

Softwire Technology Ltd 2021 Removal statement

This is to confirm that Softwire Technology Ltd has:

- Measured its 2021 carbon footprint
- Planned emission reduction actions
- Fully removed its measured footprint with permanent carbon removal offsets



Michelle You, Co-founder and CEO



Detail on providers

Softwire Technology Ltd purchased offsets equivalent to removing and storing 590 tonnes CO₂e: 354 tonnes through biochar, 142 tonnes through enhanced weathering, 35 tonnes through bio-oil, 59 tonnes through Direct Air Capture with an additional 94 tonnes of afforestation to bridge DAC and bio-oil purchases. With the exception of afforestation, these are all certified long-lasting carbon removal methods. Additionally, 10 tonnes of biochar and 1 tonne of enhanced weathering were purchased on behalf of individual employees who funded the purchase.

Biochar: Freres biochar is manufactured 62% from waste wood such as sawdust, 28% from bark, and 10% from agricultural waste. After modern treatment, each kilo (kg) of biochar stores 2.9kg CO₂e. Carboxef biochar is manufactured from spruce thinnings of sustainably managed Finnish PEFC-certified forests using modern pyrolysis treatment. Without treatment, the carbon in the biomass of the thinnings would decay releasing CO₂e into the atmosphere.

Afforestation: The International Small Group and Tree Planting Programme (TIST) is led by small groups of subsistence farmers in countries such as Tanzania, Kenya, Uganda, and India to reverse the devastating effects of deforestation, drought, and famine through tree planting initiatives.

Enhanced Weathering: Future Forest Company increases the surface area of basalt rocks through various forms of comminution, decreasing the time required to dissolve the rock from >100,000 years to around 1 year. They then spread the rock dust in forests where it locks away carbon whenever it rains, forming carbonate minerals that will be stable for millions of years

Bio-oil: Based out of the US, Charm uses plants to capture CO₂e from the atmosphere. They then convert biomass to bio-oil via fast pyrolysis, prepare the bio-oil for injection, transport it to an injection well, and inject it deep underground into rock formations that have stored crude oil and gas for hundreds of millions of years.

Direct Air Capture: Carbon Engineering DAC technology pulls in atmospheric air, then through a series of chemical reactions, extracts the CO₂e from it. Pure compressed CO₂e will then be stored underground.

Measurement

Total 2021 emissions:

562 tonnes CO₂e

Per employee footprint:

2.11 tonnes CO₂e/FTE

GHG intensity ratio (per £ revenue):

0.02 kgs CO₂e/£ Revenue

GHG Protocol

Scope breakdown tonnes CO₂e

8	28	527
Scope 1	Scope 2	Scope 3

* market based

Reporting period: 1 Jan 2021 - 31 Dec 2021

Emission sources: offices' electricity, fuel, and water use, additional fuel purchases, electricity and fuel used for remote-working, business travel, employee commuting, associated transmission and distribution, associated 'Well-To-Tank' emissions, capital goods (hardware), purchased goods and services (software, cloud, marketing, advertising, food and drink, cleaning, shipping, accommodation, consultants, and financial services).

Reduction

Opportunities for emission reductions include switching office energy providers, reducing meat & milk purchases, hardware maintenance and repair, and insulation and heating improvements when working from home. This adds up to 16% reduction in the next year on a per-employee basis.

Removal

Biochar (364 tonnes)

Delivery partners: Freres and Carboxef

Date of removal: 2021-12-01 to 2021-12-31

Retirement ID:

64300240655590861000000128195 To

64300240655590861000000128300

Link to public registry: https://cmo.grexel.com/CancellationStatements/CancellationStatement_193407_ea878560-2155-4458-9eb3-4e7dc6314d48.pdf

https://cmo.grexel.com/CancellationStatements/CancellationStatement_193407_ea878560-2155-4458-9eb3-4e7dc6314d48.pdf

Afforestation (59 tonnes)

Date of removal: 29.06.2022

Retirement ID: 11893-362763114-

362763172-VCS-VCU-352-VER-

KE-14-899-01012014-05012021-1

Delivery partner: Tist Program in Kenya

Enhanced weathering (143 tonnes)

Delivery partner: Future Forest

Offset date: 31/12/2022

Bio-oil (35 tonnes)

Delivery partner: Charm Industrial

Offset date: 31/12/2025

Direct Air Capture (DAC) (59 tonnes)

Delivery partner: Carbon Engineering

Offset date: Estimated 31/12/2025



Cancellation Statement

With this cancellation statement the CO2 Removal Certificates (CORC) are retired and cancelled for the use by the beneficiary. These CORCs are no longer tradable and onward sale of the indicated certificate numbers is prohibited.

Transaction details

Transaction Type:	Cancel
Transaction Date:	2022-06-08 10:59:46
Transaction Number:	2022060800010
Public link to cancellation statement:	https://cmo.grexel.com/CancellationStatements/CancellationStatement_193407_ea878560-2155-4458-9eb3-4e7dc6314d48.pdf

Message to Receiver: -

From

Account Holder:	Supercritical Tech Ltd
Account:	CR- Supercritical Tech Ltd-643002406800002157
Domain:	Puro CO2 Removal
Street:	71-75 Shelton Street
Postal Code and City:	WC2H 9JQ London
Country:	United Kingdom

To

Name of Beneficiary:	Softwire Technology Limited
Cancellation Purpose:	364 tonnes of carbon dioxide removal retired by Supercritical on behalf of Softwire Technology Limited as part of a portfolio to offset their 2021 emissions.
Consumption Period:	2021-01-01 to 2021-12-31
Country of Consumption:	United Kingdom
Location of Beneficiary:	United Kingdom
Usage Category:	Generic compensation
Type of Beneficiary:	End-consumer

Total

Total removed CO2 tons:	364
Total CORCs:	364

Certificate Number (From - To)	Volume	Production Information	CO2 Removal Method	Country	Issuing Date	Production Period	Production Facility (GSRN, Estimated Annual Production, name)	Trading Schemes	Public Support	Auditor	Audit Statement
64300240655 59086100000 00128195 To 64300240655 59086100000 00128300	106	-	Biochar	US	2022-01-13	2021-12-01 To 2021-12-31	64300240680100 0237 1 tnCO2eq. Freres Lumber Co., Inc.	CORC	No support	Philip Link, Energy Link Services Pty Ltd	-

64300240655 59086100000 00105976 To 64300240655 59086100000 00105976	1	-	Biochar	FI	2021-08-24	2021-07-01 To 2021-07-31	64300240680100 0015 1 tnCO2eq. Carbofex 1 Hiidenranta	CORC	No support	Heikki Lahtinen, DNV GL	-
64300240655 59086100000 00121108 To 64300240655 59086100000 00121223	116	-	Biochar	FI	2021-10-06	2021-09-01 To 2021-09-30	64300240680100 0015 1 tnCO2eq. Carbofex 1 Hiidenranta	CORC	No support	Heikki Lahtinen, DNV	-
64300240655 59086100000 00124570 To 64300240655 59086100000 00124599	30	-	Biochar	FI	2021-11-08	2021-10-01 To 2021-10-31	64300240680100 0015 1 tnCO2eq. Carbofex 1 Hiidenranta	CORC	No support	Heikki Lahtinen, DNV	-
64300240655 59086100000 00099213 To 64300240655 59086100000 00099323	111	-	Biochar	US	2021-08-24	2019-12-01 To 2021-05-31	64300240680100 0237 1 tnCO2eq. Freres Lumber Co., Inc.	CORC	No support	Philip Link, Energy Link Services Pty Ltd	-

Production Facility public information

Production Facility Name: Freres Lumber Co., Inc.

Production Facility GSRN: 643002406801000237

Domain of Production Facility: Puro CO2 Removal

Estimated Annual Production, tnCO2eq.: 1

Date of Commissioning: 2006-01-10

Location of Production Facility: 97358 Lyons, US

CO2 Removal Method: C03000000 - Biochar

CO2 Saved(kg/MWh): -

Primary Energy Savings(MJ/MWh): -

Primary Energy Savings(%): -

Use of Heat Code: -

Lower Calorific Value(MJ/kg, m3 or l): -

CO2 Emissions(kg/MWh): -

Thermal Capacity(MW): -

Mechanical Capacity(MW): -

Overall Primary Energy Savings(%): -

Useful Cogeneration Heat(GJ/MWh): -

Electrical Efficiency(%): -

Thermal Efficiency(%): -

Production Facility Name:	Carbofex 1 Hiidenranta
Production Facility GSRN:	643002406801000015
Domain of Production Facility:	Puro CO2 Removal
Estimated Annual Production, tnCO2eq.:	1
Date of Commissioning:	2017-06-01
Location of Production Facility:	33400 Tampere, FI
CO2 Removal Method:	C03000000 - Biochar
CO2 Saved(kg/MWh):	-
Primary Energy Savings(MJ/MWh):	-
Primary Energy Savings(%):	-
Use of Heat Code:	-
Lower Calorific Value(MJ/kg, m3 or l):	-
CO2 Emissions(kg/MWh):	-
Thermal Capacity(MW):	-
Mechanical Capacity(MW):	-
Overall Primary Energy Savings(%):	-
Useful Cogeneration Heat(GJ/MWh):	-
Electrical Efficiency(%):	-
Thermal Efficiency(%):	-



Certificate of Verified Carbon Unit (VCU) Retirement

Verra, in its capacity as administrator of the Verra Registry, does hereby certify that on 19 Jul 2022, 35 Verified Carbon Units (VCUs) were retired on behalf of:

Softwire Technology Limited

Project Name

TIST Program in Kenya, VCS 006

VCU Serial Number

11893-362763226-362763260-VCS-VCU-352-VER-KE-14-899-01012014-05012021-1

Additional Certifications

CCB-Biodiversity Gold; CCB-Climate Gold; CCB-Community Gold



Certificate of Verified Carbon Unit (VCU) Retirement

Verra, in its capacity as administrator of the Verra Registry, does hereby certify that on 29 Jun 2022, 59 Verified Carbon Units (VCUs) were retired on behalf of:

Softwire Technology Limited

Project Name

TIST Program in Kenya, VCS 006

VCU Serial Number

11893-362763114-362763172-VCS-VCU-352-VER-KE-14-899-01012014-05012021-1

Additional Certifications

CCB-Biodiversity Gold; CCB-Climate Gold; CCB-Community Gold