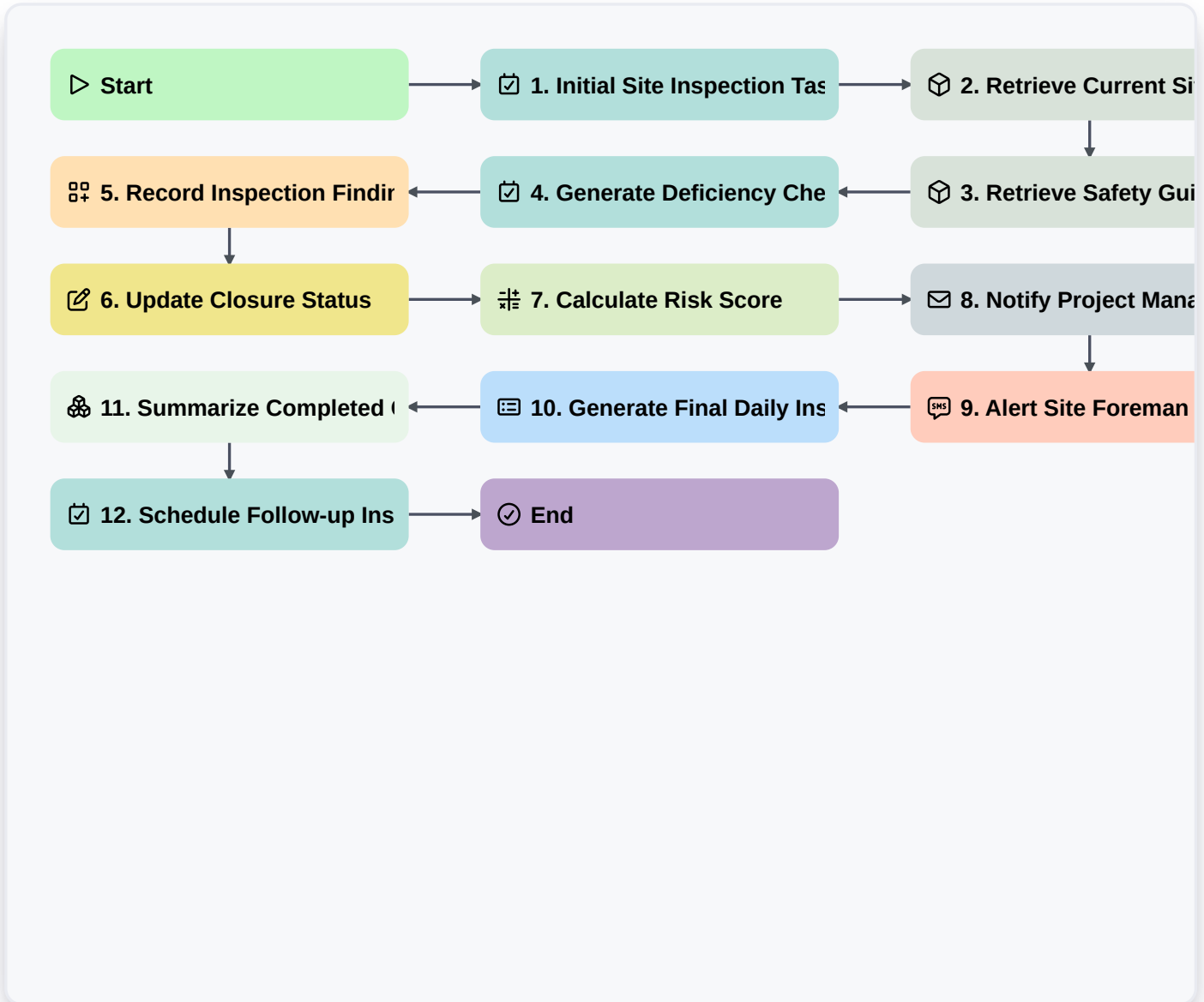


Construction Site Inspection Workflow: Digital Management For Project Quality & Compliance



Start

Start of the Workflow/Process.

1. Initial Site Inspection Task Assignment

Assigns the inspection task to the relevant site supervisor or inspector.

2. Retrieve Current Site Plan Data

Fetches necessary blueprints or site layout data model records for context.

3. Retrieve Safety Guideline Data

Gets the latest required safety standards and regulatory checklists from the data model.

4. Generate Deficiency Checklists

Creates specific inspection tasks based on the retrieved site plan and safety guidelines.

5. Record Inspection Findings

Allows inspectors to create new entries logging observations (deficiencies, completed checks) against a specific task.

6. Update Closure Status

Updates the status of a previously logged deficiency (e.g., 'Open' to 'Closed').

7. Calculate Risk Score

Executes a formula to calculate a site risk score based on severity and number of findings.

8. Notify Project Manager of Critical Issues

Sends an alert email to the Project Manager when a high-severity hazard is recorded.

9. Alert Site Foreman on Immediate Danger

Sends an urgent SMS notification to the site foreman for immediate action required.

10. Generate Final Daily Inspection Report

Compiles all inspection entries, calculations, and tasks into a formal, exportable report.

11. Summarize Completed Checklist Items

Aggregates all 'Pass' entries to calculate the percentage of inspections completed.

12. Schedule Follow-up Inspection

Creates a future task reminder for necessary re-inspections of flagged areas.

End

Start of the Workflow/Process.