

# SiteManager

**"Right people. Right equipment. Right on time."**

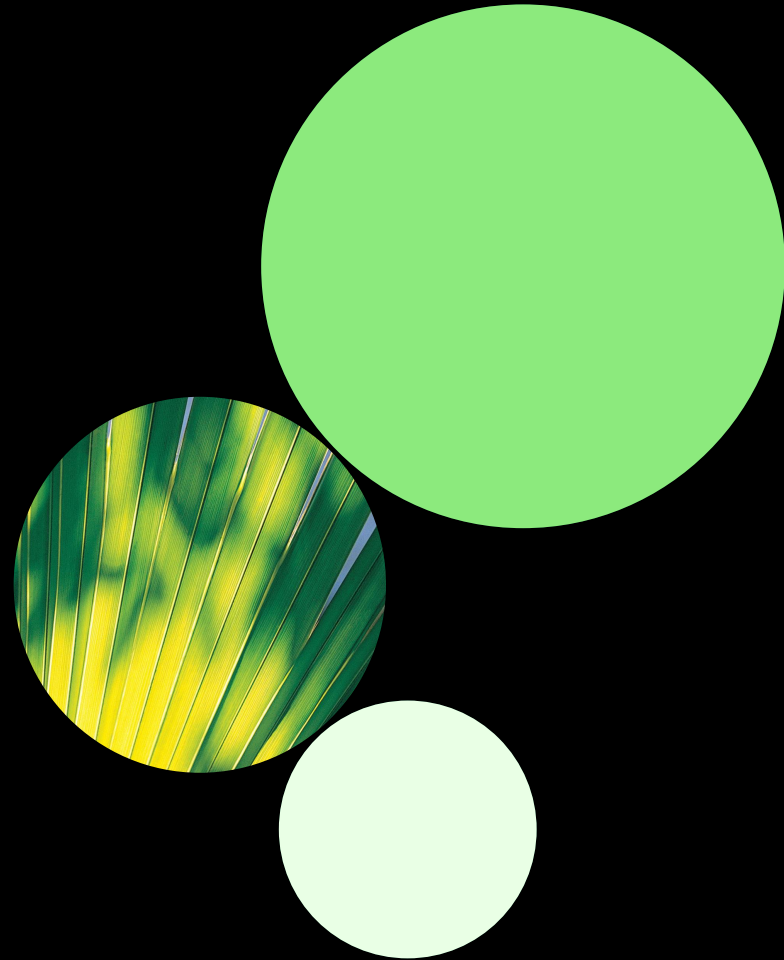


# Concept Video

**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

**1**

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

Mechanic

Medium

**2**

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

Foreman

Difficult

**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.

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. |
|---|--------------------------------|---|--|----------------------------|

# 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>