

Carbon Reduction Plan

Supplier Name: **Faculty Science Limited**

Publication Date: **December 2021**

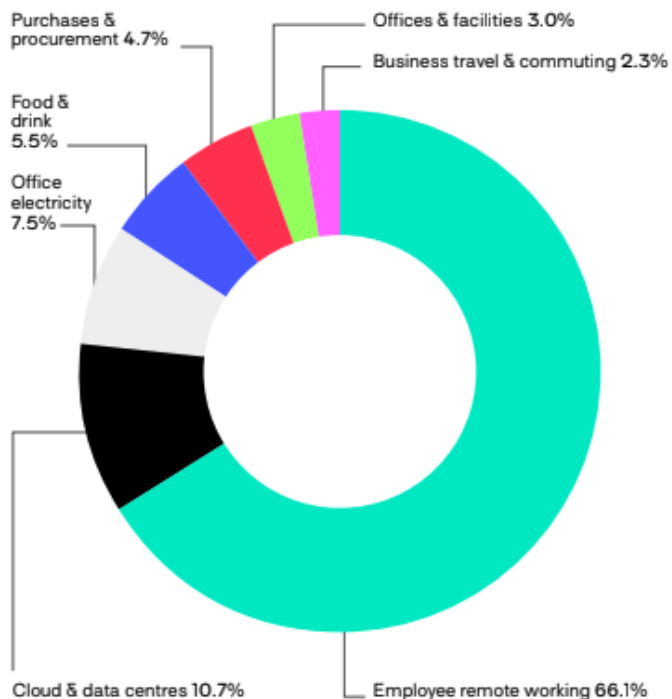
Commitment to achieving Net Zero

Faculty Science Limited is committed to achieving Net Zero emissions by 2026.

Baseline Emission Footprint

Baseline Year: 2020 (01/01/2020 - 31/12/2020)	
Additional Details relating to the Baseline Emissions calculations.	
Faculty Science Limited's 2020 Annual Carbon Footprint Report generates a <1 (tCO2e) for Scope 1 emissions. The impact of Covid-19 in 2020 meant that our head office was closed for the majority of the year. As a result, employees worked remotely. We enlisted the help of Supercritical to calculate these emissions, which now fall into Scope 3. Supercritical calculated our 2020 baseline tCO2e for scopes 1 - 3.	
Baseline year emissions:	
Emissions	Total (tCO2e)
Scope 1	<1
Scope 2	11.66
Scope 3	143.67
Total Emissions	155.33

Pie chart to represent total 2020 emissions (tCO2e)



Category	Scope	Footprint (t CO ₂ e)
Employee remote working	3	102.74
Cloud & data centres	3	16.68
Office electricity	2	11.66
Food & drink	3	8.59
Purchases & procurement	3	7.36
Offices & facilities	3	4.73
Business travel & commuting	3	3.57
Software end-user usage	3	Excluded
Company vehicles	1	N/A

Faculty 2020 Carbon Footprint Report

Current Emissions Reporting

Reporting Year: 2021 (01/01/2021 - 31/12/2021)	
Details relating to the Reporting Year	
The reporting period is less than 12 months from the baseline year calculation. We look forward to reporting our Carbon Footprint Report for 2021 in January 2022 (once the calendar year has elapsed).	
Baseline year emissions:	
Emissions	Total (tCO₂e)
Scope 1	n/a
Scope 2	n/a
Scope 3	n/a
Total Emissions	n/a

Specific carbon reduction measures

The following specific carbon reduction measures and projects have been completed or implemented since the 2020 baseline. These measures will apply when performing contracts under the Big Data & Analytics framework (RM6195)

- Detailed baseline and monitoring - Faculty uses reporting and monitoring by Supercritical (<https://gosupercritical.com/>) to measure our baseline carbon emissions. This provides us with a more robust and detailed report than the standard Carbon Trust methodology. Supercritical measures our current output across various categories, including business travel & commuting, offices & facilities, purchases, procurement, technology infrastructure, remote working and so on.
- Offsetting - We balance every ounce of carbon we produce by purchasing carbon removal offsets (Carbon removal offsets remove carbon from the atmosphere instead of conventional offsets that pay other companies not to emit CO₂). This means that we have measurable, verifiable emission reductions from climate action projects. We use biochar - plant and animal material turned into charcoal which, when mixed with soil, stores around 2.7 times more carbon than traditional soils. We're combining this with enhanced weathering and bio-oil sequestration that will permanently remove the 155 tonnes CO₂e we emitted in 2020 by December 2021. Our carbon removal offsets portfolio consists of 62% biochar (96 tonnes purchased from Carbofex) 32% enhanced weathering (50 tonnes purchased from Future Forest Company) and 6% bio-oil sequestration (9 tonnes purchased from Charm Industrial). These offset methods mean there is long-term CO₂e storage (permanence of between 800 - 10,000 years).
- Working with a number of companies through our Faculty fellowship programme to explore how AI can support sustainability organisations. For example, five of the twelve host companies involved in our 19th fellowship work in the sustainability sector, and we expect to work with many more in the future.
- Dedicate our R&D to ensuring that as an organisation, we can use AI to reduce our carbon footprint. AI will be an essential technology for energy transition and will play a critical role in the decarbonisation process. In November 2021, Faculty launched its new Energy Transition and Environment function.
- Engaging the wider UK tech sector and acting as a champion. Faculty, in partnerships with Technation and Bulb has joined 14 other fastest-growing UK tech companies to form the "Tech Zero Taskforce" and work alongside the British government's sustainable business council to help tackle climate change with commitments to reach net zero and boost green investment. <https://techzero.technation.io/>

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard³.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of by director (or equivalent)



Name: Angie Ma

Role: Chief People Officer

Date: **06/12/2021**

¹ <https://ghgprotocol.org/corporate-standard>

² <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³ <https://ghgprotocol.org/standards/scope-3-standard>