# HISL Wireframe (Mermaid)

This document contains the canonical Mermaid wireframe in text form. Copy-paste into a Mermaid editor or compatible tool to visualize.

%% HISL — Canonical Mermaid Wireframe (Single Source of Truth)  
%% Includes IA, page sections, data flows, pipelines, testing, and ops.  
  
graph TB  
  
HOME([HISL · Home / Landing])  
  
HOME --- GLOBE[/Where Your Prompts Go/]  
HOME --- DEPLOY[/Deploy Agents · IntegAI Platform/]  
HOME --- NEWS[/Live News/]  
HOME --- ABOUT[/About/]  
HOME --- CONTACT[/Contact/]  
HOME --- LEGAL[/Legal · Privacy · Terms · Responsible AI/]  
HOME --- SYS404[/404/]  
HOME --- SYS500[/500/]  
  
subgraph L0[Landing / Home]  
direction TB  
  
HERO[[Hero · Full-bleed]]  
HERO --- H1["Headline: \*\*AI + Human… with soul.\*\*"]  
HERO --- H2["Sub: Sovereign AI agents that respect your data, privacy, and humanity."]  
HERO --- HCTA1(("Primary: Start a Demo → scroll to Chat Preview"))  
HERO --- HCTA2(("Secondary: Explore the Globe → /globe"))  
HERO --- HBG[/Static fallback image key: hero.default/]  
  
CAPS[[Capabilities + MiniGlobe (2-col)]]  
CAPS --- C1["On-prem & air-gap-ready orchestration"]  
CAPS --- C2["Local-first (EU sovereignty)"]  
CAPS --- C3["Auditable by design (immutable logs)"]  
CAPS --- C4["GDPR / NIS2 aligned"]  
CAPS --- C5["Why Ravens: truth-seeking memory & foresight"]  
CAPS --- CMG[(MiniGlobe: small rotating sphere · gold accents)]  
  
FEAT[[Features Grid]]  
FEAT --- F1["ComplianceGuard — GDPR/NIS2 compliance"]  
FEAT --- F2["DataSovereign — Local-first processing"]  
FEAT --- F3["PrivacyShield — E2E encryption"]  
FEAT --- F4["AuditTrail — Transparent decision logging"]  
FEAT --- F5["EthicsCore — Human-aligned behaviour"]  
FEAT --- F6["SecureComms — Encrypted agent comms"]  
FEAT --- F7["DocuGenie — On-prem document intelligence"]  
FEAT --- F8["BuildLens — Construction ops insight"]  
  
ETHOS[[Poem / Ethos Panel]]  
ETHOS --- EBG[/Background image key: ethos.bg/]  
ETHOS --- EP["Craftsman’s Creed excerpt (MDX)"]  
  
CHAT[[Chat Preview (Simulation)]]  
CHAT --- CI[(Input field + Send)]  
CHAT --- CO[[Output JSON: runId · promptHash · responseHash · text]]  
CHAT --- CB[Badge: “IntegAI Simulation Mode”]  
  
FOOT[[Footer]]  
FOOT --- FL[HISL logo + tagline]  
FOOT --- FR["© 2025 · Reg. No. 786214"]  
FOOT --- FLinks[Links: Substack · LinkedIn]  
  
end  
  
HOME --> HERO --> CAPS --> FEAT --> ETHOS --> CHAT --> FOOT  
  
subgraph G0[Where Your Prompts Go · Interactive Sovereignty Visualizer]  
direction LR  
  
GL\_LEFT[[Left Controls + Output]]  
GL\_LEFT --- GL\_IN[(Prompt textarea)]  
GL\_LEFT --- GL\_RUN(("Run Simulation"))  
GL\_LEFT --- GL\_OUT[[Output panel: text + metrics]]  
GL\_LEFT --- GL\_BADGE[Badges: IntegAI Simulation · runId · hashes]  
GL\_LEFT --- GL\_MET["Energy estimate (Wh), tokens, hops"]  
  
GL\_RIGHT[[Right · 3D Globe Canvas]]  
GL\_RIGHT --- GL\_CANVAS[(Three.js Canvas + atmosphere shader)]  
GL\_RIGHT --- GL\_PINS[Data-centre pins / heatmap overlay]  
GL\_RIGHT --- GL\_PULSES[Great-circle pulse lines per hop]  
GL\_RIGHT --- GL\_RAVENS[Huginn & Muninn — distinct gold orbits]  
GL\_RIGHT --- GL\_LEG[Legend: Primary / Backup · Region/Jurisdiction]  
  
GL\_IN --> API\_GSIM[/POST /api/integai/simulate/]  
API\_GSIM --> GL\_OUT  
  
GL\_RIGHT --- GL\_FALL[/Static starfield fallback (key: globe.starfield)/]  
GL\_RIGHT --- GL\_ARIA["ARIA label & text summary"]  
  
end  
GLOBE --> G0  
  
subgraph D0[IntegAI Agent Deployment Platform]  
direction TB  
  
D\_FORM[[Org/Sector Intake Form]]  
D\_FORM --- DF1[Organisation / Sector / Size]  
D\_FORM --- DF2[OS / Network / Integrations]  
D\_FORM --- DF3[Privacy & Data residency preferences]  
D\_FORM --- DF4[Targets & Constraints]  
  
D\_ASSESS(("Assess & Simulate"))  
D\_RESULT[[Result: Feasibility, Plan phases, Summary, requestHash]]  
  
D\_STD[[Standard Agents (9 per sector) + Custom]]  
D\_STD --- D\_CONS["Construction ×9 + Custom"]  
D\_STD --- D\_ENER["Energy ×9 + Custom"]  
D\_STD --- D\_MFG["Manufacturing ×9 + Custom"]  
  
D\_FORM --> API\_DASSESS[/POST /api/integai/assess/]  
API\_DASSESS --> D\_ASSESS --> D\_RESULT  
D\_ASSESS --> D\_STD  
  
end  
DEPLOY --> D0  
  
subgraph N0[Live AI & Infrastructure News]  
direction TB  
NQ[(Search query)]  
NFETCH[/GET /api/news/search (proxy)/]  
NRES[[Results list: title · snippet · source → links]]  
NQ --> NFETCH --> NRES  
end  
NEWS --> N0  
  
subgraph A0[About]  
direction TB  
AB1[Michael Bio (MDX)]  
AB2[IntegAI Bio (MDX)]  
AB3[Ethos panel + poem over ethos.bg]  
end  
  
subgraph C0[Contact]  
direction TB  
CF[(Form: Name, Email, Org, Message, Consent)]  
CC[[Thanks / Confirmation]]  
CF --> CC  
end  
  
ABOUT --> A0  
CONTACT --> C0  
  
subgraph P0[Imagery & Content Pipelines]  
direction LR  
IM\_SRC[/public/media/\*\*/]  
IM\_MAN[assets.manifest.json]  
IM\_LIB[lib/imagery.ts → getAsset()]  
IM\_WRAP[components/AssetImage.tsx (fallbacks)]  
MDX\_SRC[/content/{bios,sections,news}/\*\*/\*.mdx/]  
MDX\_CFG[contentlayer.config.ts]  
MDX\_GEN[contentlayer/generated]  
IM\_SRC --> IM\_MAN --> IM\_LIB --> IM\_WRAP  
MDX\_SRC --> MDX\_CFG --> MDX\_GEN  
end  
  
subgraph O0[Testing • Analytics • SEO • A11y • Performance]  
direction TB  
SMOKE[/app/smoke/visuals/] --> PWT[@playwright/test e2e]  
ANALYTICS[PostHog events + Sentry errors]  
SEO[Meta/OG + JSON-LD]  
A11Y[WCAG 2.2 AA + reduced motion]  
PERF[LCP<2s · CLS<.05 · INP<200ms]  
end  
  
subgraph C0I[CI/CD]  
direction TB  
GHA[GitHub Actions: install → build → e2e]  
VERCEL[Vercel Preview → Production]  
GHA --> VERCEL  
end