

LLFA-in-a-box

Flood Risk & Land Drainage Management System

Planning Application Consultations · Consents · Incidents

For Lead Local Flood Authorities in England

Livedata Limited — Female-led | UK Public Sector

August 2026

Understanding Your Requirement

Under the **Flood & Water Management Act 2010**, every Lead Local Flood Authority must be consulted on planning applications affecting flood risk, manage land drainage consents, and record flood incidents.

The Statutory Load

- 500–2,000 consultations per authority, per year
- 2–4 hours of officer time per consultation
- 21-day statutory response deadlines
- Consents, enforcement and incident records in the same workflow

The Current Reality

- Manual spreadsheets and SharePoint lists
- Responses composed in Word, attachments by email
- Deadlines tracked by hand — risk of breach
- No single authoritative record

What this means for you:

1,000–8,000 officer hours a year spent on administrative work that a modern system completes in minutes.

LLFA-in-a-box — Solution Overview

A cloud-native platform that replaces manual workflows with integrated case management, geospatial mapping, and automated document generation.

Core Modules

- **Planning Consultations** — statutory deadline tracking, one-click response generation
- **Land Drainage Consents** — full lifecycle, fees, inspection scheduling
- **Flood Incident Recording** — citizen and officer reporting with GIS mapping
- **Enforcement** — chronology, documents, statutory notices
- **Geospatial Viewer** — OS tiles 1:1,250 to 1:250,000, flood zone overlays
- **Reporting & Analytics** — volumes, response times, workload; Excel/CSV export

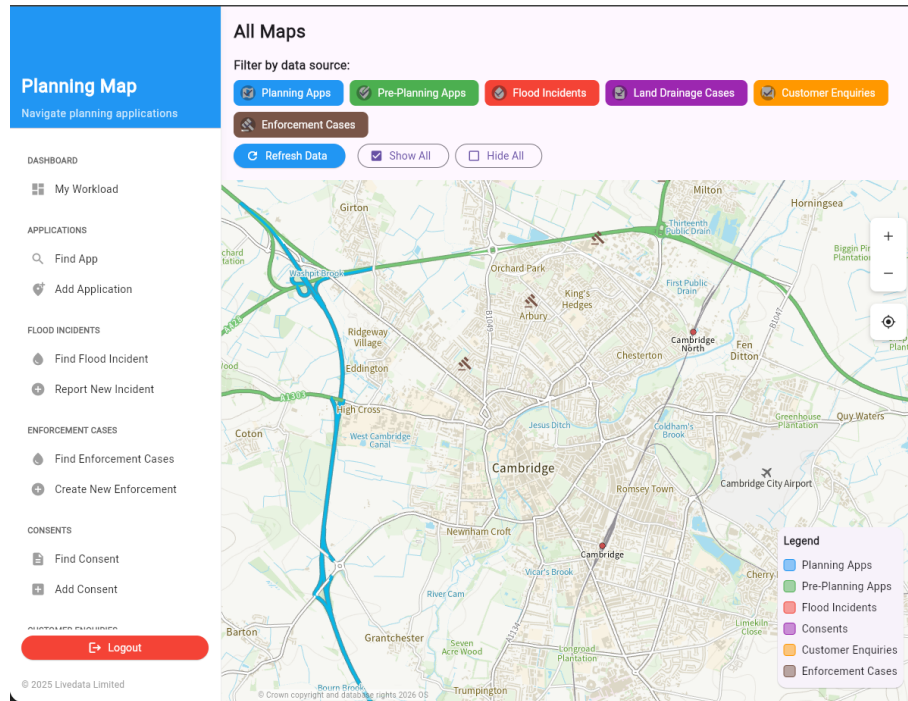
Built-In, Every Instance

- OS mapping under PSGA — no separate licence
- SharePoint integration — your corporate DMS
- Role-based access with Entra ID single sign-on
- UK cloud hosting — AES-256 at rest, TLS 1.3 in transit
- GDPR retention, disposal and SAR workflows

Evidence

- Live at Cambridgeshire County Council, 1+ years
- 1,500 statutory consultations per year handled

Live System: Consultation Management



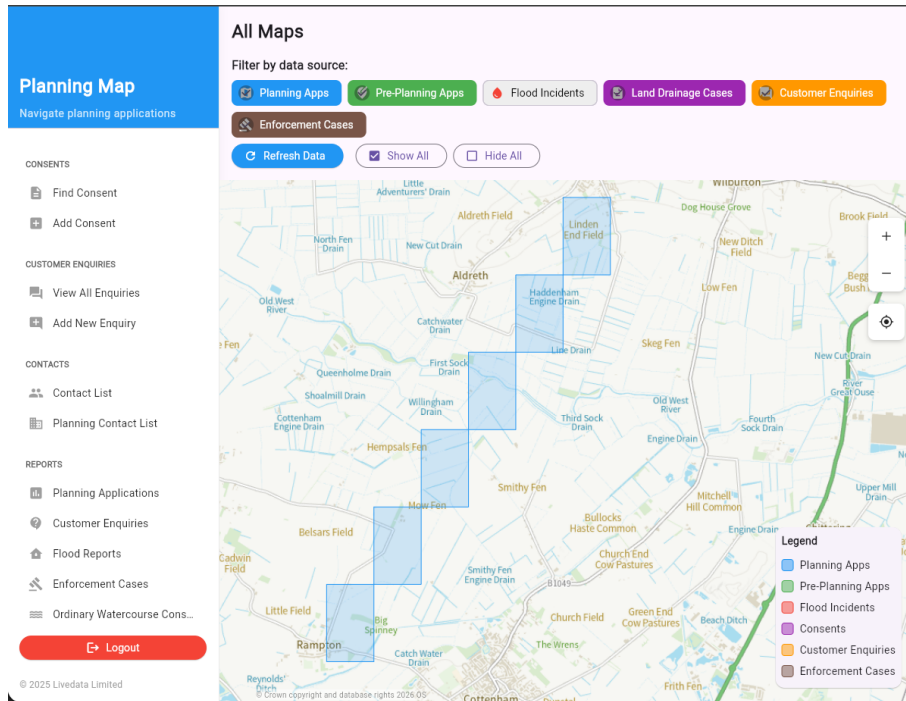
Real platform, real workload:

- Every planning consultation received, tracked and answered in one place
- Statutory 21-day deadlines tracked automatically with escalation at 5 days
- Template-based response letters generated with one click

What this means for you:

- No more spreadsheets, Word drafts or email chasing
- Response time per consultation: hours → minutes
- Escalation flags at-risk cases before the deadline, not after

Live System: Case Records & Workflow



Complete case history in context:

- Consultation, consent, incident and enforcement records linked to one site
- Documents attached from SharePoint — no duplicate filing
- Role-based access: officers, managers, read-only viewers

What this means for you:

- One authoritative record per site, auditable end to end
- Officers see full history before responding — fewer errors
- Managers get workload visibility across the team

Evidence: Cambridgeshire County Council

Livedata designed, built and operates the LLFA Data Management System for Cambridgeshire County Council. **This is the system pictured on the previous slides.**

- **Live service:** 1+ years in production
- **Case volume:** 1,500 statutory consultations per year
- **Data migration:** legacy SharePoint records moved with full audit trail
- **Security:** NHS DSPT (Standards Met), NCSC Cyber Toolkit
- **Integration:** OS mapping tiles, SharePoint DMS, Entra ID
- **Uptime:** 99.87% average across all platforms
- **Outcome:** response time per consultation reduced from hours to minutes

In practice: Cambridgeshire is not a pilot or a demo — it is a live statutory service handling the county's flood risk casework today.

Optional (Enterprise model): AI-Powered Case Assistance

Ask questions in plain English

- “What flood constraints apply to this site?”
- “Show all incidents within 500 m of Mill Lane”
- “Draft a response citing the flood risk evidence”

RAG Pipeline

- Ingestion → chunking → embeddings → PostgreSQL + pgvector
- Hybrid retrieval (vector + BM25) with ranked results
- Every answer cites its source records

Why You Can Trust It

- Human-in-the-loop — officer reviews before anything is issued
- Full audit logging of every query and draft
- Document isolation between records

Evidenced Capability

- Legal RAG Agent — agentic, TRL 4–5, live pilots
- pgvector semantic search in production on the WRAP platform

What this means for you: Officers ask questions in their own words and get answers with cited sources — cutting research time while keeping every decision human-approved.

Commercial Model

Tier	Annual	Volume	Suitable for
Standard	£12,000/yr	Up to 1,000/yr	Smaller unitaries
Plus	£18,000/yr	1,000–2,500/yr	County councils, larger unitaries
Enterprise	On request	2,500+/yr	Combined authorities, shared services

Included in all tiers: UK hosting (99.5% SLA) · updates & patches · standard support · OS tiles · SharePoint · Entra ID. **Add-ons:** public flood risk dashboard (£3,000/yr) · bespoke integration · 24/7 support · on-site training.

Implementation: 2–4 weeks to go-live; data migration 1–2 weeks, included.

Why Livedata

Our Strengths

- **Female-led organisation** — diverse leadership, inclusive approach
- **6+ years in UK public sector** — procurement, compliance, standards
- **Production-proven** — Cambridgeshire live system, real throughput
- **Security-certified** — NHS DSPT, NCSC Cyber Toolkit, ICO registered
- **SME agility** — deployed in 2–4 weeks, not 6–9 months
- **UK sovereign** — UK-registered, UK-hosted, no offshore data

Why LLFAs Choose Us

- **Built for flood risk** — by a team with direct public sector delivery experience
- Not a generic case management system adapted to the domain
- Real Cambridgeshire reference, not a brochure
- Procurement-ready: CCS RM6100 and Digital Outcomes & Specialists 7 (RM1043.9)

In practice: Your officers are using the system this month, not next year — with the county that runs it available as your reference.

Next Steps

1. **System demo** — live walkthrough of the Cambridgeshire platform
2. **Data assessment** — map your current records for a 1–2 week migration
3. **Call-off** — award via CCS RM6100 or RM1043.9, fixed pricing for the term
4. **Go-live** — 2–4 weeks from signature, training included

Thank You

Livedata Limited

Female-led | UK Public Sector | SaaS Solutions

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