What are RECs?

Renewable Energy Certificates (RECs), also known as Energy Attribute Certificates, are tradable environmental commodities. They can be bought and sold independently from the actual electricity produced.

1 REC = 1 megawatt-hour (MWh) of electricity produced from a renewable energy source (solar/ wind/ geothermal/ hydro/ biomass). Each REC issued has its own unique serial number generated by a REC Registry for traceability purposes.

How can RECs help you to decarbonise?

Green electricity and brown electricity are supplied into an electricity grid and mixed. As such, consumers are unable to trace their electricity use to renewable energy.

RECs resolve this issue of traceability with their unique serial numbers. Using RECs, consumers can trace their electricity usage to a renewable source that is supplying power to the grid they are drawing power from.

How do RECs work?

Electricity consumers must own and retire a REC to claim ownership of its environmental attributes, i.e. the claim to use renewable energy.

RECs can be conveniently bought and sold on the voluntary market. They are a simple to understand and implement decarbonisation instrument.

RE100 - RECS as a decarbonisation tool

Hundreds of companies, including major MNCs, have joined the RE100 initiative, officially committing to using renewable energy for 100% of their power needs and utilising RECs to meet their targets.
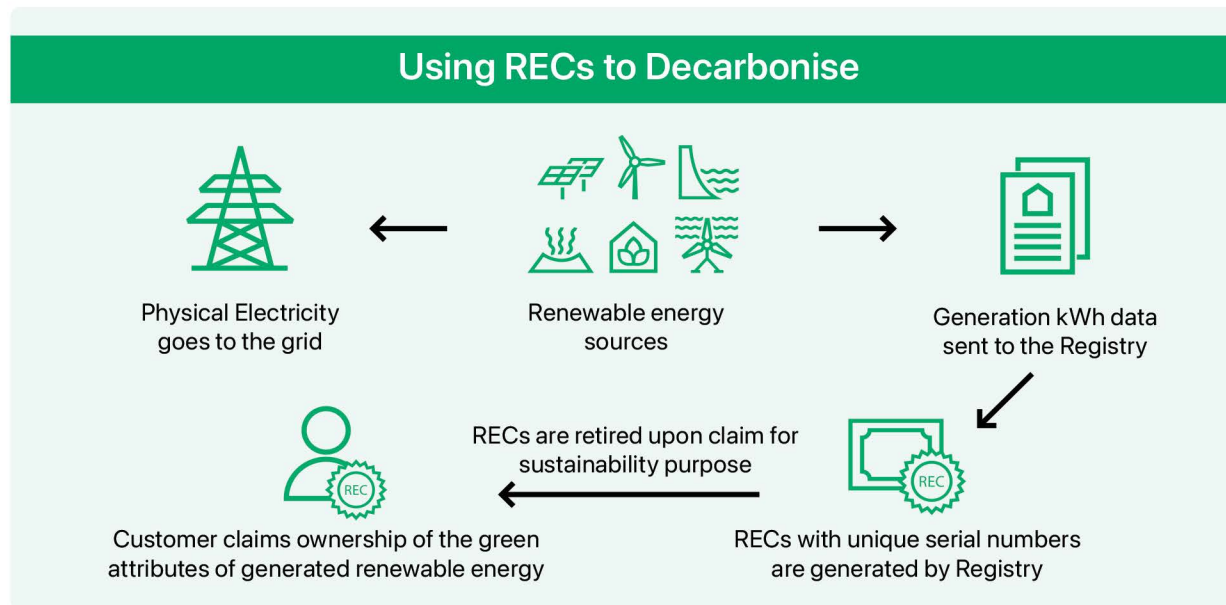
Visit https://www.there100.org/re100-members for more information.

Using RECs to Decarbonise

Physical Electricity goes to the grid

Renewable energy sources

Generation kWh data sent to the Registry

RECs are retired upon claim for sustainability purpose

Customer claims ownership of the green attributes of generated renewable energy

RECs with unique serial numbers are generated by Registry

Decarbonise with REDEX today

Reducing your carbon footprint should not be a burdensome challenge.

Start your net zero journey with us today!

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REC

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About REDEX

REDEX provides innovative technological solutions that enable companies to adopt renewable energy with ease. Headquartered in Singapore, we are the developer and operator of Asia's leading trading platform for Renewable Energy Certificates (RECs).

REDEX offers a one-stop ecosystem for RECs, supporting clients through the full REC lifecycle – asset registration, verification, marketplace and retirement.

One-stop RECs Ecosystem

REHASH
Trade Renewable Energy Certificates (RECs)
Asia's leading REC trading platform, digitally secured and integrated with internationally recognised RECs registry.

RECONNECT
Sell Home Generated RECs
A mobile app for distributed solar owners to conveniently register their devices, and issue and sell RECs.
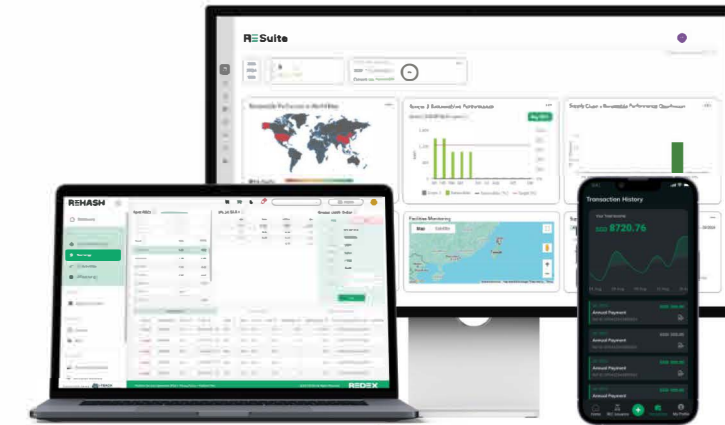
RESUITE
Manage Renewable Goals
RESuite matches RECs to business and supply chain electricity consumption, helping organisations to meet renewable energy targets.

Decarbonise with REDEX

REDEX makes decarbonisation convenient

As a one-stop REC ecosystem, REDEX's comprehensive solutions – REHash, REConnect and RESuite – remove major pain points for REC market participants, positioning us to become the #1 REC platform.

REHash – Asia's #1 trading platform for RECs

REHash, our trading platform, enables generators and issuers to digitally register assets and issue certificates, facilitate convenient trading between buyers and sellers, and support the retirement of RECs seamlessly. REDEX is an Accredited Platform Operator under the I-Track Foundation and REHash is API-integrated with the I-REC(E) Registry.

To provide assurance that all the RECs that are transacted on our platform are verified, audited and tracked to ensure ownership and authenticity, our REHash platform incorporates blockchain. The blockchain technology (distributed ledger) provides a permanent, unalterable history of the transactions associated with the RECs, eliminating double counting and providing proof of REC ownership.

REConnect – Simple DIY registration of solar power assets

REConnect allows rooftop solar power assets to be easily registered to the RECs registries, enabling small rooftop solar owners to earn additional income from the RECs generated.

RESuite – Supporting companies to meet renewable energy targets

With RESuite, we match credible RECs to consolidated electricity consumption of business operations and supply chains globally, helping organisations to achieve renewable energy targets.