

# SiteManager

**“Right people. Right equipment. Right on time.”**

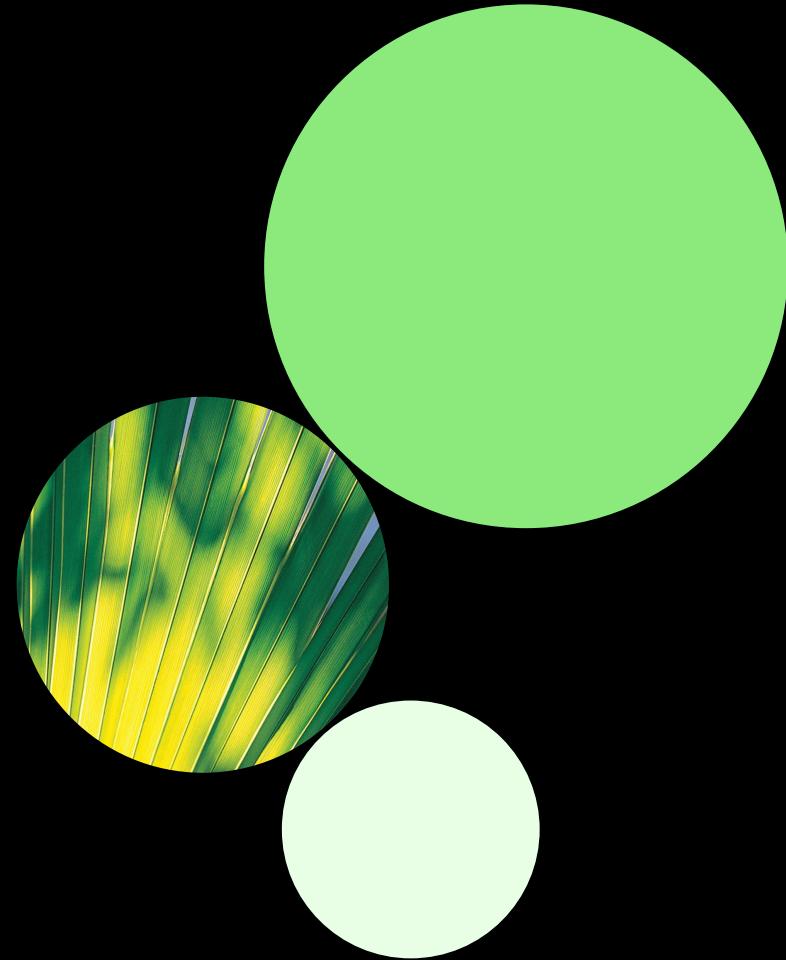


# Concept Video

Human Computer Interface

Semester Project Phase 4

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# Solution Overview

**Construction companies need a digital dashboard to track all projects, employees, and equipment in one place because current systems lack real-time visibility and lead to inefficiencies.**

**Our solution is to create a live map that links to projects and shows exactly which employees, equipment, and materials are needed at each location.**



# Tasks

Easy

Medium

Difficult

**1**

Store the list of heavy equipment and their maintenance records and status, allowing the mechanic to edit as required.

**2**

Store the list of all ongoing projects and allow the foreman to see required equipment/materials and upload progress notes.

**3**

Show all ongoing projects on an interactive map. Each project contains a list of assigned employees, equipment, and materials that can be edited by the manager.

Mechanic

Foreman

Manager



# Storyboard - Intro Scenes

1	Daily Chaos (Intro)	Manager at cluttered desk with papers, maps, sticky notes, and ringing phone.	Every day feels like a juggling act — people, machines, deadlines... it's chaos.	Managing construction shouldn't be this hard.
2	The Problem Gets Worse	Worker on radio looking lost; equipment at wrong site.	Teams and equipment end up in the wrong place — again.	Misrouting = Lost time.
3	Paperwork Overload	Manager flipping through piles of forms labeled 'Maintenance' and 'Delays'.	And all this paperwork? It slows everything down.	Manual tracking = wasted time.
4	Introducing SiteManager	Papers fade; a bright tablet displays the SiteManager logo.	That's when I found SiteManager — a smarter way to stay in control.	Your all-in-one project command center.

# Storyboard - Manager's Task (Difficult)

5	Interactive Project Map	Animated map with icons for workers, cranes, trucks across sites.	Now I can see every project and resource in one clear map.	Visualize your entire operation.
6	Team Reassignment	Manager drags worker icons between sites; updates appear.	Reassigning a crew takes seconds — no calls, no confusion.	Move people where they're needed.

# Storyboard - Mechanic's Task (Easy)

7	Equipment Maintenance & Alerts	Dashboard showing “Oil Change Due” and “Inspection Needed.” Icons turn green.	SiteManager reminds me before problems happen. No more downtime.	Stay ahead of maintenance.
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# Storyboard - Foreman's Task (Medium)

8	Material Tracking	Material list checklist: Cement  , Steel  Pending.	I can even track materials per project, so nothing runs short.	Never lose track of supplies.
9	Daily Logs & Updates	Workers use tablets; progress bars update in real time.	My team logs progress right from the field — updates appear instantly.	Real-time progress tracking.
10	Delay Tracking	Rain animation; worker selects “Weather Delay.” Timeline adjusts.	Even when delays hit, SiteManager helps me stay realistic with deadlines.	Plan smarter, even under pressure.

# Storyboard - Outro Scenes

11	Analytics & Insights	Dashboard with charts: “On-Time: 92%,” “Downtime Reduced.”	Now I get insights that help me plan better for every project.	Make decisions backed by data.
12	The Transformation	Split screen: left (paper chaos), right (organized digital dashboard).	I've gone from firefighting problems to actually leading my team.	From chaos to control.
13	Closing Scene	Manager smiles at active site; cranes and workers in sync.	With SiteManager, everything — and everyone — stays on track.	Right people. Right equipment. Right on time.

# AI Reflection

## Advantages:

- More simplistic, modern feel to the video
- Easy to make scenes that would be tricky to film
- Less time-consuming

## Disadvantages:

- AI video creation free tier is still very limited
- Feels more surface-level
- Must describe exactly what you want each scene to be

# Thank you!

Link to Video:

<https://drive.google.com/file/d/1Aes9c35tDImmmZukLusi-lajrtlnl189/view?usp=sharing>