

EcoFi Work Report

Product development / infrastructure / deployment

A transparent record of what was built, why it mattered, and the exact time behind every task.

40

TRACKED TASKS

2h 31m

WORKED TIME

5

WORKSTREAMS

INSIDE THE REPORT

01

Product foundation

editor, interactions, saved plans

02

Reliable persistence

storage, uploads, backups

03

Production polish

performance, mobile, QA

Build drag-and-drop ledger editor

16 tasks - 42 min 29 sec

1. Built the first EcoFi field-plan editor

Worked for: 8 min 38 sec

- Created configurable legend items with circle, triangle, and square symbols.
- Added image upload, drag-and-drop marker placement, Edit/View modes, responsive layout, and local saving.

2. Refined marker appearance and interaction

Worked for: 4 min 13 sec

- Reduced marker size and removed labels and backgrounds that obscured the map.
- Enabled independent symbols, stable selection, repositioning, and short connector lines.

3. Added connector direction controls and fixed duplication

Worked for: 3 min 17 sec

- Added eight selectable connector directions for each marker.
- Separated click-to-add from dragging so moving a marker no longer duplicates it.

4. Added a saved-plan library

Worked for: 3 min 29 sec

- Added Save plan, New plan, and Plans workflows.
- Created historical plan cards with thumbnails, marker counts, dates, reopen, and delete actions.

5. Fixed legacy-plan migration

Worked for: 3 min 27 sec

- Changed migration to move large image records instead of temporarily duplicating them.
- Added visible warnings when browser storage cannot save a plan.

6. Prepared the initial custom subdomain

Worked for: 0 min 50 sec

- Connected the requested EcoFi subdomain on the hosting side.
- Provided the required GoDaddy CNAME and verification records.

7. Corrected the custom domain spelling

Worked for: 0 min 40 sec

- Changed the requested host from ecofy to ecofi.
- Removed the mistaken domain and supplied corrected DNS records.

8. Verified domain and SSL activation

Worked for: 1 min 39 sec

- Confirmed DNS and the SSL certificate were active.
- Verified the app route at ecofi.jessejaffe.com.

9. Started removing the ChatGPT login gate

Worked for: 0 min 35 sec

- Investigated public access after the user reported an unwanted login requirement.
- This task was interrupted; the access change was completed in the next task.

10. Made EcoFi publicly accessible

Worked for: 0 min 43 sec

- Removed the ChatGPT sign-in gate for the EcoFi site.
- Verified the app could be opened directly without moving it to Hetzner.

11. Rebranded SiteKey as EcoFi

Worked for: 3 min 35 sec

- Changed the logo tile and product name to ecofi.
- Added a green leaf favicon and updated the browser and hosting titles.

12. Requested click-to-place behavior

Worked for: 0 min 59 sec

- Defined the requirement that clicking a legend row should place its symbol in the map center.
- This task was interrupted; the behavior was designed and implemented in the next two tasks.

13. Designed behavior for multi-symbol legend rows

Worked for: 0 min 22 sec

- Kept one-symbol rows fast with direct placement.
- Specified an explicit symbol choice for multi-symbol rows to prevent ambiguous placement.

14. Implemented legend click-to-place

Worked for: 2 min 45 sec

- Made single-symbol rows place markers in the map center.
- Added a choose-a-symbol state for multi-symbol rows while preserving drag-and-drop and preventing duplicates.

15. Selected markers automatically when moved

Worked for: 3 min 49 sec

- Dragging an existing marker now selects it immediately.
- The marker remains selected after placement so connector controls are ready without another click.

16. Made connectors optional by default

Worked for: 3 min 28 sec

- New markers now begin with no connector.
- Direction controls add connectors, while the empty option removes them and preserves older saved plans.

Remove save plan flow

9 tasks - 19 min 17 sec

17. Replaced manual saving with autosave

Worked for: 1 min 49 sec

- Autosaved legend, marker, connector, plan-name, and image changes.
- Removed the manual Save plan button and the forced switch to View mode.

18. Published the autosave update

Worked for: 0 min 25 sec

- Deployed the autosave-enabled version of the field-plan editor.
- Confirmed the shared site was available for testing.

19. Diagnosed browser-storage failure

Worked for: 0 min 08 sec

- Identified the uploaded map image as too large for browser local storage.
- Recommended durable server storage for images with lightweight plan references.

20. Planned Hetzner-backed storage

Worked for: 0 min 08 sec

- Confirmed that the user's Hetzner server could provide cross-device plan and image storage.
- Requested only the connection details needed for a safe setup.

21. Opened the local database tunnel

Worked for: 0 min 13 sec

- Established the approved localhost tunnel to the Hetzner PostgreSQL service.
- Kept the public database port closed.

22. Moved plans and images to persistent server storage

Worked for: 4 min 25 sec

- Deployed server-backed storage on Hetzner instead of browser-only storage.
- Enabled automatic persistence for uploads, legends, markers, connectors, and positions.

23. Cleared a stale storage connection error

Worked for: 3 min 23 sec

- Confirmed the storage API was healthy after deployment.
- Fixed the page state that could retain a temporary connection warning.

24. Reworked image uploads after another failure

Worked for: 3 min 10 sec

- Changed uploads to browser-native multipart transfer for better compatibility.
- Republished the site with a fresh build after verifying the backend path.

25. Fixed large-image uploads after hard-refresh testing

Worked for: 5 min 36 sec

- Replaced the fragile upload path with safe chunk handling for large files.
- Verified production upload, persistence, reload behavior, and cache-busted delivery.

Fix image upload error

11 tasks - 76 min 56 sec

26. Fixed Unicode screenshot filename uploads

Worked for: 6 min 10 sec

- Found that Unicode spacing in screenshot filenames caused Chrome to reject an HTTP header.
- Verified the exact screenshot uploaded, saved, reloaded, and downloaded byte-for-byte in production.

27. Made image uploads feel immediate

Worked for: 4 min 32 sec

- Displayed a local preview immediately and uploaded directly to Hetzner.
- Removed sequential frontend chunk delays and added reliable background progress.

28. Allowed editing during background uploads

Worked for: 2 min 45 sec

- Removed the visible percentage workflow and let users place symbols immediately.
- Queued autosave until the permanent upload completed, then saved the image and interim edits together.

29. Completed a full product and security audit

Worked for: 7 min 11 sec

- Reviewed storage security, data durability, mobile usability, code quality, and automated coverage.
- Prioritized authentication, backups, mobile fixes, save confirmation, cleanup, and testing without changing production.

30. Implemented the highest-priority audit fixes

Worked for: 13 min 11 sec

- Fixed the mobile editor and made autosave wait for server confirmation with retries.
- Permanently deleted plan images, removed orphaned files and obsolete upload code, and added backend tests.
- Added daily rotating EcoFi backups and documented server disk and firewall considerations.

31. Optimized saved-plan image loading

Worked for: 8 min 19 sec

- Converted the saved map from a 4.85 MB PNG to a 331 KB WebP and added browser caching.
- Reduced cold-load time from roughly 8-10 seconds to about 1.8 seconds and reviewed container storage.

32. Recreated the client's example lighting plan

Worked for: 18 min 18 sec

- Cleaned the aerial background and recreated seven legend categories.
- Placed 21 editable markers matching the reference and corrected alignment across aspect ratios.

33. Supported multiple connectors and fixed legend spacing

Worked for: 5 min 40 sec

- Prevented the three-symbol Keep the Same item from overlapping its label.
- Allowed up to four independently selected connector directions per marker with clear controls.

34. Expanded markers to all eight connector directions

Worked for: 2 min 49 sec

- Removed the four-connector limit.
- Allowed all eight directions simultaneously while preserving existing plan compatibility.

35. Separated connector removal from symbol deletion

Worked for: 5 min 00 sec

- Made Remove connectors clear only the lines and added a separate Delete symbol action.
- Made View mode truly read-only, including click, drag, focus, hover, and pointer behavior.

36. Polished the sidebar and EcoFi branding

Worked for: 3 min 01 sec

- Removed the redundant Symbol Library heading and improved the settings gear proportions.
- Replaced the letter tile with the EcoFi leaf and clarified the placement and settings guidance.

Mobile plan fixes

3 tasks - 6 min 37 sec

37. Enabled touch-based marker repositioning

Worked for: 2 min 29 sec

- Fixed Edit mode so a marker can be pressed and dragged with a finger on mobile.
- Deployed the update to EcoFi and recorded it in commit 6a3d741.

38. Synchronized the shared plan across mobile and desktop

Worked for: 2 min 37 sec

- Fixed mobile loading so it opens the same shared plan as desktop.
- Verified the plan image, markers, customized legend, tests, and Hetzner storage API; recorded the update in commit 7574f8e.

39. Added read-only symbol details in View mode

Worked for: 1 min 31 sec

- Made symbols tappable in View mode so users can see each symbol's name and details without moving it.
- Added background-tap dismissal for the information card and deployed the update in commit 11756b0.

Project reporting

1 task - 4 min 41 sec

40. Created the task-by-task PDF work report

Worked for: 4 min 41 sec

- Reviewed the EcoFi work history and organized the prior tasks by project chat.
- Created and visually verified a polished PDF with exact durations, numbered work items, accomplishment summaries, section totals, and page numbering.