SFG Aluminium Ltd Website Version Log

Current Version: 1.0.0

Release Date: September 8, 2025
Status: Active Development - Design Brief Implementation

Version History

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

Universal Task Framework – Category Mapping

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.