

1-0.8K Carbon Reduction Plan Policy

Contents

١.	Relief OK Carbon & Sustainability Contacts	3
2.	Commitment to Achieving Net Zero	3
3.	Baseline Emissions Footprint	3
	3.1 Baseline Year	3
	3.2 Additional Details Relating to the Baseline Emissions Calculations	3
4.	Baseline Year Emissions	4
5.	Last Year's Emissions Reporting	5
6.	Emissions Reduction Targets	5
7.	Our Leading Targets	6
8.	Carbon Reduction Projects	7
	8.1 Completed Carbon Reduction Initiatives	7
	8.2 Ongoing or Planned Carbon Reduction Initiatives	7
9.	Declaration & Sign Off	8

Name of the standard						KELLER
Scope	Category	Туре	Number	Revision	Date of issue	Dogo 1
UK	HS	PC	1-0.8K	3.0	28 MAR 2024	Page 1

1. Keller UK Carbon & Sustainability Contacts

Supplier Name: Keller Limited (00485692)

Plan Publication Date: 25/03/2024

Company Contacts: Mark Williams (UK Development Director & Carbon Reduction Lead)

Mobile: +44 (0)7557 033271 Email: mark.williams@keller.com

&

Luke Deamer (Group Sustainability Manager)

Tel: +44 (0)207 6167579 Email: <u>luke.deamer@keller.com</u>

2. Commitment to Achieving Net Zero

Keller Limited is committed to achieving Scope 2 Net Zero emissions by 2030, Scope 1 by 2040 and Scope 3 Operations by 2050.

3. Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

3.1 Baseline Year: 2019

3.2 Additional Details Relating to the Baseline Emissions Calculations

- Keller Limited is committed to reducing our carbon emissions. This is driven in part by existing and upcoming UK legislation, client, public and investor demand and our own employees. More fundamentally though, we must decarbonise for the sake of our planet and future generations.
- We use a carbon hierarchy to prioritise carbon reduction initiatives and structure our leading targets.

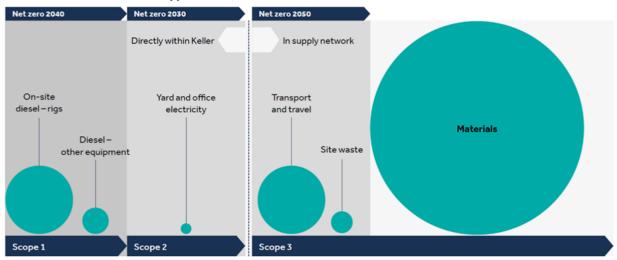
The carbon hierarchy

Eliminate emissions completely eg eliminate concrete, cement and steel, Teams instead of travel	Eliminate
Reduce emissions eg reduce number of piles and pile diameter, improve the efficiency of our processes	Reduce
Substitute emission sources eg low-carbon cements, recycled steel/aggregate, offices powered by renewable power	Substitute
Compensate eg carbon-negative solutions, carbon offsetting ('carbon credits')	Compensate

Name of the standard						KELLER
Scope	Category	Туре	Number	Revision	Date of issue	Dogo 2
UK	HS	PC	1-0.8K	3.0	28 MAR 2024	Page 2

- Scope 1 and 2 emissions are third-party verified to ISO 14064-3, SECR and the GHG Protocol.
 Scope 2 is calculated by the location-based approach for the baseline year, but by market and location-based approaches for all future years.
- Our Scope 3 recording has not been independently verified, however, from trials of carbon
 calculations on site, Scope 3 makes up 80% to 90% of all emissions on non-ground
 improvement projects. This makes Scope 3 by far our largest source of emissions. These
 emissions are predominantly from our use of cement and steel. Whilst most of these emissions
 occur in our supply network, we still have an influence over these emissions in our designs,
 procurement and final execution of projects.

Relative size of our emissions (approximate)



4. Baseline Year Emissions

EMISSIONS

Scope 1 (Direct emissions from burning fossil fuels)

Scope 2 (Indirect emissions from using grid electricity)

Scope 3 Operations (Business travel, transportation of materials & waste)

Scope 3 Materials (Materials inc. supply network)

Total Emissions (Scope 1 & 2)

Total Emissions (Scope 1 & 2) per £m revenue

TOTAL (tCO2e)

3,915

265

[Not verified]

[Not verified]

4,180 64

Keller UK 2019 emissions

4,180 tCO₂e (Scope 1 and location-based Scope 2) **64** tCO₂e / £m revenue



Name of the standard						KELLER
Scope	Category	Туре	Number	Revision	Date of issue	Dogo 2
UK	HS	PC	1-0.8K	3.0	28 MAR 2024	Page 3

Last Year's Emissions Reporting 5.

2023 **Reporting Year:**

EMISSIONS TOTAL (tCO2e)

4,202 Scope 1 (Direct emissions from burning fossil fuels)

Scope 2 (Market-based | Indirect emissions from our green energy tariff) 0

Scope 2 (Location-based | Indirect emissions from using grid electricity) 105

Scope 3 Operations (Business travel, transportation of materials & waste) [Not verified] [Not verified]

Scope 3 Materials (Materials inc supply network)

Total Emissions (Scope 1&2 market-based) per £M revenue

Total Emissions (Scope 1&2 market-based) 4.202

4,307 **Total Emissions (Scope 1&2 location-based)**

Total Emissions (Scope 1&2 location-based) per £M revenue 34

4,202 tonnes of CO₂e (Scope 1 and 2)

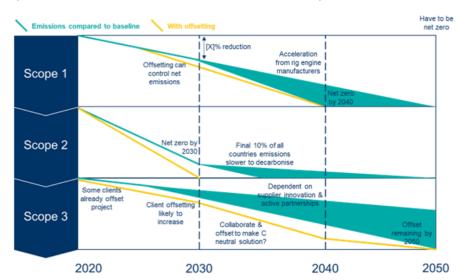
34



Emissions Reduction Targets 6.

Before considering specific targets, we must consider our end goal. The Paris Accord and resulting legislation means that we must be net zero for Scope 1 and Scope 2 by 2050. We do, however, recognise the wider opportunities to reach net zero for specific Scopes ahead of these targets. For this reason both Scope 1 and scope 2 net zero will be achieved more than a decade prior to 2050.

Whilst there are greater uncertainties in the rate of Scope 3 decarbonisation, our supply chains are also expected to be net zero by 2050. To achieve net zero, we may need to purchase accredited carbon offsets as a last resort. This may be considered as an internal carbon price.



Name of the standard						KELLER
Scope	Category	Туре	Number	Revision	Date of issue	Dogo 4
UK	HS	PC	1-0.8K	3.0	28 MAR 2024	Page 4

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

- We project that carbon emissions for Scope 1 per £m revenue will decrease over the next year to 32 tCO₂e/£m by 2025. This is a further reduction of 5% on 2023.
- Our green energy tariffs already result in zero Scope 2 market-based emissions.
 However, because this carbon reduction is important to our business, we recognise the need to decrease our electricity usage and our Scope 2 location-based emissions.
- After a small increase as we returned to office working post Covid restrictions, we continued to decrease our emissions. We project that Scope 2 will further decrease over the next year.

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





7. Our Leading Targets

We have put in place a number of leading targets to drive decarbonisation underneath each of the net zero targets.

Scope	Scope	Target	Metrics / target				
1	1 Net zero	(a) 35% reduction in Scope 1 $\mathrm{CO_2e}$ / £m revenue target	Group: 35% reduction from 2019 baseline BUs: 5% reduction in LC from 2023				
	2040	(b) Design the next generation electric Vibrocat – VC08-E	Design completed				
2	2 Net zero	(a) 50% reduction in Scope 2 market-based emissions from 2019 baseline	Group: 50% reduction from 2019 baseline BUs: 10% reduction from 2023				
	2030	(b) Institute net zero awards (market-based Scope 2) for offices / yards	Number of net zero offices / yards				
3 Operational	3 Operational	(a) Continue to introduce increased car incentives for hybrid and electric vehicles	No. BUs with electric / hybrid car incentives				
	Net zero 2050	(b) Begin tracking business travel flights across the group and trial offsetting GHO and divisional flights	No. of BUs reporting flights				
3 Materials	3 Materials	(a) Implement short-term initiatives (see workshop outcomes)	Percentage completed in 2024				
		(b) Start capturing Scope 3 emission reductions	Estimate achieved				
	All targets are to be achieved by the end of 2024. Targets in bold are linked to bonus All reduction targets use 2019 as a baseline year Note to achieve net zero, we may need to purchase accredited carbon offsets as a last resort. This may be considered as an internal carbon price. Operational Scope 3 emissions cover business travel, material transportation and waste disposal						

Name of the standard						KELLER
Scope	Category	Туре	Number	Revision	Date of issue	Dogo F
UK	HS	PC	1-0.8K	3.0	28 MAR 2024	Page 5

8. Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2019 baseline. The carbon emission reduction achieved by these schemes equates to at least 2,833tCO₂e reduction against the 2019 baseline. Our overall emissions have fallen from the 2019 baseline by 47%, although this includes a period of change within the market as a result of Covid, the implementation of Brexit and other external factors.

We have completed a number of projects specifically designed to reduce our carbon emissions per £m revenue. These include:

- Investing in new replacement plant and rigs (Scope 1)
 - We upgraded 2 more rigs with state-of-the-art tier 5 engines delivering an improvement in carbon emissions, noise pollution and air quality.
 - Our in-house rig manufacturer, KGS, have released their first electric rig which improves air quality by eliminating tail pipe emissions, reduces the noise generated by 10dB and with fewer mechanical parts, requires less maintenance. Across it's lifetime, it is expected to reduce 1,800tCO₂e.
- We generated 8,159 kWh in 2023 from photovoltaic cells on our UK H/O saving 2.68tCO2e.
- Development of Halocrete. (Scope 3)
- Development of Neutrogel. (Scope 3)
- Re-use of jet grouting spoil. (Scope 3)
- Energy Saving Opportunity Scheme (ESOS) has seen us make us office improvement savings e.g. office lighting and educating employees about energy saving initiatives. (Scope 2)
- We continue to work to ISO14001:2015 environmental standards; we have achieved the Supply Chain Sustainability School Gold Award; we 3rd party verify our Scope 1 & 2 emissions to ISO14064-3; we annually disclose our carbon and climate change performance to CDP.
- Onsite Recycling and re-use of Bentonite.

$$\downarrow$$
£=174.5K \downarrow CO₂e = 307t OR approx.114x $\stackrel{\text{CO,e}}{\downarrow}$ year

- We have an established review and innovation programme in place to reduce carbon, material usage, programme and we ran group-wide workshops on material decarbonisation.
- HVO fuel trials conducted in our yards and on special projects. (Scope 1)

$$\uparrow$$
£ 5.2K \downarrow CO₂e=97.6t OR approx 36x \downarrow UK per year

- Embedding the carbon calculator within our estimating spreadsheets.
- A renewed company car scheme with a vastly reduced CO₂e threshold.
- Collaborating with industry partners to identify and share carbon reduction best practices through client meetings and representation on the FPS sustainability committee.
- The use of coarser a grout mix to reduce the wastage of microfine cement.



Name of the standard						KELLER
Scope	Category	Туре	Number	Revision	Date of issue	Dogo 6
UK	HS	PC	1-0.8K	3.0	28 MAR 2024	Page 6

- Sharing our knowledge and carbon reduction strategy with schools, colleges and university students through our STEM programme to help develop this focus in future generations.
- Value Engineering the HS2 D-Wall.



Ongoing or Planned Carbon Reduction Initiatives

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

- The use of HVO fuel on special projects and when accepted/specified. (Scope 1)
- Introducing a rig decarbonisation strategy into our existing rig renewal programme.
- Engaging our supply network, both upstream and downstream, on capturing and reducing our Scope 3 carbon emissions.
- We also plan to decarbonise our maintenance yard and office space with a number of specific initiatives:
- We are undertaking lab trials of low carbon cements to understand how they behave in different ground conditions.
- We are trialling additives and ad mixtures to decrease cement volumes and embedded carbon.



Name of the standard						KELLER
Scope	Category	Туре	Number	Revision	Date of issue	Dogo 7
UK	HS	PC	1-0.8K	3.0	28 MAR 2024	Page 7

9. Declaration & 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 standard and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.

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) Standard⁹.

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

	DE JOUSA
Signed on behalf of Keller:	
Date:	28/03/2024

10. Document Change Record

Revision	Date of issue	Approval for use	Parts affected	Change description
3.0	28/03/2024	MW & JG	All	2024 update with 2023 results.

Name of the standard						KELLER
Scope	Category	Туре	Number	Revision	Date of issue	Page 8
UK	HS	PC	1-0.8K	3.0	28 MAR 2024	