

# SFG Aluminium Ltd Website Version Log

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## Current Version: 1.4.0


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**Release Date:** October 31, 2025

**Status:** Comprehensive Chat History Extraction Complete


## Version History

### v1.4.0 (October 31, 2025)


- **MAJOR DOCUMENTATION** - Comprehensive Chat Extraction completed
- **CONSOLIDATION:** All conversation history from August 2024 to October 2025 extracted
- **SOURCES PROCESSED:**
  - Current conversation summary (key decisions and implementations)
  - SFG Website llm chat conversation.pdf (176 pages of detailed conversation)
  - user\_message\_2025-08-11\_20-18-06.txt (180+ page specification)
  - user\_message\_2025-08-11\_23-11-30.txt (SFG Innovations override directive)
- **DOCUMENT CREATED:** COMPREHENSIVE\_CHAT\_EXTRACTION.md (30+ pages)
- **CONTENT COVERAGE:**
  - Complete project evolution timeline (4 phases)
  - All critical specifications and decisions
  - Brand identity and design guidelines (Warren Executive Theme)
  - Technical architecture documentation
  - Content strategy and requirements
  - UK compliance and regulations mapping
  - Integration requirements (Microsoft 365, /apps microfrontends)
  - Complete page inventory (180+ pages mapped)
  - Implementation directives and Universal Task Framework
  - Current status and detailed roadmap
- **KEY INSIGHTS DOCUMENTED:**
  - Brand separation rules (SFG Aluminium vs SFG Innovations)
  - PPM-only services model (no 24/7 emergency)
  - Warren Executive Theme specifications
  - Product page structure (10 categories × 6 subpages = 60 pages)
  - /apps microfrontends security model
  - 15+ source files identified for content extraction
- **FILES MODIFIED:**
  - Created: /home/ubuntu/sfg\_aluminium\_ltd/COMPREHENSIVE\_CHAT\_EXTRACTION.md
  - Created: /home/ubuntu/sfg\_aluminium\_ltd/COMPREHENSIVE\_CHAT\_EXTRACTION.pdf
  - Updated: /home/ubuntu/sfg\_aluminium\_ltd/VERSION.md
- **STATUS:**  Complete Conversation History Documented and Archived

### v1.3.0 (September 8, 2025)


- **MAJOR DOCUMENTATION** - Unified Application Inventory framework created

- **EXTRACTION PLAN:** Comprehensive legacy content extraction strategy
- **PROCEDURE TEMPLATES:** Standardized documentation for business procedures
- **WORKFLOW TEMPLATES:** Standardized documentation for workflows
- **INTEGRATION FRAMEWORK:** Complete API endpoint specifications
- **DATA MODELS:** Core entity schemas (Customer, Staff, Document, BaseNumber)
- **MCP CONFIGURATION:** AgentPass server orchestration documented
- **THEME TOKENS:** Warren Executive Theme complete specification
- **EXTRACTION TOOLS:** Python script for automated content extraction
- **BUSINESS LOGIC:** Framework for capturing procedures and workflows
- **STATUS:**  Ready for Legacy Content Extraction Phase


### v1.2.0 (September 8, 2025)

- **MAJOR FEATURE** - Advanced video hero background system implementation
- **VIDEO SYSTEM:** Multi-device responsive video (Desktop/Tablet/Mobile formats)
- **ANIMATIONS:** Scroll-triggered animations with intersection observers
- **MICRO-INTERACTIONS:** Button hover effects, scale transforms, shimmer animations
- **ACCESSIBILITY:** Full compliance with reduced-motion support and screen readers
- **PERFORMANCE:** Progressive enhancement with intelligent fallbacks
- **THEME INTEGRATION:** Warren Executive Theme colors and metallic effects
- **CTA ENHANCEMENT:** Animated “Get Free Quote” and “Book Survey” buttons
- **STATISTICS:** Dynamic counting animations for trust indicators
- **CONTROLS:** Video play/pause, mute/unmute, progress tracking
- **STATUS:**  Advanced Interactive Hero Experience Complete

### v1.1.0 (September 8, 2025)

- **SERVICE CONTENT UPDATE** - Replaced emergency services with PPM focus
- **CHANGE:** Updated “24/7 Emergency Service Available” to “Pre-Planned Maintenance (PPM) Services”
- **ENHANCEMENT:** Added prominent version display system with floating badge
- **FOOTER UPDATE:** Enhanced footer with dynamic version information
- **FEATURES:** Version badge component with multiple display variants
- **ALIGNMENT:** Content now accurately reflects PPM-only service model
- **STATUS:**  Content Aligned with Business Model

### v1.0.0 (September 8, 2025)

- **INITIAL BUILD** - Base Next.js structure created
  - **DESIGN BRIEF INTEGRATION** - 180+ page specification implemented
  - **SCOPE:** Comprehensive aluminium solutions showcase
  - **FEATURES:** Hero section, products, stats, basic navigation
  - **ARCHITECTURE:** Next.js 14.2.28 with TypeScript
  - **STATUS:**  Foundation Complete
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# Universal Task Framework - Category Mapping

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## Task Categories & Recommended AI Agents

### 1 Ideation & Strategy

**Best Agents/LLMs:** GPT-5 Thinking, Claude Sonnet 4, Grok 4, Nano Banana

**Use Cases:** product strategies, campaign ideation, sales narratives, stakeholder vision docs

**Outputs:** strategy papers, vision maps, feature roadmaps

### 2 Research & Intelligence

**Best Agents/LLMs:** Perplexity Pro, SearchLLM, Gemini 2.5 Pro, Claude Sonnet 3.7, RouteLLM

**Use Cases:** market scans, compliance/legal research, competitor analysis, technical stack evals, trend scouting

**Outputs:** research briefs, competitor benchmarks, regulatory impact summaries

### 3 Planning & Directives

**Best Agents/LLMs:** GPT-5, Claude Sonnet 4, Gemini 2.5 Flash, Llama4 Maverick, AI Engineer Agent

**Use Cases:** build directives, project planning, technical paradigms, security & compliance protocols

**Outputs:** directive documents, resource allocation plans, governance standards

### 4 Prototyping & Build

**Best Agents/LLMs:** CodeLLM, GPT-4o, GPT-5 Mini, Nano Banana

**Use Cases:** code generation, frontend/backend scaffolds, UI mockups, workflow POCs, RAG/chatbot prototypes

**Outputs:** code repos, sandbox builds, prototype screenshots, UI wireframes

### 5 Testing, QA & Review

**Best Agents/LLMs:** GPT-4.1, GPT-5 Thinking, CodeLLM, Claude Sonnet 3.7, DeepSeek R1

**Use Cases:** regression/unit testing, security testing, compliance reviews, accessibility checks, performance simulations

**Outputs:** test reports, bug logs, compliance gap analysis

### 6 Content & Communication

**Best Agents/LLMs:** GPT-5, Claude Sonnet 4, Grok 4, Gemini 2.5 Flash, Custom Content Bots

**Use Cases:** corporate web copy, tenders, bids, social media text, blogs, HR comms

**Outputs:** copy drafts, campaign packs, compliance-aligned statements, FAQs

### 7 Creative & Media

**Best Agents/LLMs:** Nano Banana, GPT-4o, Image Agent, Video Agent

**Use Cases:** images, ads, renders, storyboards, short videos, schematics

**Outputs:** graphics, explainer clips, mockup assets, campaign visuals

### 8 Workflows & Automation

**Best Agents/LLMs:** AI Engineer Agent, Workflow Agents, Autonomous Browser Agent

**Use Cases:** CRM sync, Microsoft 365 automation, Xero integration, email triage, Slack/Teams orchestration, portal form automation

**Outputs:** automated flows, API call sequences, browser logs, updated dashboards

### 9 Deployment & Operations

**Best Agents/LLMs:** Autonomous Browser Agent, AI Engineer, RouteLLM, Claude Sonnet 4

**Use Cases:** final app deploy, DNS + security configs, Microsoft 365 app reg, launch acceptance

checklists, audit trails

**Outputs:** deployment scripts, handover docs, exec reports, compliance record snapshots

## 10 Post-Deployment Support

**Best Agents/LLMs:** Ops Custom Bots, RouteLLM, DeepSeek R1 (for logs), Claude Sonnet 4

**Use Cases:** email/chat triage, customer service bots, monitoring dashboards, compliance audits, bug patch logging

**Outputs:** ticket reports, triage decisions, monitoring dashboards, compliance packs

### ♦ Execution Rules for DeepAgent

- Always check tool/LLM availability at session start → integrate new models/agents by updating mappings above
- Select best specialist model per task category; avoid generalists unless no specialist fits
- For critical stages (testing, compliance, deployment), validate through RouteLLM multi-model arbitration
- Generate handover summaries at every lifecycle stage
- Enforce GDPR & security: never expose keys, rotate API secrets, isolate knowledge bases
- Outputs must be packaged into actionable formats: structured docs, workflows, test plans, dashboards, or reports

✓ **This is now the master instruction set** — not limited to websites, but spanning all task families DeepAgent can handle today and adaptively in the future.

Think of it as your AI Production Director across Sales, Ops, Compliance, Dev, Creative, and Deployment.

## Project Scope Summary

### Main Website (100+ pages)

- Comprehensive aluminium solutions showcase
- Warren Executive Theme with blues/metallics
- 3D immersive elements and sustainability messaging
- Lead generation and conversion optimization

### /apps Microfrontends Host (16 pages)

- 12 specialized tools with magic-link security
- Microsoft 365 SharePoint integration
- UK Building Regulations compliance mapping

### Technical Requirements

- Next.js with TypeScript
- SSR capabilities
- SEO optimization
- GDPR compliance
- Performance optimization

**Next Agent Instructions:** Review this version log and continue development based on the comprehensive design brief. All updates should increment the version number and document changes here.