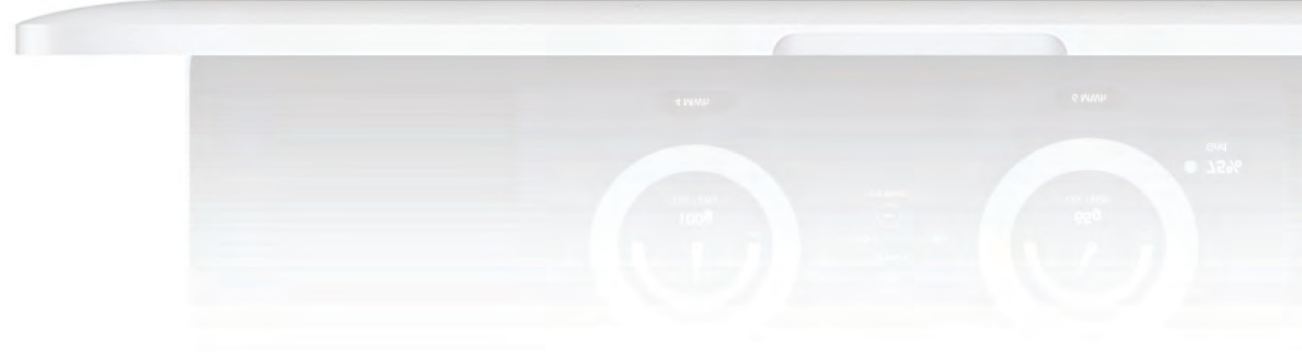
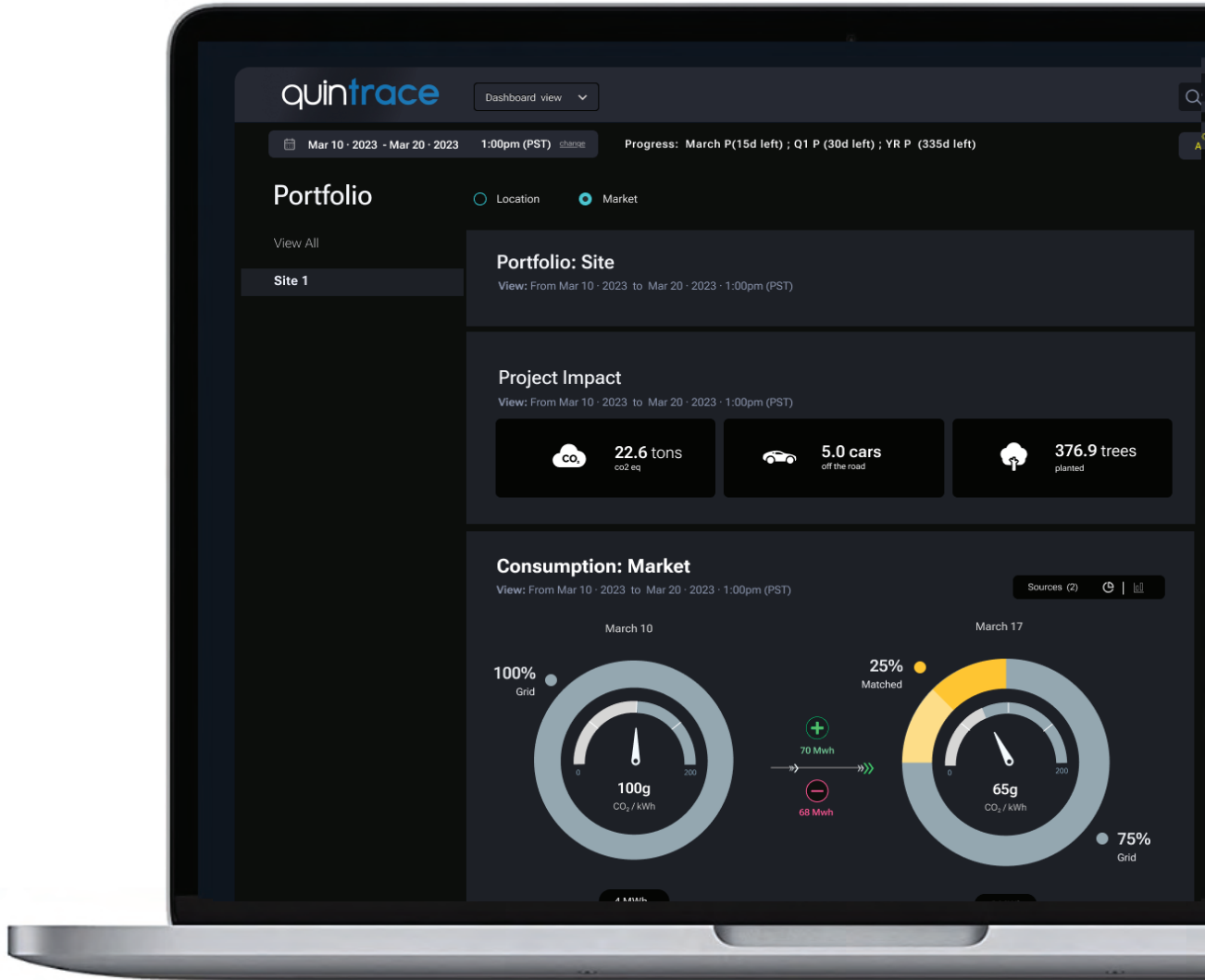




quintrace



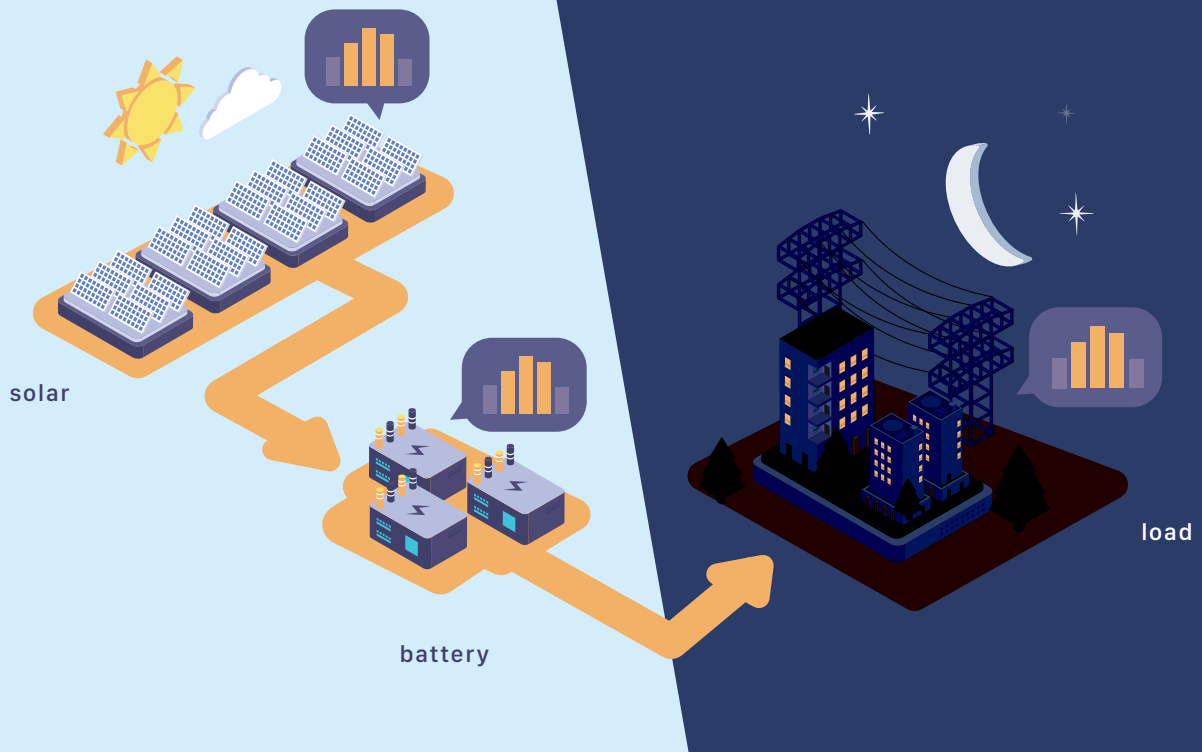


Quintrace is a digital platform which lets users view their carbon footprint in real time and implement the latest granular accounting standards for consumption and generation. This includes accounting for bundled green products under Power Purchase Agreements, implementing new standards for measuring the hourly carbon impact of energy storage, and automating the creation and transfer of Energy Attribute Certificates.



A cloud native platform, the system is transparent and auditable, providing defensible carbon claims.

Quintrace allows customers to be able to demonstrate the source of every kWh used and trace it back to specific green energy projects, via energy storage, on a 24/7 basis.



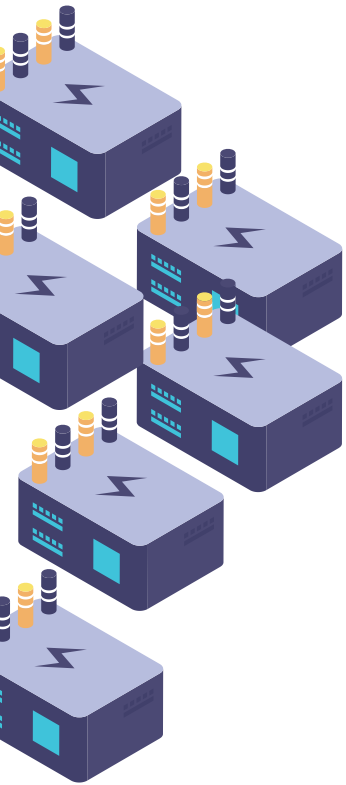
The path to decarbonization

Corporate buyers of power are increasingly committing to using zero emissions electricity, measured on an hourly basis, to power their operations. Both Google and Microsoft have committed to achieve this by 2030. The US Federal Government has committed to 50% of power purchases being zero emission by 2030. Hourly, zero emission is rapidly becoming a new corporate 'gold standard'

New green industries - from green hydrogen to green polysilicate - require auditable 24/7 input green power as a pre-requisite to the business model.

Collectively, this indicates a large and growing demand for 24/7, zero emissions electricity. Digital solutions are needed to enable auditable hourly tracing of a company's renewable power purchases and resulting carbon reductions.

the goal



What problem are we solving?

Provenance of every kWh of consumption on an hourly basis

Major energy users are increasingly committing to decarbonization goals that include commitments at an hourly level. They need green energy on a 24/7 basis, every hour, everywhere.

The industry needed a tool to demonstrate **24/7 green power supply** to a site, at the **hourly** or sub-hourly level, sourced from **specific green projects** with **full auditability**.

That is why we have developed Quintrace..

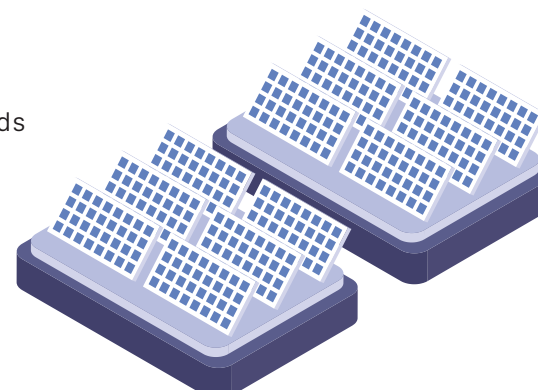
How did we solve this problem?

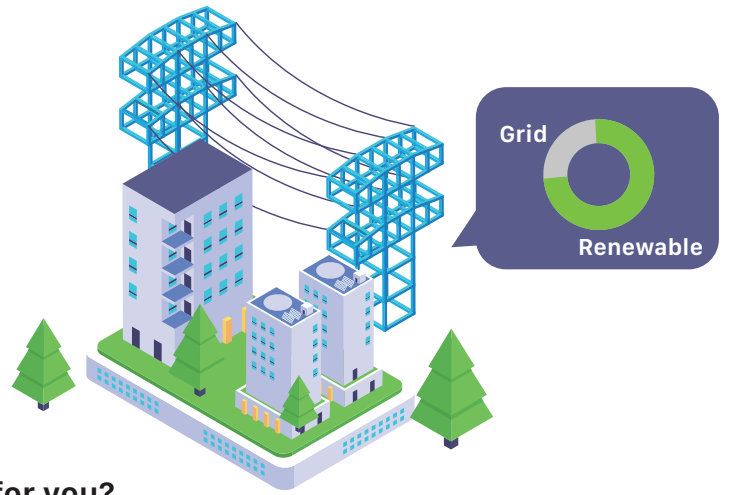
We believe in data driven decarbonization. Our cloud hosted platform is transparent and auditable, providing defensible carbon claims.

We use granular hourly data from assets and an advanced matching algorithm to match every kWh of consumption to its original source (directly or indirectly through storage assets).

Quintrace solves many challenges including:

- Scalable data management for many assets/sites in near real time
- Tracing green power through storage
- Tracing green power through to downstream products (e.g. green hydrogen)
- Ensuring auditability of the tracing solution
- Customized carbon reporting for users
- Interactive user interface and live dashboards

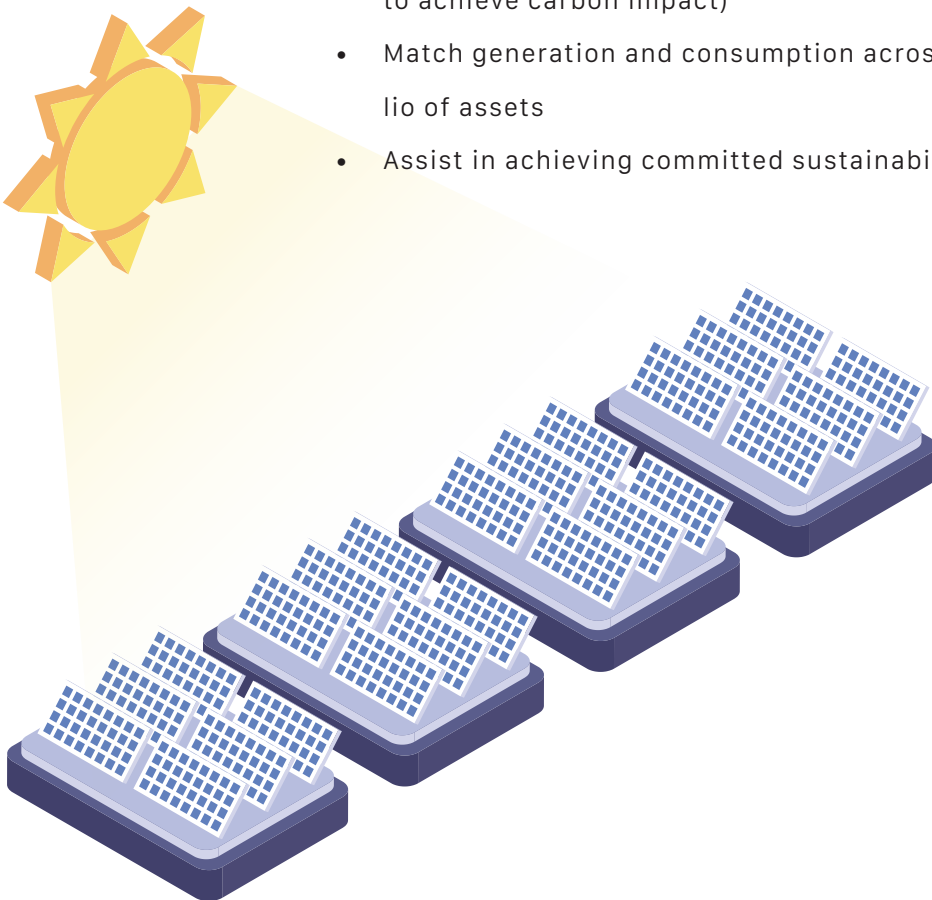




How do we create value for you?

Our digital platform lets users:

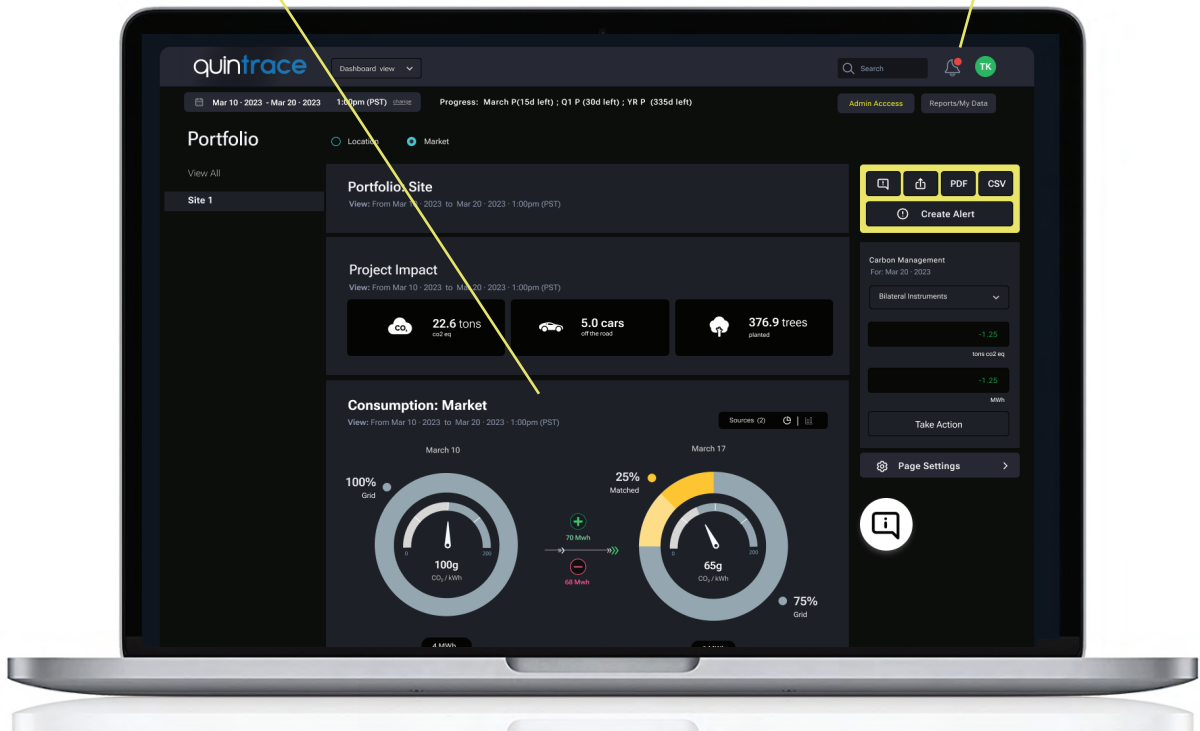
- Have a centralized view of an asset's operations
- Defend carbon claims using data updated hourly
- Make hourly carbon commitments and report outcomes accurately
- Implement the EnergyTag hourly certificate standard to storage assets
- Discover insights (e.g. best time to charge batteries to achieve carbon impact)
- Match generation and consumption across a portfolio of assets
- Assist in achieving committed sustainability goals



Dashboards

View real time energy flows and carbon impacts using hourly data

Notifications System, email



Registry Integration

Automate creation, transfer, and surrender of certificates to avoid delays and errors



Simulation

Assess the impact of pursuing renewable investments or targeting renewable goals on existing sites



Kiosk

Asset footprint across multiple geographies



Marketplace

Share excess generation or cover shortfalls across the platform



Bilateral Contracts

Implement hourly and annual Power Purchase Agreements (PPAs) to view outcomes



Carbon Reporting

View Scope 2 and Avoided Emissions according to Greenhouse Gas Protocol and emerging hourly standards

features



Carbon Calculations

Report against the Greenhouse Gas Protocol and emerging standards like EnergyTag

Hourly emissions calculation based on meter data and grid hourly carbon intensity

Avoided emissions quantified in CO₂e, and with reference to real-world benchmarks like cars taken off the road



Carbon Measurements

Bilaterals

Represent PPAs and other contracts within Quintrace and automate consolidated reporting and certificate creation/transfer/surrender

On Market

Hourly spot market ready by allowing excess and shortfalls of hourly green power to be matched across platform users

Simulation

Assess the impact of pursuing renewable and/or carbon targets on ability to source and cost of supply



Energy Attribute Certificates

Records Energy Attribute Certificates (RECs and GOs)

Automated certificate creation, transfer, and surrender

Facilitates accounting of 'offline' certificate purchases and pre-existing certificate inventories



Batteries

Calculate Scope 2 emissions for battery charging activity and the avoided carbon impact of batteries over charge-discharge cycles using hourly grid carbon intensity

Apply latest discharge allocation methods, ensuring compliance with global standards

Align with emerging standards like EnergyTag for future participation in carbon markets

QuinTrace's Battery Module simplifies the complexities of understanding battery impact on carbon emissions, preparing organizations for a future where optimizing batteries for energy and carbon prices is standard practice.

Quinbrook is a contributing member of the EnergyTag battery storage working group and the Energy Storage Solutions Consortium Advisory Committee.

General Inquiries
support@quintrace.com

Quinbrook Infrastructure Partners is a specialist investment manager focused exclusively on lower carbon and renewable energy infrastructure investment and operational asset management in the U.S., U.K. and Australia. Quinbrook is led and managed by a senior team of power industry professionals who have collectively invested over US 8 billion of equity in energy infrastructure assets since the early 1990s, representing a total enterprise value of US 28.7 billion or 19.5 GW of power supply capacity. Quinbrook's investment and asset management team has offices in Houston, London, Jersey, and the Gold Coast of Australia. Quinbrook's global investment and portfolio company teams are actively developing and constructing a portfolio exceeding 8GW of onshore wind, solar PV, reserve peaking power, battery storage projects, grid support infrastructure, Virtual Power Plants and Community Energy Networks across the U.S., U.K. and Australia.



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