

We create, register and sell your carbon credits

The partnership between Decarb.earth and ZERO13 enables a fully optimised end to end carbon credit solution. We generate offsets through our IoT enhanced projects, verify them through a 3rd party auditor, register them with our registry and sell them through our market places, both on spot and future. The complete system allows you to tap in to previously unattainable **revenue** and **cashflow** for your carbon reduction initiatives.



Carbon Offsets - Our Primary Offering



Measurement

We track projects' energy and footprint data on-chain, creating an immutable source of data every step of the way.



Reporting & Verification

Using a 7-point methodology ensuring the offset's validity, we calculate CO₂e offsets and have them audited and verified.



Registry & Sale

The credits are registered and tokenized to ensure integrity and ease of transferability, selling these on through our marketplaces.

How It Works

What

How

Services

RE Project Standard and On-boarding

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Project Onboarding

All renewable energy (RE) projects that pass our qualifying standard are onboarded for carbon financing

We developed a high-impact (carbon emissions reduction and economic sustainability) standard for projects

Assess your project
Onboard qualifying projects

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Measurement

Raw energy data automatically collected straight from smart-meter source

Data collected via:

- APIs
- Cloud Aggregators
- Inverters

Track and measure raw energy data

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Methodology and Calculation of Carbon Emissions Reduction

Calculating your carbon emissions reduction in CO₂e offsets

We developed a RE specific and regionally adaptable carbon emissions reduction methodology and automatically calculate your CO₂e offsets

CO₂e offset calculation and minting of carbon offset tokens

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Verification and Auditing

- Raw energy data
- Methodology review
- Smart contract calculations
- Execution (see below) accuracy testing

We developed a full set of auditing principles and procedures with Mazars, our audit partner, to ensure 100% accuracy, completeness and existence of all carbon offsets issued

Full suite of verification with auditing included in the dMRV platform

- Buyers – Offer high quality/premium carbon credit
- Owner – Carbon reporting/accounting

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Reporting

Reporting on the amount of CO₂e emissions reduction achieved in metric tonnes.

We developed a smart contract driven allocation and reporting mechanism to provide continuous reporting to all smart contract participants

Automated reports and live view available to all CO₂e offset owners

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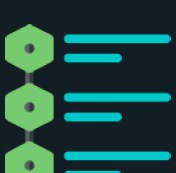
Socio-economic Protection

We protect and ensure the flow of funds to socio-economic partners in each RE Project on our platform

Using our smart contracts and RE Project Standard, we ensure that each project on our platform allocates 2% of the carbon financing towards a regional impact funds

Carbon funds deposited straight into the wallet of the impact fund automatically with no access to the wallet given to any other participant

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Carbon Registry

Through our digital registry we rubberstamp each carbon offset into a carbon credit for step 8 below

We list and validate each carbon offset onto a high quality digital carbon registry with all the attached meta-data

Creating a carbon credit for each CO₂e carbon offset minted on our platform

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Execution

The carbon credits can be

- Sold (point 9)
- Held
- Retired
- Staked

We offer each option at timed intervals to carbon credit holders.

- Sale – Monetising carbon finance for the CO₂e offset owner
- Hold – Owner holds offset for capital appreciation
- Retire – Owner utilises the offset for carbon accounting
- Stake – Owner invests carbon funding in other Projects

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Marketplace

We offer sale at both

- Spot
- Future

Our marketplaces ensure access to liquidity for the credits generated/ traded

- Regulated Exchange with Post Trade to match supply with demand for carbon credits and environmental impact assets, both for spot and future pricing
- Aggregation Hub to connect multiple markets, registries, buy and sell side participants & finance

It's never been more rewarding to do the right thing!

Get in touch:

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