VELTRIS
INNOVATE | ACCELERATE | TRANSFORM

CROSS-PLATFORM SAFETY APP FOR INDUSTRIAL FIELD INSPECTIONS

Mobile and web with SSO and offline capture

Challenge

A national workplace safety services provider — offering consulting, training, staffing, environmental, and quality management services — needed a unified mobile and web application to support site inspections, documentation review, and process flows in the field. The existing setup required separate codebases, lacked single sign-on across internal staff, clients, and contractors, and could not capture data reliably in low-connectivity environments. The client needed a partner to deliver a modernized, cross-platform experience with real-time measurement.

Approach

Built a cross-platform application on .NET MAUI Blazor, enabling a single codebase to deliver consistent accessibility across mobile and web for field and office users.

Implemented Single Sign-On across SMG staff, client and owner staff, and contractors, providing role-appropriate access through one unified authentication experience.

Engineered offline-first data capture so field inspectors can complete forms, observations, and process flows without connectivity, syncing when back online.

Delivered infrastructure modernization, documentation review, process flow definitions, and code quality analysis to ensure long-term maintainability and platform reliability.

Outcomes Delivered

Unified mobile and web access through a single codebase, simplifying delivery and accelerating future feature rollouts across both platforms.

Streamlined field inspections and documentation workflows for staff, clients, and contractors through one secure, role-based experience.

Enabled reliable safety data capture in any environment with offline support, ensuring continuity across disconnected field locations.

Closing

Veltris combined cross-platform engineering, identity and access design, and offline-first architecture to give a national safety services provider a unified inspection and field operations app — one platform serving staff, clients, and contractors across every site.