



Carbon Reduction Plan

Supplier name: Universal Security Systems

Publication date: 30/08/2022

Commitment to achieving Net Zero

Universal Security Systems is committed to achieving Net Zero emissions by 2025

Baseline Emissions Footprint

Universal Security Systems measured its total CO₂-equivalent (CO₂e) emissions for a selection of USS activities. These are: - fuel combustion (natural gas), business mileage in company owned vehicles and refrigerant loss (Scope 1), emissions from purchased electricity (Scope 2), and business mileage in privately owned vehicles and flights (Scope 3). The reference to 'Scope' is derived from the GHG Protocol. Scope 1 covers activities over which the company has direct control. Scope 2 & 3 are activities which are indirect and over which the company has limited control.

USS has chosen to focus on the activities that comprise most emissions and where it has greater control or influence, regardless of scope. Therefore, the (Scope 3) flights category is included in the 'Total CO₂e' figure and USS's emissions reduction target.

USS's target in 2021 was to, 'Achieve and maintain a carbon footprint of 20 Tonnes (or less) CO₂e per £1M of turnover, per year. Where this is not met, buy carbon offsets to meet the shortfall.' This target was met in 2021 with only 9.96 t CO₂e emitted per million of revenue. This represents the lowest footprint yet achieved both relative to revenue and also in absolute terms; with a total of 196.7 t CO₂e emitted. It was achieved despite a fall in revenue; the decline in CO₂e per million of turnover being driven by a substantial decline in emissions.

Travel in company cars continues to be by far the most important source of emissions, comprising 75% of the total. USS has a policy to increase the number of hybrid cars in its fleet. Flights usually account for the second most important emission source, and periodically rise and fall, increasing in years when USS is establishing new overseas operations, and falling again once local staff are recruited to manage these markets, Nevertheless, the emissions from flights in 2021 is at an all time low, and responsible for the relatively low emissions in 2021.

No data was available for the business use of private cars, therefore 2020 figures were used for 2021. This is likely to be accurate as fuel consumption and emissions varied little throughout 2018 - 2020. In 2021 the footprint included only UK operations and flights taken by UK staff, whereas in previous years overseas electricity, gas use and fuel was included. The effect of this methodological change is negligible; for example, in 2020 overseas operations accounted for approximately 2 t CO₂e.

Baseline Year:2009	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)



Scope 1	146.86
Scope 2	24.01
Scope 3 (Included Sources)	114.54
Total Emissions	285.41

Current Emissions Reporting

Reporting Year: 2021	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	154.5
Scope 2	9.6
Scope 3 (Included Sources)	32.6
Total Emissions	196.7

Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

We project that carbon emissions will decrease over the next three years to 0tCO₂e by 2025 therefore beating the Cabinet Office requirements to achieve net zero by 2050.

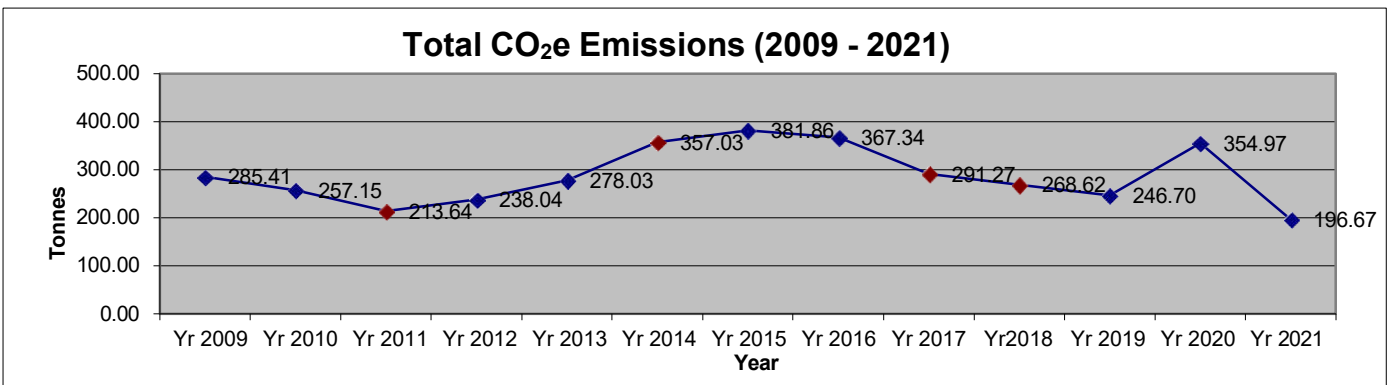
This will be achieved by

- All electricity from renewable sources
- Cutting down on all travel using TEAMS meeting systems
- Vehicle fleet all hybrid or electric
- Awareness and training to promote decrease in usages, recycling, reusing
- Offsetting emissions that cannot be avoided



Progress against these targets can be seen in the graph below:

CARBON FOOTPRINT 2009 - 2021: UNIVERSAL SECURITY SYSTEMS LIMITED														
		Yr 2009	Yr 2010	Yr 2011	Yr 2012	Yr 2013	Yr 2014	Yr 2015	Yr 2016	Yr 2017	Yr 2018	Yr 2019	Yr 2020	Yr 2021
Scope	Source	2009 CO2e (tonnes)	2010 CO2e (tonnes)	2011 CO2e (tonnes)	2012 CO2e (tonnes)	2013 CO2e (tonnes)	2014 CO2e (tonnes)	2015 CO2e (tonnes)	2016 CO2e (tonnes)	2017 CO2e (tonnes)	2018 CO2e (tonnes)	2019 CO2e (tonnes)	2020 CO2e (tonnes)	2021 CO2e (tonnes)
1	Electricity	24.01	23.0	18.56	11.37	7.55	6.92	8.83	5.19	5.47	5.27	4.66	4.26	9.58
1	Natural Gas	8.31	6.1	5.20	7.99	8.61	5.90	7.71	9.10	8.45	9.07	7.76	4.09	6.80
3	Business mileage - privately owned & rental cars	55.14	56.3	36.25	36.87	36.87	36.87	59.28	82.87	42.99	21.74	21.55	25.03	23.03
1	Business mileage - company cars	138.55	142.6	118.83	144.76	170.04	196.21	189.11	182.50	188.57	178.78	174.53	196.18	147.65
1	Refrigerants	0	0	0	0	0	0	0	0	0	13	0.00	0.00	0.00
3	Flights	59.40	28.2	84.80	37.05	64.96	111.13	118.92	87.69	45.78	40.23	38.40	176.51	9.60
	Total Scope 1	146.86	148.7	124.0	152.7	196.6	196.6	196.6	191.6	197.0	201.4	182.3	201.2	154.5
	Total Scope 2	14.01	23.0	18.6	15.4	8.6	5.2	8.6	5.2	5.5	5.3	4.2	4.2	9.6
	Total Scope 3	114.54	85.5	71.1	73.9	73.9	178.2	170.6	88.8	62.0	59.8	149.5	149.5	32.8
	GRAND TOTAL (tonnes CO2e)	285.41	257.15	213.64	238.04	278.03	379.03	375.03	367.34	367.34	368.63	346.70	354.07	196.70
	Emissions (tonnes CO2e per £1m turnover)	39.6	36.22	28.25	33.47	34.27	34.45	30.10	21.23	14.53	9.99	9.14	11.81	8.96
	TARGET	59.1												26



Carbon Reduction Projects - Carbon Reduction Initiatives (ongoing)

The following environmental management measures and projects have been completed or implemented since the 2009 baseline. The carbon emission reduction achieved by these schemes equate to 100tCO₂e, a 30%ge reduction against the 2009 baseline and the measures will be in effect when performing the contract

In the future we hope to implement further measures such as:

- All electricity from renewable sources
- Cutting down on all travel using TEAMS meeting systems
- Vehicle fleet all hybrid or electric
- Awareness and training to promote decrease in usages, recycling, reusing

Declaration and Sign Off

This Carbon Reduction Plan has been completed with associated guidance and reporting standard for Carbon Reduction Plans.

This Carbon Reduction Plan has been presented to and agreed by the Board of Directors.

Signed on behalf of the Supplier:

Steve Dorking

Managing Director

Date: 05/10/2022