

Turning a limiting mobile platform into a dependable operational asset

How Clarke Reestablished Confidence in Its Field Operations



Executive Summary

Clarke's technicians rely on a mobile application to guide nighttime spraying operations. As the business grew, their Android only platform became a constraint, limiting device choice, slowing enhancements, and increasing operational friction. Peraison modernised a core part of the application using a cross-platform architecture that strengthened reliability, reduced long term cost, and enabled Clarke's internal team to continue the transformation independently.

Clarke's mobile application is central to safe and compliant field operations. Technicians use it to:

- **Plan routes**
- **Confirm treatments**
- **Log work during demanding nighttime conditions.**

Although the system still functioned, its single platform design led to rising limitations.

- **Hardware procurement was restricted**
- **Updates became more difficult**
- **Scaling the application required increasing effort**

Clarke needed a more adaptable platform that reduced dependency on specific devices. At the same time, they needed to retain continuity with their Microsoft based skillset and avoid any disruption to live operations.

The Challenge





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The Solution

Peraison delivered a focused modernisation that improved capability without requiring a full rebuild. A critical service within the application was migrated to .NET MAUI, enabling the same functionality to run on both Android and iOS devices.

Key elements of the solution included:

- **A shared cross platform foundation** to reduce long term maintenance
- **UI and usability improvements** tailored to low light field environments
- **Reusable logic** and architectural templates to support future migration
- **Knowledge transfer** through documentation, workshops, and pairing sessions

The project was completed within a rapid six-week delivery window while maintaining operational continuity.

The modernised platform delivered measurable business value.

- **Greater operational flexibility** through broader device support
- **A reduced cost base** due to a unified codebase and simplified maintenance
- **Faster future enhancements** using reusable components
- **A technology foundation** aligned to Clarke's existing Microsoft expertise

Clarke now operates with a mobile platform that supports its evolving operational needs, rather than restricting them. The solution strengthened day to day reliability while preparing the organisation for a smoother, lower risk transformation journey.

The Impact



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