



The Production Platform – A Mobile Collaboration Hub for Safety in Construction

Project Description:

The “Production Platform” is a Lean initiative that enhances construction site safety by integrating digital tools with traditional safety equipment into a mobile collaboration hub. It streamlines real-time documentation, improves communication, and increases accessibility to safety and production planning materials.

Key Lean Focus Areas:

- ▶ Elimination of waste
- ▶ Visual management
- ▶ Continuous improvement

Actions Taken:

- ▶ Developed a mobile “Production Platform” combining an iPad, printer, and TV
- ▶ Digitalized safety documentation including pre-task plans and work permits
- ▶ Enabled real-time printing and on-the-spot form completion in the field
- ▶ Adapted the platform’s size and features based on user feedback
- ▶ Addressed IT limitations to increase device accessibility

What Worked:

- ▶ Real-time access and printing of safety documentation reduced delays
- ▶ Onsite TV facilitated effective team collaboration and visualization
- ▶ Improved communication and transparency among safety and production teams
- ▶ Increased responsiveness to safety needs and field conditions

Challenges:

- ▶ Difficulty obtaining initial buy-in from superintendents and stakeholders

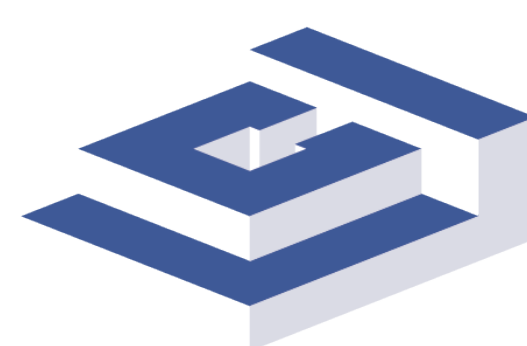
- ▶ First version of the platform was too large for practical field use
- ▶ IT constraints limited shared device access and usability

Advice for others:

- ▶ Gain early support from all stakeholders, especially field leadership and IT
- ▶ Start with a smaller, scalable version to refine the concept before full rollout
- ▶ Emphasize transparency and make critical documentation easy to access in the field

Value Delivered:

- ▶ Improved efficiency and responsiveness in safety and production planning
- ▶ Created a unified hub for documentation, fostering a more collaborative jobsite
- ▶ Increased accessibility to safety processes through technology
- ▶ Elevated the effectiveness of traditional safety practices with real-time digital tools
- ▶ Demonstrated a scalable model for Lean-driven safety enhancement



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