

IT and Cyber Solutions



# FieldGuard™

---





FieldGuard is an AI-powered solution designed for field service teams, delivering real-time, adaptive guidance by blending enterprise data, IoT inputs and machine learning to support confident decision-making at the point of service. It minimizes trial and error, enhances safety and transforms complex data into intuitive, actionable insights for technicians operating in high-stakes environments.

## Dynamic intelligence. Differentiated field service.

FieldGuard envisions a smarter field service future where AI transforms complexity into confidence building real-time decisions for the service technician.



## Technology Behind FieldGuard

FieldGuard leverages advanced technology to address the core operational challenges faced by modern organizations. Built on a robust cloud platform, it ensures scalability, reliability and real-time accessibility. Powered by Microsoft Azure, FieldGuard delivers enterprise-grade security, compliance and seamless integration with existing systems.

Leveraging Microsoft's Fabric microservices architecture enhances flexibility, allowing features to scale effortlessly alongside organizational growth. By utilizing frameworks like React for the user interface and Node.js for backend operations,

FieldGuard offers a responsive, intuitive experience tailored to user needs. With AI-driven insight, it provides actionable, predictive insights that empower smarter decision-making at the point of service while reducing errors.

To safeguard data and meet regulatory requirements, FieldGuard incorporates end-to-end encryption, identity management and comprehensive audit trails. Its API-first design ensures smooth integration with a myriad of enterprise systems in a secure manner using the latest digital tools.



# Industry Use Case Examples



## Empowering Aviation Maintenance Teams

An aviation maintenance team used FieldGuard to capture the knowledge of retiring experts and deliver AI guidance that helps less experienced airline technicians interpret complex aircraft data, resolve faults faster and reduce downtime. Even new hires can perform with the confidence of seasoned technicians.



## Enhanced Compliance in Healthcare

A regional hospital used FieldGuard to maintain and audit over 2,000 pieces of medical equipment. With automated documentation and proactive alerts, the hospital achieved full compliance with regulatory standards, ensuring federal funding continued to flow.



## Optimized Field Service in Telecommunications

A satellite telecommunications provider integrated FieldGuard to manage preventive and corrective maintenance tasks for its antenna infrastructure. With real-time feedback and AI insights, the company increased worker productivity by 30 per cent reducing the need to hire additional technicians.



## Energy Grid Modernization

An energy company transitioning to renewable systems used FieldGuard to balance legacy infrastructure with modern smart grid technology. AI insights ensured seamless integration, increasing first call repairs, reducing callbacks by 40 per cent.

## Take the Next Step

Transform your field service operations with scalable, future-ready technology. Focus on positioning your technicians for success with tools crafted for modern operational challenges. Optimize today for a more productive tomorrow.

### Request a demo today

to see how we can deliver measurable results for your organization.

Contact us at:

[itcs@calian.com](mailto:itcs@calian.com)



Calian® helps people communicate, innovate, learn and lead safe and healthy lives. Every day, our team embodies our core principles of unwavering customer commitment, integrity, innovation, respect and teamwork, to engineer reliable solutions that solve complex challenges. That's Confidence. Engineered.

We are a growing company headquartered in Ottawa with offices and projects spanning North American, European and international markets with a focus on innovative healthcare, communications, learning and cybersecurity solutions.