Promoting Safety in Construction Through a Mobile App

Project Description:

Sundt implemented a new safety app through a third-party Job Management System to streamline incident reporting and inspections. The initiative was guided by Lean principles to reduce waste and improve efficiency in safety processes.

Key Lean Focus Areas:

▶ Elimination of waste
▶ Focus on value-added activity

Actions Taken:

▶ Procured and customized a third-party Job Management System
▶ Automated user enrollment and training using the HR platform and YouTube
▶ Integrated intuitive forms and reporting tools
▶ Created accountability mechanisms for platform use

What Worked:

▶ Automated user onboarding saved time and reduced confusion
▶ Intuitive form design improved usability and compliance
▶ Video-based training was easily accessible and scalable
▶ Dashboards and platform usage created clear accountability

Challenges:
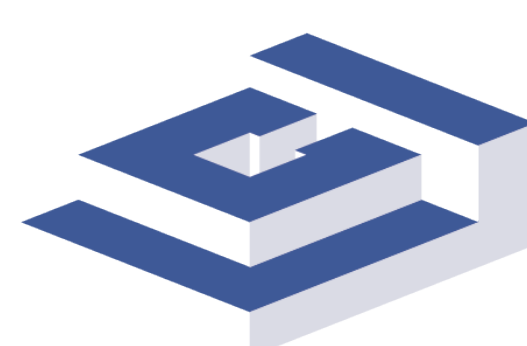
▶ Software glitches appeared after app updates
▶ Initial lack of commitment from some users during rollout
▶ Development delays due to underestimating user behavior and interaction challenges

Advice for others:

▶ Learn the software thoroughly before rolling it out
▶ Take ownership of a smooth and thoughtful implementation
▶ Collaborate closely with developers to tailor the system to real field needs
▶ Observe user behavior directly to identify pain points
▶ Pre-plan dashboard needs to guide platform design

Value Delivered:

▶ Increased efficiency in safety reporting and inspections
▶ Improved user engagement through automated, intuitive tools
▶ Enhanced accountability and transparency in safety practices
▶ Laid the foundation for future digital safety system improvements

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