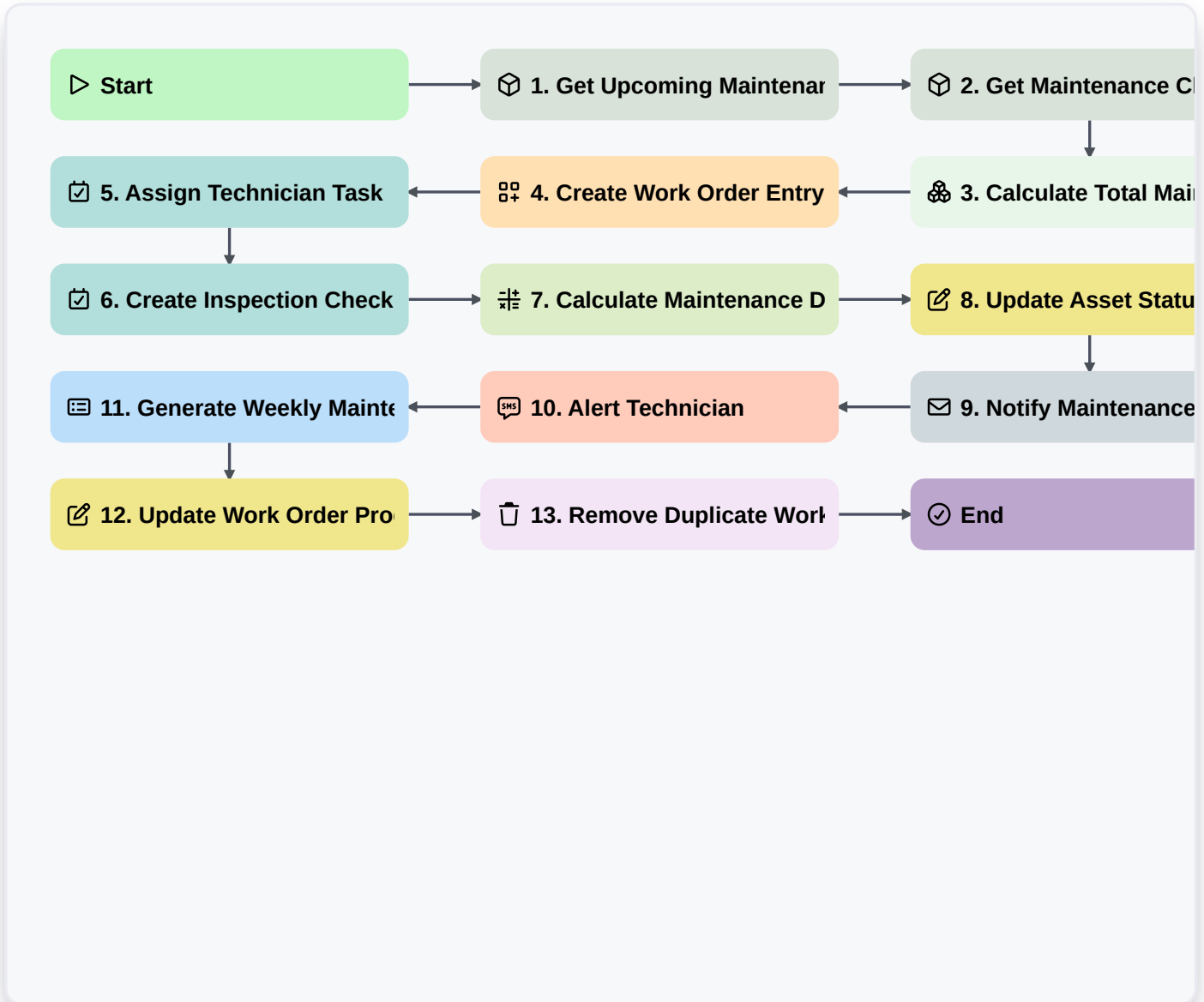


# Automated Preventive Maintenance Scheduling & Work Order Management Workflow



## ▶ Start

Start of the Workflow/Process.

## 📦 1. Get Upcoming Maintenance Assets

Retrieve all assets from the Asset Data Model that are due for their next scheduled maintenance.

## 📦 2. Get Maintenance Checklists

Retrieve the specific maintenance checklists associated with the identified assets.

## 🔗 3. Calculate Total Maintenance Cost

Sum the estimated costs of parts and labor required for all upcoming maintenance tasks.

## 📋 4. Create Work Order Entry

Create a new entry in the Work Order Data Model containing the maintenance details and asset ID.

## 📋 5. Assign Technician Task

Create a task for the maintenance technician responsible for executing the work order.



## **6. Create Inspection Checklist Task**

Create a sub-task for the technician to complete the mandatory safety and operational checklists.

## **7. Calculate Maintenance Deadline**

Calculate the due date by adding the estimated duration to the current system date.

## **8. Update Asset Status**

Update the status of the asset to 'Under Maintenance' in the Asset Data Model.

## **9. Notify Maintenance Manager**

Send an email notification to the Maintenance Manager regarding the newly created work order.

## **10. Alert Technician**

Send an SMS alert to the assigned technician with the Work Order ID and urgency level.

## **11. Generate Weekly Maintenance Schedule Report**

Generate a summary report of all scheduled maintenance tasks for the upcoming week.

## **12. Update Work Order Progress**

Update the Work Order entry status to 'In Progress' once the technician starts the task.

## **13. Remove Duplicate Work Orders**

Delete any redundant or duplicate work order entries created by error during the automation process.

## **End**

End of the Workflow/Process.