

OUR PROPOSAL

Architecture & Implementation Blueprint

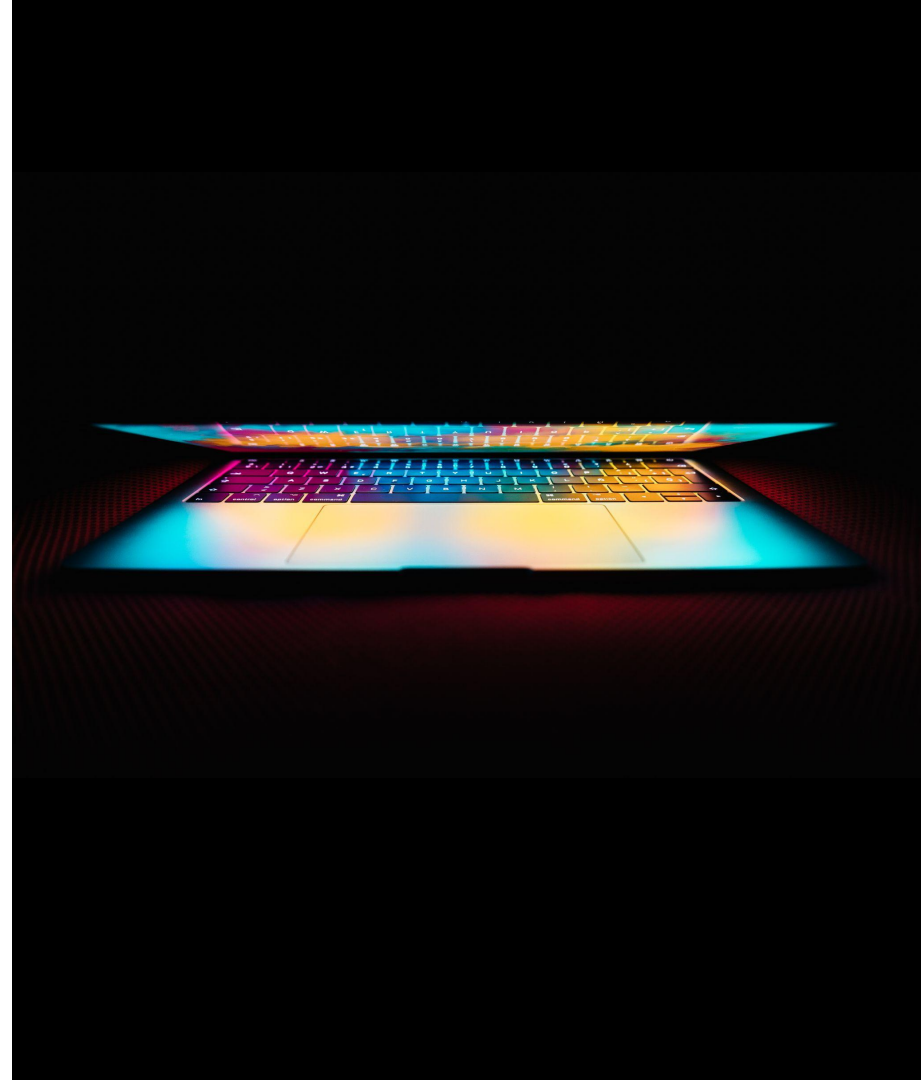
- This proposal response leverages WordPress, Elementor, and WooCommerce—not as an e-commerce checkout tool, but purely as a Product Catalog Data Engine.
- WooCommerce's custom post types, taxonomy structures, and search indexing provide a robust backend for managing complex metadata across 38+ manufacturers, while Elementor visual builders ensure a fast, responsive mobile UI.

Custom Taxonomies & Metadata

- Manufacturer (38+ terms) and Document Category.
- *Custom Fields*: Current Version, Revision Date, PDF File Upload, and Historic Archive File Array.

Elementor Pro Dynamic Templates

- Build single "Component" template layouts that dynamically render metadata, live PDF download/inline preview buttons, and conditional historic version tables.
- Fast Live Search & Filtering: Implement *SearchFX* or *FacetWP* hooked into WooCommerce post types to enable instant, real-time filtering by Product Code, Description, or Manufacturer on the homepage.



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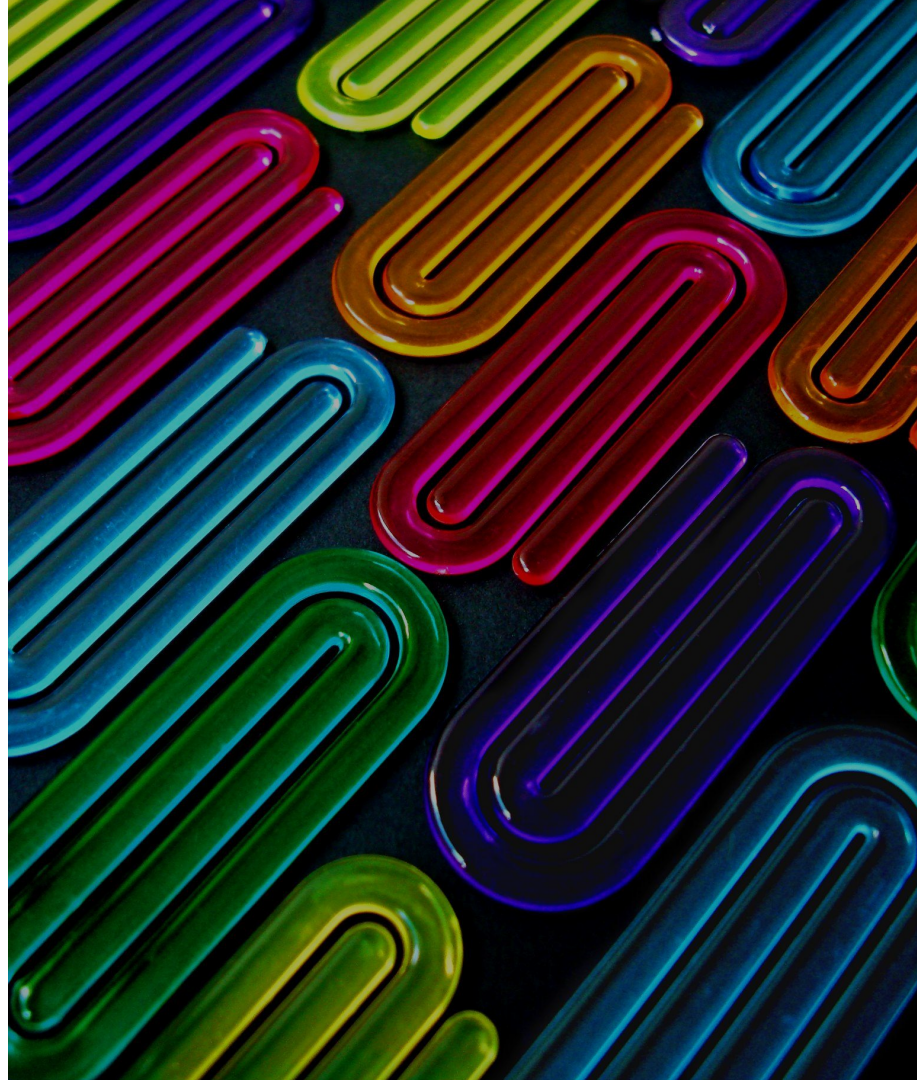
Addressing Regulatory & Operational Requirements

1. Site Structure & Navigation Hierarchy

- Mobile-First Flow: Optimised for QR code traffic from product packaging. QR codes point to the primary search dashboard/homepage.
- Hierarchy: Homepage Search / Manufacturer Directory → Manufacturer Product Grid → Product Page (Current eIFU + Archive Section).

2. Permanent Document Access & Archive Management

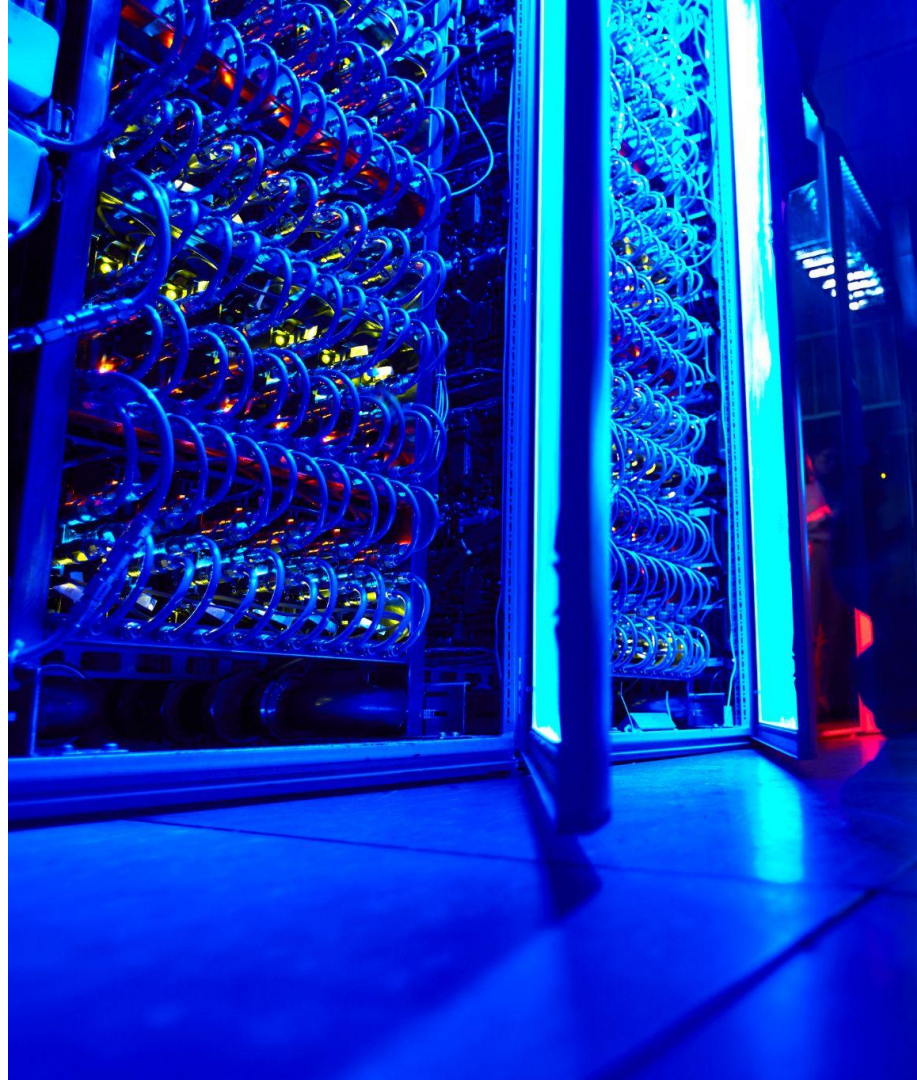
- Stable URLs: Custom permalink structure (e.g., [\[kimal-ifu.com/ifu/\]\(https://kimal-ifu.com/ifu/\)\[component-code\]/](https://kimal-ifu.com/ifu/[component-code]/)) ensures permanent, audit-ready links.
- Version Control: Current eIFU is served prominently. Replaced versions automatically push to a secondary "Document History" accordion powered by ACF repeaters, displaying publication dates and revision logs to fulfill UK/EU retention rules (10–15 years).
- PDF Viewing: Inline PDF embedding via standard HTML5 viewers, ensuring compliance with "no additional software required" rules (no forced Adobe downloads).



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3. Security, Access & Roles

- Role-Based Access Control (User Role Editor): Restrict backend access to strictly 3 accounts:
 - *eIFU Author*: Uploads PDFs and metadata draft.
 - *eIFU Approver*: Reviews and publishes live files.
 - *Administrator*: Technical maintenance only.
- Hardening: Disable REST API public product creation, enforce HTTPS, and implement immutable file storage on AWS S3/Cloudflare R2 to prevent tampering.



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4. Technical Stack Recommendations

Component	Technical Selection	Purpose
CMS Core	WordPress (Headless/Catalog Mode)	Centralised content management
Data Engine	WooCommerce (Catalog Mode)	Handles Product Code (SKU), taxonomies, and metadata relations
Page Builder	Elementor Pro	Rapid dynamic templating and responsive mobile-first UI
Custom Fields	Advanced Custom Fields (ACF Pro)	Managing document versions, revision logs, and PDF attachments
Search Engine	FacetWP / Search	Instant client-side AJAX filtering by SKU, name, and manufacturer
Hosting & SLA	Cloudflare + AWS	Guaranteed uptime SLA, and permanent asset caching