

AI-Ready & Accessible Site Audit

One-Page Checklist

Use on: Top 5 pages (Home, main service/product, pricing, contact/booking, top landing page)

Goal: Improve rankings, accessibility, and AI-agent visibility while reducing carbon footprint.

1) Accessibility Tree & Semantics (10 min/page)

One clear H1 that matches page intent; no skipped heading levels (H1 → H2 → H3).

Landmarks present: header, nav, main, footer (and aside if used).

All interactive elements labeled: buttons, links, icons, and form fields have descriptive text or aria-labels.

Images: meaningful images have alt text; decorative images are marked appropriately.

Link text is descriptive (avoid “click here,” “read more”).

Forms: every input has a visible label; errors are announced to screen readers.

2) Rendering Mode & JavaScript Weight (10 min/page)

Rendering mode identified: SSR / SSG preferred for key content; minimal critical CSR.

Initial JS bundle ≤ 150–200 KB (gzipped) where possible.

Page weight ≤ 1 MB target for core pages.

Unused JS removed or deferred; third-party tags audited and trimmed.

Core Web Vitals pass (LCP ≤ 2.5s, INP ≤ 200ms, CLS ≤ 0.1).

3) Structured Data & Agent Signals (5 min/page)

JSON-LD implemented for key entities (Organization/LocalBusiness, Product/Service, FAQPage, Article as relevant).

No conflicting markup (e.g., multiple Organization schemas with different details).

Optional: an ai-agent.json manifest at /.well-known/ to guide agents to critical pages.

robots.txt reviewed for training crawlers vs. search bots vs. agents (if you have specific policies).

4) Carbon & Efficiency (5 min/page)

CO₂ per page view estimated (using a website carbon calculator).

Target: ~0.5g CO₂/page or better (Sustainable Web Design model).

Media optimized: images compressed, modern formats (WebP/AVIF), lazy-loaded where appropriate.

Caching & CDN enabled; green hosting considered where feasible.

5) Quick Wins Checklist (do these first)

Fix heading hierarchy and add missing landmarks.

Add/fix labels on buttons, forms, and icon-only links.

Remove or defer unused JS and heavy third-party tags.

Compress oversized images and convert to modern formats.

Add or correct JSON-LD for the main entity on the page.

Scoring & Next Steps

Pass rate Checked items ÷ total items, per page	Priority Fix Section 1 & 2 items first (accessibility + performance)	Re-audit Re-run this checklist quarterly or after major site changes
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Sources (for citation in your own content)

Search Engine Journal on accessibility tree & AI agents · Nohacks & OpenHermit on accessibility-first design · SiteGrade / Sustainable Web Design on carbon budgets · framework CO₂ data (Astro vs. React vs. Angular).