

Equipment maintenance scheduling

This workflow automatically schedules equipment maintenance based on usage hours and project completion data, ensuring concrete equipment stays operational and minimizes costly downtime. It integrates with project management systems to optimize maintenance timing around job schedules.

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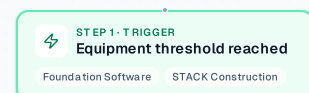
WORKFLOW TRIGGER

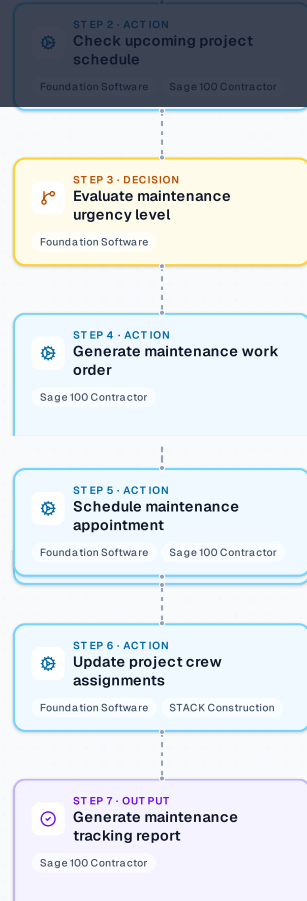


Equipment usage hours reach predetermined maintenance threshold or project completion milestone is logged

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

Equipment threshold reached

System detects that concrete mixer, pump, or finishing equipment has reached scheduled maintenance hours or completed a major pour project.

Usage data is automatically pulled from equipment telematics or manual job logging.

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2

 ACTION

Check upcoming project schedule

System queries project management database to identify scheduled concrete pours and equipment assignments for the next 2-4 weeks. This ensures maintenance doesn't conflict with critical job deadlines.

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3

 DECISION

Evaluate maintenance urgency level

Workflow determines if maintenance is critical (safety/breakdown risk) requiring immediate scheduling, or routine maintenance that can be optimized around project timelines. Decision branches based on equipment condition and usage intensity.

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 ACTION

Generate maintenance work order

System creates detailed maintenance work order with equipment specifications, required parts, estimated labor hours, and preferred service dates. Work order includes equipment serial numbers and maintenance history.

Sage 100 Contractor

QuickBooks Contractor Edition

5

Schedule maintenance appointment

System automatically contacts preferred equipment service vendors or schedules internal maintenance crew based on availability and maintenance window identified. Confirmation and calendar integration occurs automatically.

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 ACTION

Update project crew assignments

Workflow automatically adjusts crew dispatch and equipment allocations for affected projects, ensuring backup equipment or alternative scheduling to maintain project timelines. Crew supervisors receive automated notifications.

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 OUT PUT

Generate maintenance tracking report

System produces comprehensive maintenance schedule with cost estimates, project impact assessment, and equipment availability timeline for management review. Updates equipment maintenance logs and compliance tracking.

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Outputs

- Scheduled maintenance appointments with vendor confirmations
- Updated project schedules with equipment reallocation
- Equipment maintenance cost estimates and budget impact reports



Key Metrics

- Equipment downtime reduction percentage
- Maintenance cost per equipment hour
- Project schedule adherence rate



Tools & Integrations

- Foundation Software
- STACK Construction
- Sage 100 Contractor
- QuickBooks Contractor Edition

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