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CERTIFIED LEADER IN USER EXPERIENCE & PRODUCT DESIGN

Plex Mobile App Re-design

I served as the principal designer and researcher for the complete redesign of Plex Mobile, a critical tool for operators working on the plant floor. The goal was to refactor the app to run seamlessly on both handheld barcode scanners and mobile phones, while meeting the unique demands of manufacturing environments.

The redesign followed High Performance HMI principles to support SCADA-standard clarity and responsiveness. I conducted onsite research with manufacturing teams to understand real-world constraints such as gloves, poor lighting, device durability, and connectivity drop-offs. Based on these insights, I streamlined key workflows like barcode scanning, inventory tracking, and production reporting to reduce steps and improve accuracy under pressure.

