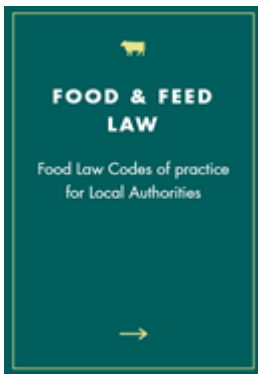


Executive Summary for Food Standards Scotland Feed Audit Management System (FAMS)



Executive Summary



Food Standards Scotland's (FSS) vision is to deliver a food and drink environment in Scotland that benefits, protects and is trusted by consumers. Investing in geographic information system (GIS) as an integral project component and core business asset will help to transform the way services are organised and delivered, thereby improving efficiency, reducing costs and gaining consumer trust.

By selecting Esri UK to support the Feed Audit Management System (FAMS) project, FSS can achieve its key project outcomes and fulfil its core project requirements, namely:

- Implementation of a secure cloud-hosted FAMS
- A functional data and communications platform
- An optimised mobile-responsive solution
- Consolidated reporting dashboards

Implementation of a secure cloud-hosted FMIS

Having already used Esri's ArcGIS Online Software-as-a-Service (SaaS) and successfully deployed several Storymaps and internal applications, we propose FSS extends its use of the platform. FAMS can be built using ArcGIS Online and a range of Commercial-off-the-Shelf (COTS) ArcGIS Online and mobile applications (apps) as shown below.

[Redacted]

[Redacted]

"If we had been doing this project five years ago, before ArcGIS Online, we wouldn't have been able to be as responsive to the original vision of the project and share our coastal change insight with everyone"

[Redacted] Scottish Natural Heritage

ArcGIS Online is secure. Hosted on ISO 27001 infrastructure, compliant with the EU-US Privacy Shield Framework and with a fully published Cloud Security Alliance's Cloud Controls Matrix, ArcGIS Online is a robust service offering 99.9% uptime service levels.

As well as the desired level of security, this approach will be lower cost, because it avoids the need to invest in new technology and new suppliers, and faster to implement due to system familiarity and immediate availability. It also avoids the costs associated with developing a bespoke solution, which involves both effort and continued technical support arrangements for bespoke components.

A functional data and communications platform

The ArcGIS platform is a software platform that will enable FSS to create, organise, and share both geographic and non-geographic information and tools with anyone by using intelligent maps and apps. In line with the FAMS project outcomes, ArcGIS (in conjunction with FSS document management systems) will allow for the storage and dissemination of all project data, actions, communications and tasks alike. The single source of data will provide for inter-agency

collaborative working with other Scottish Government agencies and can eliminate the inefficiencies of too many different systems and multiple versions of the same datasets.

The versatility of the ArcGIS platform, and the breadth of the analysis available, is already the cornerstone of collaboration between government bodies in Scotland. Organisations like Scottish Natural Heritage, Scottish Environment Protection Agency, Historic Environment Scotland and Local Authorities all use ArcGIS.

An optimised mobile responsive solution

With ArcGIS Online as the core component for the FAMS solution, FSS will be able to provide all field-based staff with a series of mobile online and offline applications. Using COTS native apps (for iOS, Android and Windows) field-based staff will be able to connect through a single platform or disconnect with full synchronisation facilities on reconnection. Esri's combination of online and offline technology is tightly integrated and highly customisable.

We have a leading UK retail customer who replaced their paper-based field assessment with Esri's Collector App. This increased productivity for remote workers by four days a month, and significantly reduced the time delay between capture and logging onto a back-office system.

Consolidated reporting dashboards

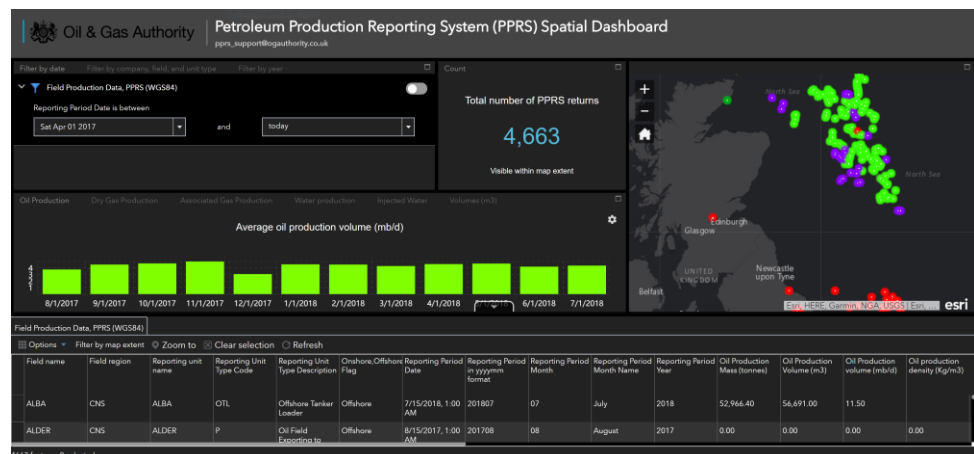
Esri's Operations Dashboard for ArcGIS is a configurable web app that provides location-aware data visualisation and analytics for a real-time operational view of staff, services, assets, and events. FSS will be able to monitor the activities and key performance indicators that are vital to meeting the organisation's objectives within a dynamic dashboard.

"ArcGIS enables us to make a huge variety of data accessible, including information that the industry wouldn't expect, such as specialist reports and production data in a spatial format"

[Redacted] Oil and Gas Authority

As an example, the Oil and Gas Authority publishes an interactive map, shown below and available at the following address:

<https://ogauthority.maps.arcgis.com/apps/webappviewer/index.html?id=19ba032eac3e4f45b3fbe50691253a95>



Sample Dashboard: Petroleum Production Reporting System Spatial Dashboard To help companies and members of the public understand exploration in the UK's territorial seas

Investing for the future

Spatial information is becoming more essential to business success; many organisations regard it as a core asset and are using it to underpin key business systems.

[Redacted]

Our solution offers a pragmatic and low risk approach to achieve the most functional system possible within our commercial offer. COTS products will be fully maintained and supported throughout the contract life. This means there will be no bespoke systems costs, contributing to a low total cost of ownership.

We will support FSS to become self-sufficient in the solution through an agile project delivery with knowledge transfer alongside COTS product implementation.

By selecting Esri UK, FSS will join a vibrant Scottish GIS community. We look forward to working with you to achieve your project outcomes and sharing in your success.