

# Quality control and inspection

Automates quality control inspections for completed flooring installations by capturing photos, running AI analysis, and generating inspection reports. Ensures consistent quality standards and reduces rework costs.

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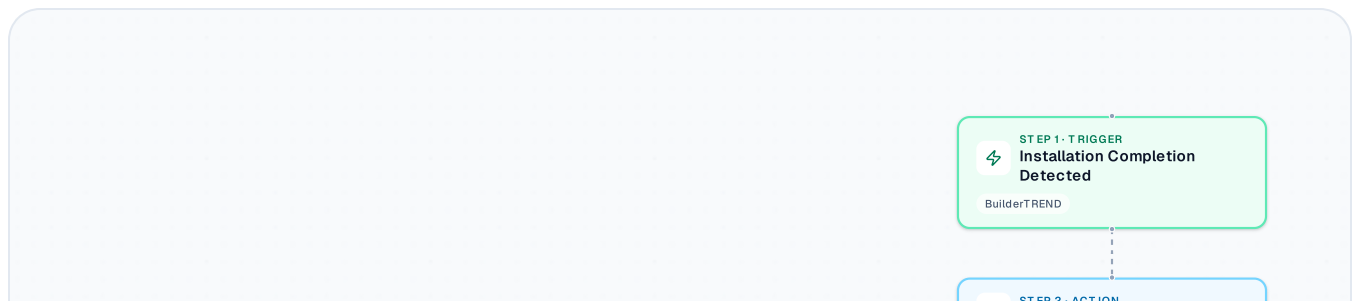
## WORKFLOW TRIGGER

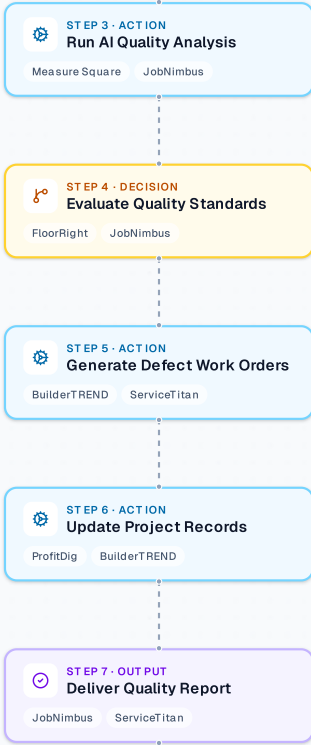


Installation crew marks project as 'Ready for Inspection' in project management system.

## Visual Flow

Each node represents an automated step. Connections show how data and decisions move through the workflow.





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## Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

⚡ TRIGGER

### Installation Completion Detected

Workflow triggers when crew updates project status to completion in BuilderTREND. System automatically schedules quality inspection within 24 hours.

2

 ACTION

### Capture Installation Photos

Inspector uses mobile app to photograph completed flooring work at predefined checkpoints. Photos are automatically uploaded with GPS coordinates and timestamps.

JobNimbus

BuilderTREND

3

 ACTION

### Run AI Quality Analysis

System analyzes photos for common defects like gap spacing, alignment issues, and surface imperfections. Compares against project specifications from Measure Square.

Measure Square

JobNimbus

4

 DECISION

### Evaluate Quality Standards

AI analysis determines if installation meets quality thresholds based on industry standards and project requirements. Routes to approval or defect resolution paths.

FloorRight

JobNimbus

5

 ACTION

### Generate Defect Work Orders

For failed inspections, system automatically creates work orders for identified defects and assigns to appropriate crews. Includes photos and specific remediation instructions.

BuilderTREND

ServiceTitan

6

 ACTION

## Update Project Records

System updates project status, logs inspection results, and adjusts inventory records in ProfitDig. Notifies relevant stakeholders of inspection outcomes.

ProfitDig

BuilderTREND

7

 OUTPUT

## Deliver Quality Report

Generates comprehensive quality inspection report with photos, measurements, and compliance status. Sends to customer and updates project documentation.

JobNimbus

ServiceTitan



## Outputs

- Digital quality inspection report with photos

- Defect work orders for rework items

## AI Business OS



### Key Metrics

- First-pass quality rate
- Average defects per project
- Inspection completion time



### Tools & Integrations

- BuilderTREND
- JobNimbus
- Measure Square
- FloorRight
- ServiceTitan
- ProfitDig

## AI Business OS

Actionable AI implementation strategies for business leaders ready to transform their operations.

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