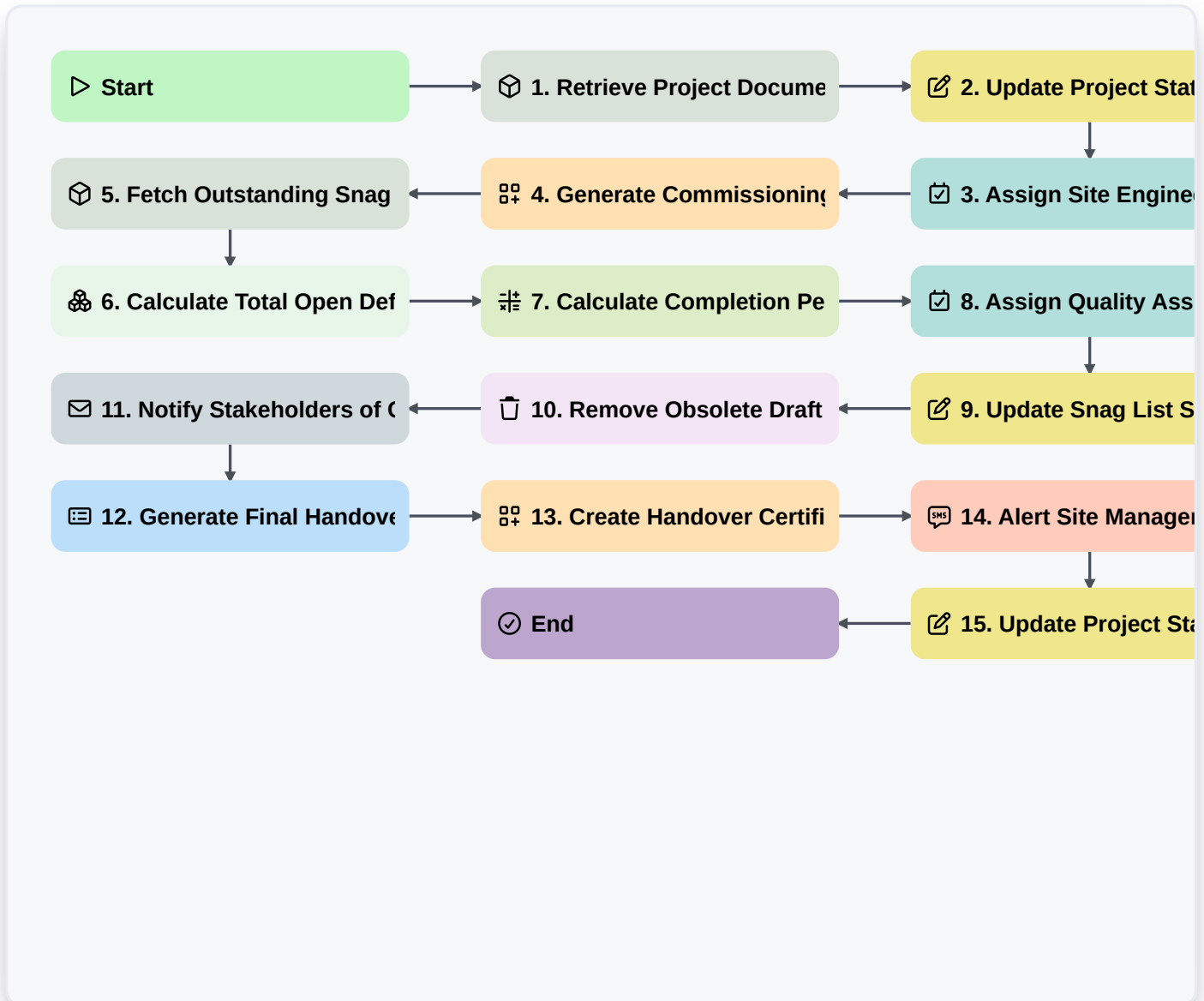


Construction Project Handover And Commissioning Workflow



▶ Start

Start of the Workflow/Process.

📦 1. Retrieve Project Documentation

Fetch all completed inspection reports and technical manuals related to the specific construction project.

✍️ 2. Update Project Status to 'Commissioning Phase'

Change the status of the Construction Project entry to trigger the commissioning workflow.

📋 3. Assign Site Engineer Inspection Task

Create a task for the assigned Site Engineer to perform the physical walkthrough and verify equipment installation.

📋 4. Generate Commissioning Checklist

Create a new entry in the Checklist Data Model populated with standard commissioning requirements for the specific asset type.

📦 5. Fetch Outstanding Snag List

Retrieve all unresolved 'Snag' or 'Defect' entries associated with the project.



6. Calculate Total Open Defects Count

Aggregate the number of entries in the Snag List where status is 'Open' to determine if the project is ready for handover.

7. Calculate Completion Percentage

Calculate the ratio of completed commissioning tasks vs total tasks to determine the progress percentage.

8. Assign Quality Assurance Audit

Create a task for the QA Manager to verify that all checklists have been completed and signed off.

9. Update Snag List Status to 'Resolved'

Update the status of all verified defects to 'Resolved' upon successful inspection.

10. Remove Obsolete Draft Documents

Delete temporary or superseded draft versions of manuals from the project documentation folder.

11. Notify Stakeholders of Commissioning Completion

Send an email notification to the Project Owner and Client regarding the successful completion of the commissioning phase.

12. Generate Final Handover Report

Compile all aggregated data, completed checklists, and final inspection results into a formal Handover Report PDF.

13. Create Handover Certificate

Create a new record in the Handover Certificate data model, linking it to the Project and the Final Report.

14. Alert Site Manager of Handover Approval

Send an SMS alert to the Site Manager once the client has digitally signed the handover certificate.

15. Update Project Status to 'Handed Over'

Finalize the project lifecycle by updating the Project entry status to 'Closed/Handed Over'.

End

End of the Workflow/Process.