

SMG3 Use Case



**A Mobile Device Interface
Redesign Can Improve
Efficiency for Manufacturers**

Synopsis

When green-screen mobile devices fall short, a modern GUI upgrade can drive adoption and improve shop floor workflows.

The Challenge

To improve workflows, manufacturers often purchase fleets of rugged mobile devices intended for use on the manufacturing floor. However, these devices can quickly be abandoned as workers return to desktop computers due to usability challenges.

The small green interface text is tough to read, especially through safety glasses, making routine transactions inefficient and frustrating for workers.

The Solution

Upgrade from a legacy green-screen interface to a modern Graphical User Interface (GUI) using SMG3's EmulaTE solution.

SMG3's Role

SMG3's professional services team will conduct a detailed review of the company's workflows and mobile usage challenges and—where appropriate—recommend upgrading to the GUI screen.

SMG3 redesigns the mobile interface using the SMG3 EmulaTE solution. Screen layouts, backgrounds, logos, and icons are optimized to simplify navigation and improve visibility through safety glasses.

The Result

Four key benefits can emerge from the adoption of the SMG3 EmulaTE GUI interface:

1. The updated interface enables widespread, successful adoption of existing mobile devices.
2. Transaction efficiencies improve as workers complete tasks directly at the point of work rather than moving between the floor and desktop computers.



3. With SMG3's interface modernization solution in place, companies can achieve more consistent mobile usage and reduced workflow friction.
4. The improved process is also scalable, allowing the same solution to be applied to shipping, receiving, and picking.

Conclusions

Upgrading from legacy green screens to an SMG3 EmulaTE GUI interface is a cost-effective way to improve workflows and efficiencies, without replacing existing mobile devices.

About SMG3

Strategic Mobility Group helps organizations optimize operations through enterprise mobility strategy, device lifecycle services, and secure management solutions. With deep experience in warehousing, manufacturing, and healthcare environments, SMG3 focuses on enabling reliable mobility infrastructure that supports productivity, resilience, and long-term operational success.

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