Livestock Protect Platform:
A Comprehensive Biosecurity Solution

Industry Challenges and the Need for a Solution

The UK poultry industry faces ongoing challenges from a range of disease threats, including avian influenza, salmonella, campylobacter, Newcastle disease, and bacterial infections. These diseases not only impact flock health but also disrupt supply chains, profitability, and long-term business sustainability.

In the past year alone, millions of birds have been culled due to disease outbreaks, causing significant economic strain across the sector. Beyond the finanacial loss, the emotional and welfare toll on both animals and those who care for them is profound. The humane depopulation of livestock, though necessary, places enormous psychological stress on farm workers and business owners, affecting mental health and morale across the industry. Rising operational costs, market volatility, and restrictions on farm movements create long-term risks for producers.

Biosecurity breaches not only disrupt supply chains and drive-up insurance premiums but also risk reputational damage and undermine public confidence.

This makes disease prevention not just a financial imperative, but a vital step in protecting animal welfare and safeguarding the wellbeing of the people at the heart of agriculture.

Beyond disease outbreaks, regulatory compliance is becoming increasingly complex.

Poultry businesses must meet strict biosecurity standards set by Defra, APHA, Red Tractor, and RSPCA assurance schemes, requiring accurate record-keeping, risk assessments, and proactive farm management.

Traditional paper-based biosecurity processes are inefficient and struggle to keep pace with the evolving demands of modern poultry farming.

To address these challenges, robust, data-driven biosecurity solutions are essential.

The Livestock Protect Platform delivers a centralised, digital-first approach to disease and risk management, offering real-time insights, continuous risk assessments, and compliance tools that help protect flocks, farm operations, and the wider poultry industry.

As part of our Biosecurity 365 commitment, the platform supports year-round monitoring and management, enabling producers to track improvements over time and take proactive steps to mitigate risk.

The Livestock Protect Platform:
A Digital Transformation for Poultry Biosecurity

The Livestock Protect Platform is a cutting-edge digital biosecurity solution designed to help poultry keepers of all sizes manage disease risks, enhance compliance, and protect their operations from outbreaks like avian influenza or Salmonella .

This platform delivers real-time disease outbreak monitoring, instantly alerting users when their farm falls within a government-designated control zone. By replacing outdated paper-based biosecurity assessments with digital risk scoring and emergency response planning, it enables farmers to make faster, data-driven decisions to mitigate disease threats .

With a free mobile app for small-scale poultry keepers and a scalable web platform for enterprise-level farms, Livestock Protect is affordable, accessible, and built for the future of poultry biosecurity. It ensures that UK poultry farmers can stay ahead of disease outbreaks, safeguard their livestock, and sustain their businesses in an increasingly challenging environment.

Livestock
Protect
Powered by **Livetec**

365
Managing biosecurity
365 days a year.

Key Features and the Problems They Solve

1. Real-Time Disease Outbreak Monitoring

Problem: Farmers struggle to track avian influenza outbreaks and determine if they are affected.

Solution: Instantly alerts users if their farm falls within an avian influenza outbreak zone, providing up-to-date, government-aligned data and eliminating the need for manual checks on regulatory websites.

2. Centralised Biosecurity Management

Problem: Traditional paper-based biosecurity assessments and record-keeping are inefficient and prone to errors.

Solution: Digital Biosecurity Scoring Assessments replace outdated evaluations with instant risk assessments. Emergency Response Planning ensures farmers can take immediate action, while Site Access Logs streamline visitor tracking and improve traceability.

3. AI-Powered Biosecurity Advisor

Problem: Poultry keepers lack easy access to expert biosecurity advice, especially in critical situations.

Solution: The newly launched AI-driven Biosecurity Advisor tool, built using Gemini AI, leverages knowledge from Livetec's biosecurity experts to provide real-time, accurate guidance on best practices, accessible in both mobile and web tools.

4. Simplified Compliance with Defra & APHA Regulations

Problem: Reporting to authorities is time-consuming and often delayed, increasing the risk of disease spread.

Solution: Automates disease notifications to authorities, reducing the administrative burden and ensuring rapid reporting to support faster outbreak containment and business continuity.

5. Scalable and Value-Driven Biosecurity Management

Problem: Many available biosecurity tools offer limited functionality, focusing on one aspect of disease management without addressing the full scope of on-farm biosecurity needs.
As a result, producers are left juggling multiple systems, missing out on vital insights, and unable to proactively manage risk across multiple sites.

Solution: Livestock Protect is more than just an app - it's a fully integrated, end-to-end biosecurity management platform. Built to scale with the needs of poultry producers, it brings together real-time disease alerts, risk assessment, compliance reporting, and operational tools in one central hub.

From the free mobile app supporting smallholders to the enterprise-grade web platform for integrated businesses, Livestock Protect delivers measurable value through time savings, operational visibility, and reduced risk of costly disease outbreaks.

With a secure, serverless architecture on Google Cloud Platform, it's built for performance, flexibility, and continuous innovation.

For producers, this means fewer systems, more informed decisions, and the peace of mind that comes from managing biosecurity 365 days a year - all while protecting animal welfare, operational resilience, and long-term sustainability.

Transforming Biosecurity in the UK Poultry Sector

By delivering real-time alerts, AI-driven biosecurity insights, and digital record-keeping, the Livestock Protect Platform is revolutionising disease prevention and compliance management in the poultry sector.

As the first-of-its-kind solution tailored for UK poultry keepers, it empowers users with the tools they need to protect their flocks, livelihoods, and the wider industry from diseases such as avian influenza, Newcastle Disease, Salmonella or Coccidiosis, to name but a few.

Key features:

1. **Centralised Interactive Mapping System:** Provides a comprehensive view of all farms, simplifying the management of multiple locations.

2. **Real-Time Disease Outbreak Monitoring:** Offers instant updates on disease zones (commercial and wild bird), allowing proactive risk management.

3. **User-Friendly Interface:** Ensures accessibility for all users, with intuitive navigation for ease of operation. Multi-platform access, iOS, Android and Web.

4. **eBAS (Electronic Biosecurity Assessment System):** An app-driven tool that provides comprehensive biosecurity assessments, scoring, and expert recommendations.

5. **Emergency Response Plan (ERP):** Enables swift, structured responses to a range of emergencies from disease outbreaks to environmental incidents and operational disruptions, helping producers take timely, effective action to minimise impact and safeguard animal welfare and business continuity.

6. **AccessProtect:** A QR Code Signing-In System which enhances security, compliance, and traceability through streamlined visitor access control.

7. **Biosecurity Advisor:** Expert consultancy integrated within the platform, offering tailored advice and continuous support to improve biosecurity measures, driven by AI (artificial intelligence).

"The UK poultry industry is confronting significant challenges due to avian influenza outbreaks, underscoring the critical need for advanced biosecurity measures. In the past year alone, approximately 3.2 million birds have been culled in the UK as a direct result of avian influenza, contributing to a nearly 20% surge in egg prices since the beginning of the year."

bbc.co.uk

The persistence and severity of these outbreaks have led to the implementation of Avian Influenza Prevention Zones across regions such as Norfolk, Suffolk, and parts of Essex, aiming to curb the spread of the virus.

theguardian.com

This situation has not only disrupted poultry farming operations but has also posed substantial economic threats to the industry.
Moreover, the zoonotic potential of avian influenza has been highlighted by recent human cases in England, emphasizing the urgency for robust biosecurity protocols.

bbc.co.uk

A new digital platform is set to enhance disease resilience in the poultry sector by providing real-time data and analytics to farmers, enabling proactive biosecurity measures and improved response to outbreaks.

FarmersGuardian.com

Livestock
Protect

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Why choose Livetec for your biosecurity & contingency planning?

We deliver enterprise-level biosecurity solutions, tailored to any scale.

Background in scientific & academic research spanning 25+ years.

Involvement in all UK poultry notifiable disease outbreaks for two decades.

Scientifically validated, higher animal welfare and humane depopulation techniques.

To protect the future of your flock, book a free, no obligation call with a biosecurity advisor now.

Contact Livetec at
sales@livetecsystems.co.uk

Book a demo now

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Poultry Business NEX WINNER BEST NEW PRODUCT OF THE YEAR

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