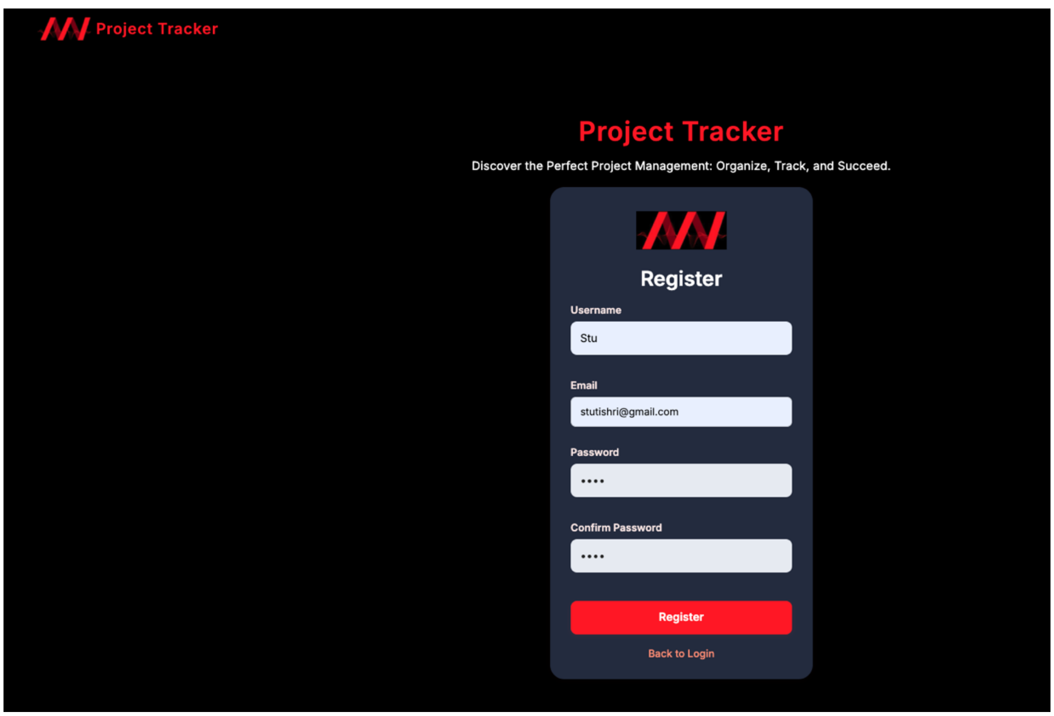
Project Tracker - User Help

This guide describes the main features of the Project Tracker application and how to use them.

URL: https://st.adaptivewaves.ai

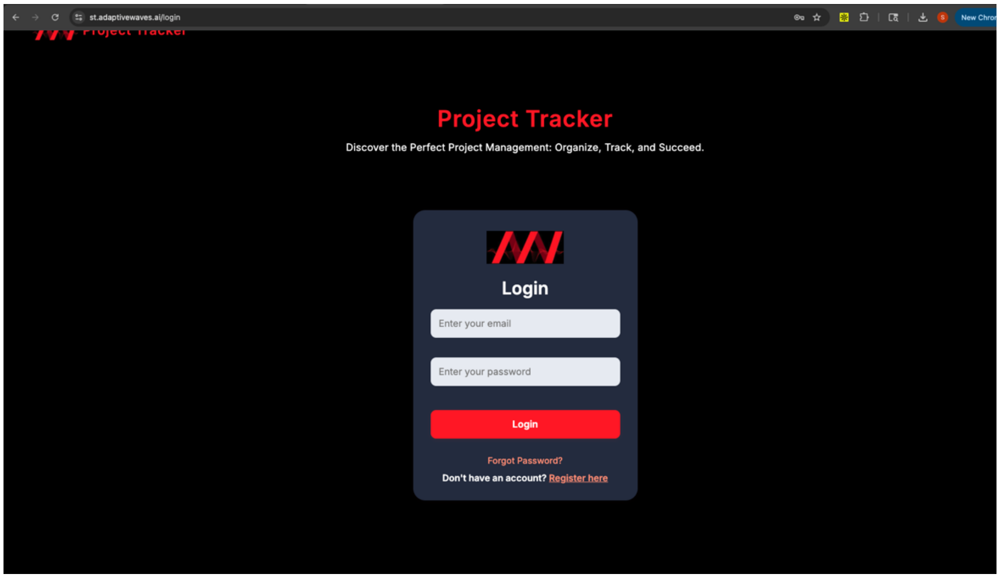
1. Register user

- Open the Login page. At the bottom, choose Register here to show the registration form.
- Enter a username, email, password, and confirm password. All these fields are required; passwords must match.
- Submit the form. After a successful registration you can sign in with the same account.



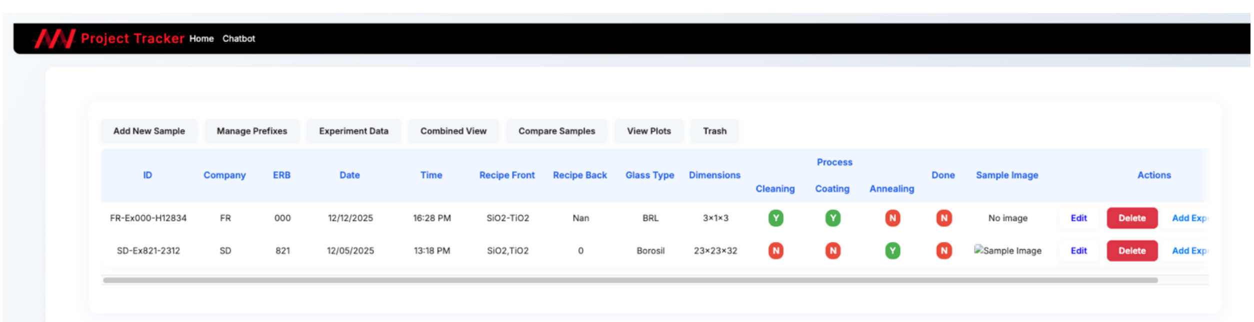
2. Login

- Enter your username or email and your password, then sign in.
- Use Forgot password? if you need to reset your password via email (when email is configured on the server).



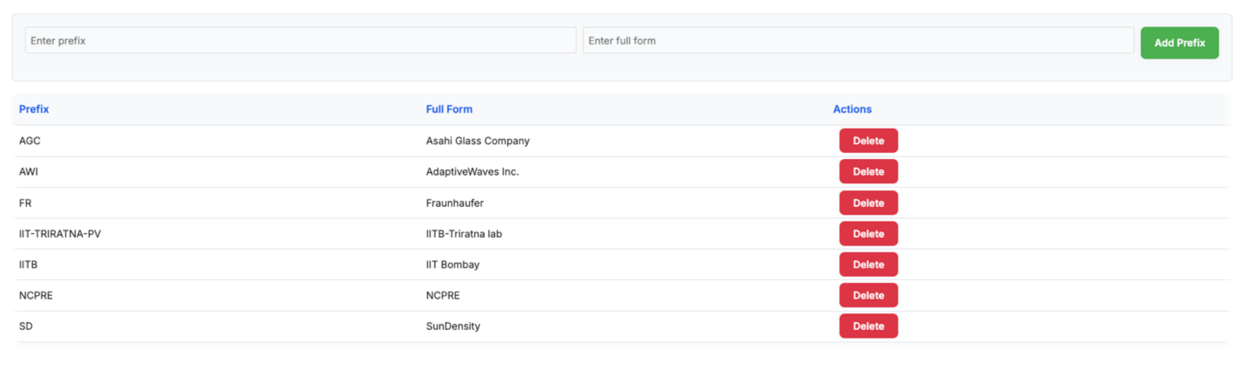
3. Dashboard (home)

- After login, the home screen lists your samples in a table (company, ERB, date, recipe, glass type, dimensions, process flags, etc.).
- From here you can open Add New Sample, Manage Prefixes, Experiment Data, Combined View, Compare Samples, View Plots, and Trash, or Delete a sample row (deleted samples are moved to Trash).



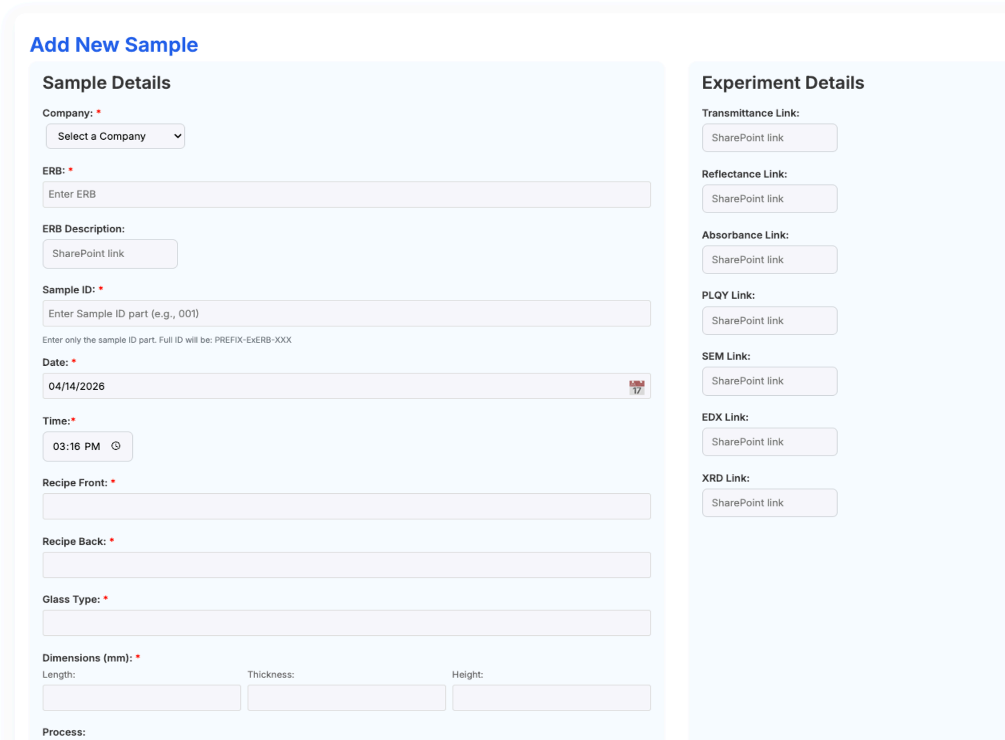
4. Manage prefixes

- Manage Prefixes defines the short company prefix codes used when building sample IDs (for example, in Add New Sample).
- If your company name (or desired prefix) is not in the list, add it here: enter the prefix (short code) and the full name (full company or organization name), then save.
- Keep prefixes accurate so sample IDs stay consistent across the team.



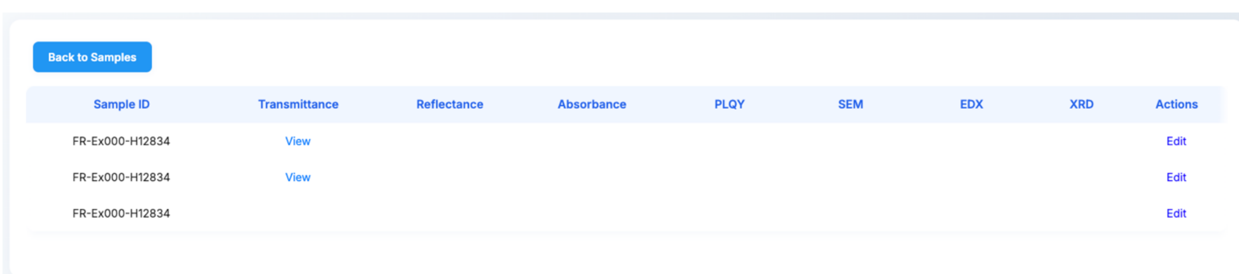
5. Add new sample

- Use Add New Sample from the dashboard.
- Fill in the sample details. Fields marked with * (asterisk) are mandatory complete those before submitting.
- You typically choose a company prefix, ERB information, and a sample ID part; the application builds the full sample ID from these pieces.
- You can attach a sample image and notes where the form allows it.



6. Experiment data

- Experiment Data lists experiments linked to samples (including sample ID).
- Use it to see which samples have experiment records and to add or edit experiment data (for example optical measurements such as transmittance, reflectance, absorbance, and other fields supported by your forms).
- Experiment rows are tied to the sample's business ID so they stay aligned with the sample list.

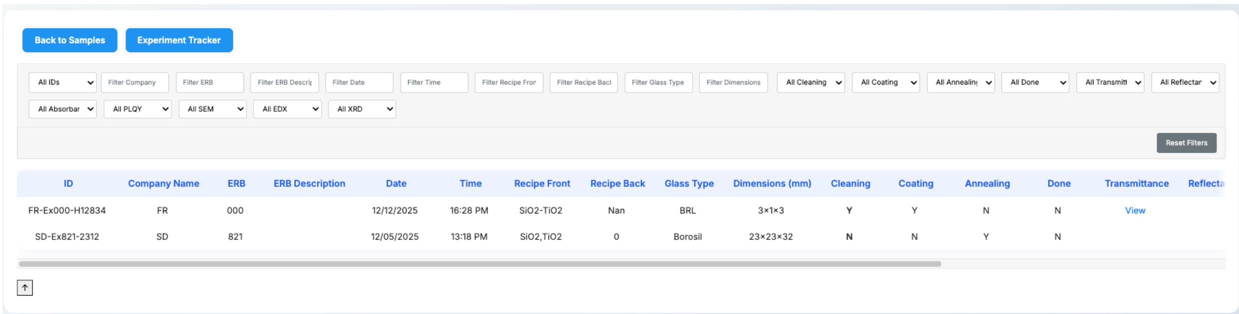


Back to Samples

Sample ID	Transmittance	Reflectance	Absorbance	PLQY	SEM	EDX	XRD	Actions
FR-Ex000-H12834	View							Edit
FR-Ex000-H12834	View							Edit
FR-Ex000-H12834								Edit

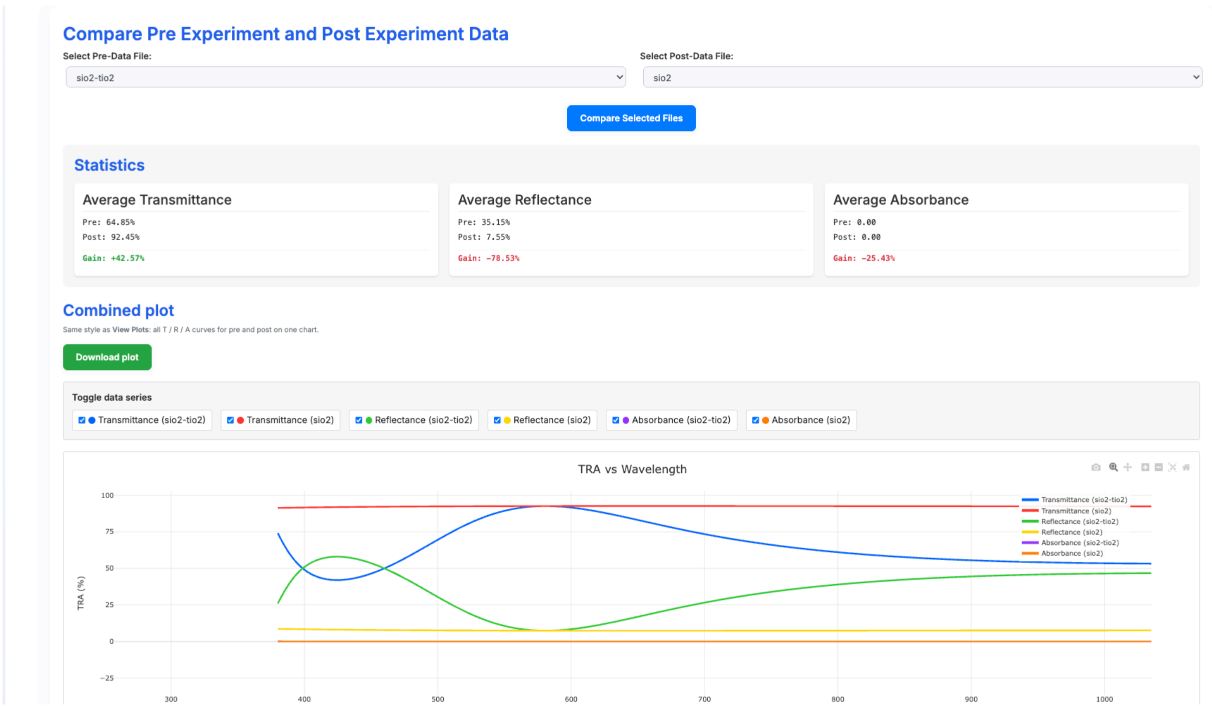
7. Combined view

- Combined View shows detailed sample information together with related experiment data in one place.
- Use the filters / dropdowns at the top to narrow the list (for example by company, ERB, or other available criteria).
- This view is useful for reviewing or exporting-style workflows when you need both sample and experiment context.



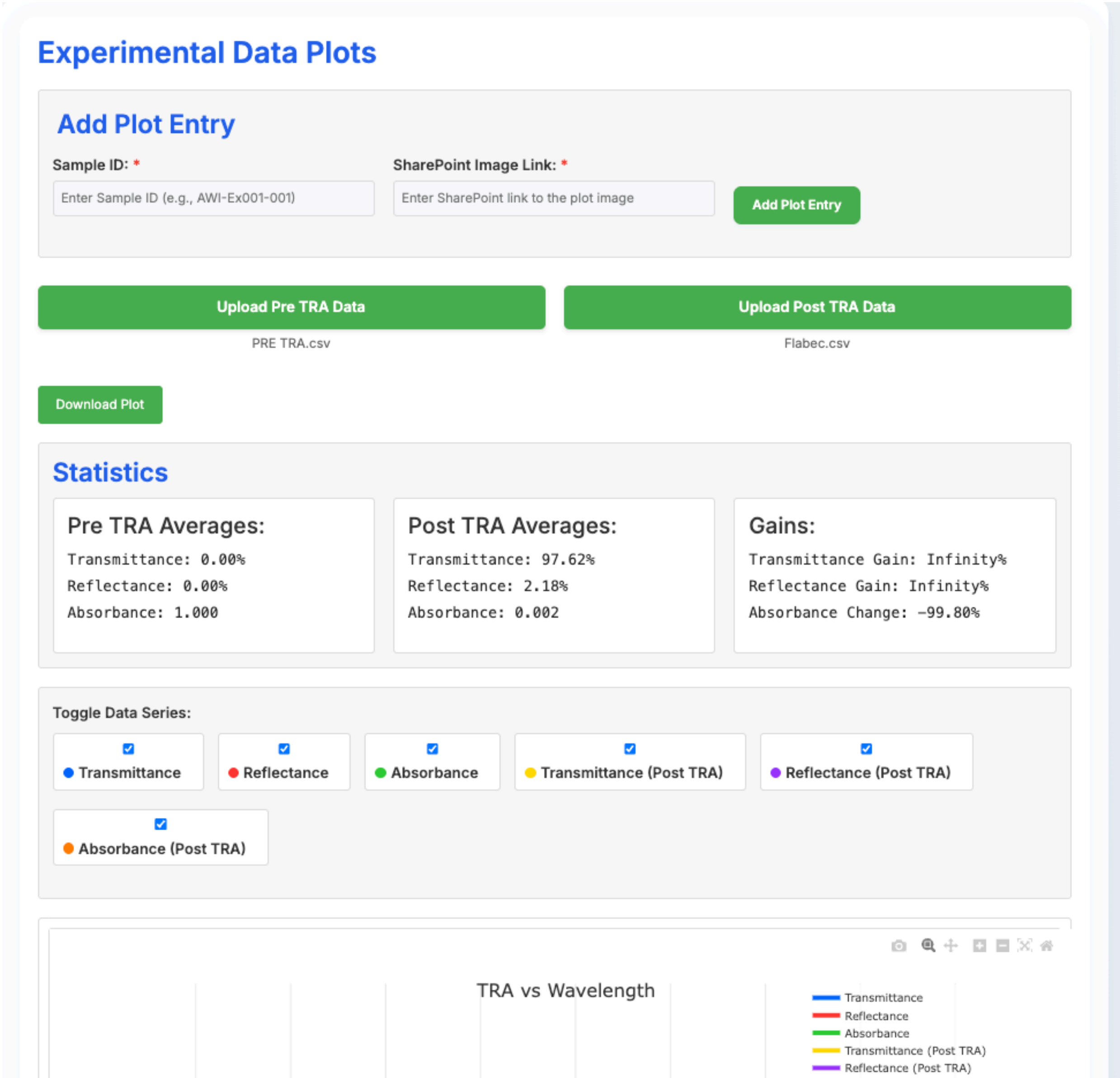
8. Compare samples (SpectraCoat / pre–post spectra)

- Compare Samples connects the sample tracker to SpectraCoat-style data stored in MongoDB (pre and post datasets).
- Choose one pre record and one post record from the lists, then run compare. The tool builds charts (including a combined-style plot) from the selected spectra.
- You can toggle series on the chart where the interface provides controls and download the plot when a download control is shown (browser / Plotly toolbar).
- Data must exist in the configured pre_data and post_data collections (and database settings your administrator configures, for example MONGODB_COMPARE_DB if those collections live under a different database name on the same cluster).



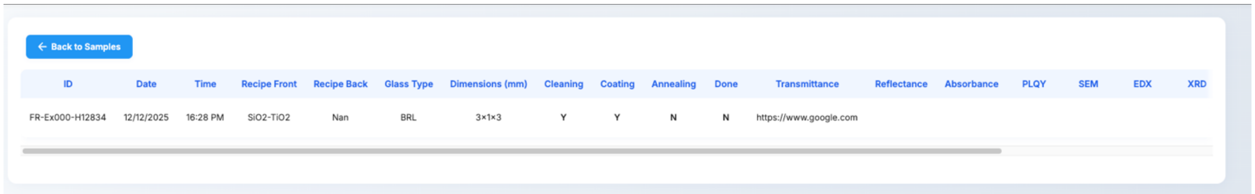
9. View plots

- View Plots is for working with files on your computer (for example CSV files with wavelength and TRA columns).
- Upload pre and/or post trajectory files as prompted; the application builds comparison plots (including TRA-style overlays) similar to a lab plotting workflow.
- You can also record a sample ID and a SharePoint link to an image plot for traceability in the plot entries table (when that section is used).
- For best results, use clean CSV headers and avoid trailing empty columns (extra commas), which can create extra blank legend entries.



10. Trash

- When you delete a sample from the dashboard, the sample (and its related experiment record where applicable) is moved to Trash instead of being removed immediately as long as the Trash / MongoDB feature is available.
- Open Trash to review deleted items, see when they were deleted and who deleted them, and use Restore to put a sample back into the main list if no sample with the same ID already exists.



11. User management (administrators only)

- Users with admin privileges see User Management in the navigation.
- Admins can list users, activate / deactivate accounts (except their own), grant or remove admin role (not on themselves), and delete user accounts (not their own).