making in the areas of:

- **Estimating Automation**
- **Bid Leveling Intelligence**
- **Subcontractor Outreach Optimization**

BRINGING IDEAS AND INNOVATION  
TO LIFE THROUGH TECHNOLOGY



# HOW OUR AI SOLUTIONS CAN HELP

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## 1. AI for Estimating

AI models trained on historical cost data, material trends, labor rates, and geographic pricing allow teams to:

- Generate faster and more accurate cost estimates.
- Automatically flag deviations or inconsistencies across bids.
- Predict pricing volatility or risk factors.

### Example Use Case:

A mid-sized GC used our AI-powered cost estimator to reduce pre-bid preparation time by **35%**, improving quote accuracy and cost predictability across multi-trade projects.

## 2. AI FOR BID LEVELING

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AI can analyze, compare, and normalize subcontractor bids by:

- Extracting key line items and categorizing them by scope.
- Identifying omissions, redundancies, and outliers.
- Creating real-time comparison dashboards.

### Example Use Case:

One of our clients deployed an AI bid-leveling engine that decreased manual comparison time by 60% and flagged scope misalignments that were previously overlooked.

## 3. AI FOR SUBCONTRACTOR OUTREACH

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Our AI systems can streamline and personalize subcontractor engagement by:

- Auto-generating bid invites based on trade scope and historical performance.
- Prioritizing vendors using predictive analytics (responsiveness, pricing competitiveness, compliance).
- Tracking communication loops and response probabilities.

### **Example Use Case:**

A construction firm used our AI subcontractor matching tool to improve outreach efficiency—the result: 20% higher bid participation and stronger vendor diversity.

## WHY ORBLOGIC

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**Tailored AI Solutions** – Built around your preconstruction workflows and data environment.

**Enterprise-Grade Accuracy** – Models tuned for minimal error rates and real-world applications.

**Seamless Integration** – API-first approach, compatible with MS Dynamics 365, Procore, and more.