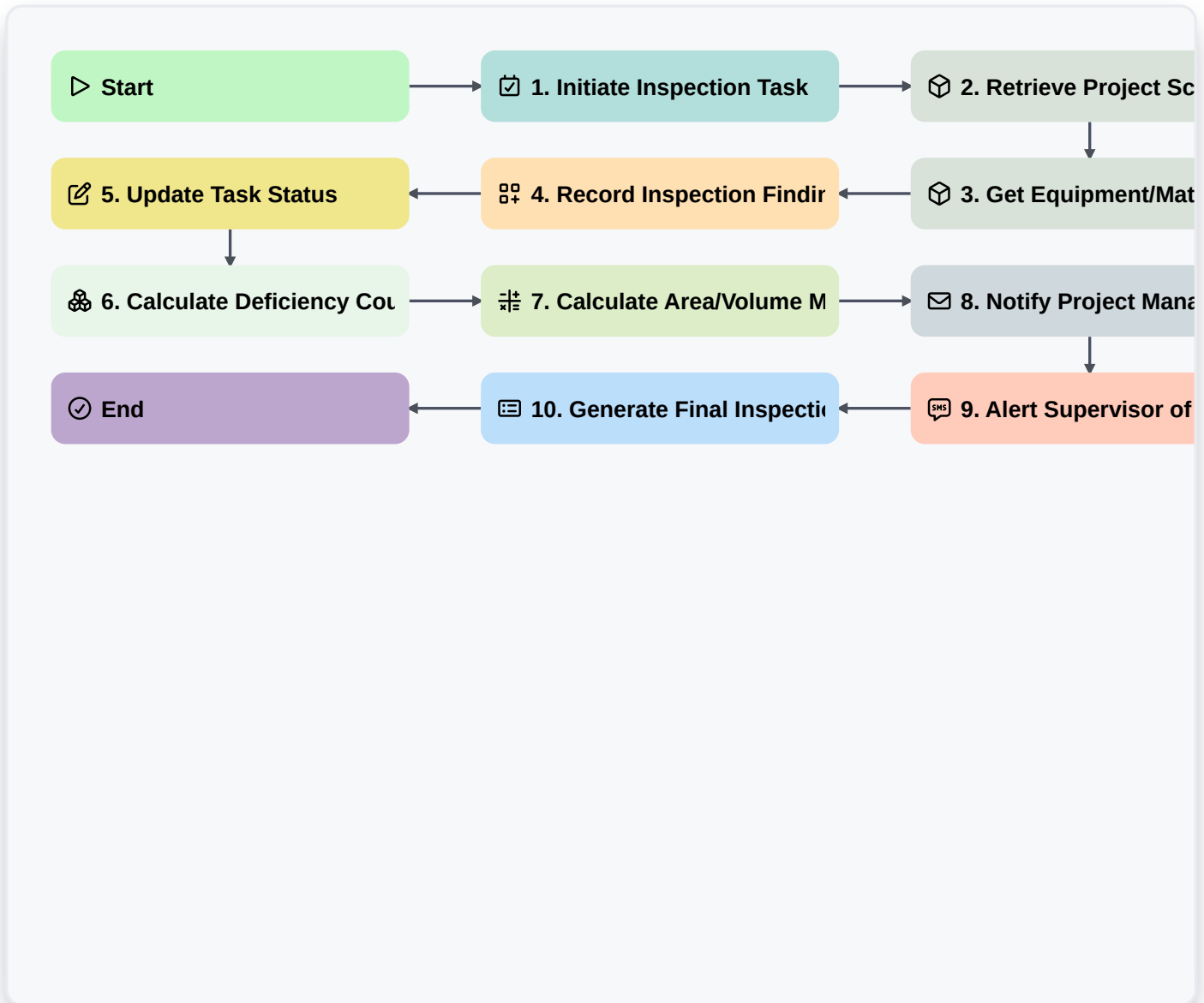


# Construction Inspection Workflow: Digital Field Audits And Progress Tracking



## ▷ Start

Start of the Workflow/Process.

## ☑ 1. Initiate Inspection Task

Create a new inspection task assigned to the relevant site crew or inspector.

## 📦 2. Retrieve Project Scope & Checklists

Fetch necessary project data, required checklists, and scope details from the central data model.

## 📦 3. Get Equipment/Material Inventory Data

Pull current asset lists, serial numbers, or material specifications needed for inspection verification.

## 📋 4. Record Inspection Findings/Observations

Allow inspectors to create detailed, time-stamped entries for observations, defects, or successful checks.

## ✍ 5. Update Task Status

Change the status of the inspection task (e.g., Pending -> In Progress -> Completed).

## **6. Calculate Deficiency Count**

Aggregate all recorded deficiency entries to provide a total count for the final report.

## **7. Calculate Area/Volume Measurements**

Execute formulas to calculate required dimensions or volumes based on recorded measurements (e.g., total linear feet inspected).

## **8. Notify Project Manager of Completion**

Automatically email the Project Manager upon submission of the final inspection report.

## **9. Alert Supervisor of Critical Failure**

Send immediate SMS alerts to the Site Supervisor if a critical, safety-related defect is logged.

## **10. Generate Final Inspection Report**

Compile all gathered data, findings, calculations, and photos into a standardized, signed-off report.

## **End**

Start of the Workflow/Process.