

2.3.2.1.3. Metrics and targets EFPD12a EFPD12c

2.3.2.1.3.1. Objectives²⁰ EFPD12c

In 2022, Renault Group reached its primary commitment to reduce its global carbon footprint: -25% versus 2010.

The Group's ambition for 2050 is to achieve carbon neutrality over the entire product lifecycle everywhere in the world (by 2040 in Europe). To align with this goal, new interim milestones to be reached by 2025 and 2030 were set in early 2021 based on results achieved in 2019 (instead of 2010).

Metrics and targets	Starting point	2022 target	Status at year-end 2022
Reduce the carbon footprint of Renault Group vehicles sold worldwide on average	2010	-25%	-25%

See definition, scope and calculation method for Renault Group's carbon footprint in appendix 2.6.1.2.B.

Greenhouse Gas Protocol scopes 1 and 2

Metrics and targets	Starting point	2025 interim target	2030 target	Status at year-end 2022
Reduce carbon intensity ⁽¹⁾ of Renault Group sites (CO ₂ e / vehicle produced)	2019	-50% ⁽²⁾	-80% ⁽³⁾	-26% ⁽²⁾
Reduce energy intensity on Group sites (MWh / vehicle produced)	2021	-30% World -40% France		-14% World -7% France
Increase the share of renewables in electricity consumed at Group sites	-	-	80% ⁽⁴⁾	51%
Increase the share of renewables in the supply of heat to Group sites	-	-	70%	4%
Achieve neutrality (net zero) of Group sites ⁽⁵⁾	-	Sites of ElectriCity ⁽⁶⁾	All sites Europe	

(1) Direct and indirect emissions associated with energy consumption of the sites divided by the total number of vehicles produced (see categories scope 1 and scope 2 categories in the table of Renault carbon footprint categories table in 2.6.1.2.B).

(2) 2025 target in absolute value: Scopes 1+2 carbon footprint below 572,000 metric tons of CO₂e

(3) 2030 target in absolute value: Scopes 1+2 carbon footprint below 230,000 metric tons of CO₂e

(4) This is 10% more ambitious than the previous target.

(5) Residual emissions will be offset.

(6) Reference electrical industrial center located in the North of France.

Carbon Footprint Scope 3

Metrics and targets	Starting point	2025 interim target	2030 target	Status at year-end 2022
Well-to-wheel emissions				
Reduce CO ₂ e emissions per vehicle sold in Europe	2019	-35%	-65%	-16%
Reduce CO ₂ e emissions per vehicle worldwide, including the Lada brand	2019	-20%	-35%	-12%
Parts and materials				
Reduce CO ₂ e per kilogram of materials	2019	-	-30%	
Batteries				
Reduce CO ₂ e emissions from battery manufacturing	Zoe 2019	-20% New R5	-35% All new models	Currently not applicable
Logistics				
Reduce well-to-wheel CO ₂ e emissions from logistics activities	2019	-	-30% per vehicle	-1% ⁽¹⁾

(1) Between 2019 and 2022, the scope for calculating this indicator was expanded. First, in 2021, the Flins used vehicle plant started production, and the Shyan plant in China started exporting vehicles to Europe. Then, in 2022, a new manufacturing site started production in Karsan, Turkey. In addition, the electronic components crisis led to a very significant increase in the need for breakdown services and therefore deliveries by air. On a like-for-like basis in 2019 and excluding the effects of the component crisis, there is a reduction in emissions per vehicle of around 10%. Renault Group remains on track to achieve the 30% reduction target in 2030. Thanks to new technologies that will become available in the next few years (such as 40 T EV or hydrogen trucks, a more massive deployment of sail-powered freighters, greater availability of rail solutions), the decarbonization of logistics activities should accelerate significantly starting in 2025.

20 Scope of objectives: scope described in appendix 2.6.1.3.

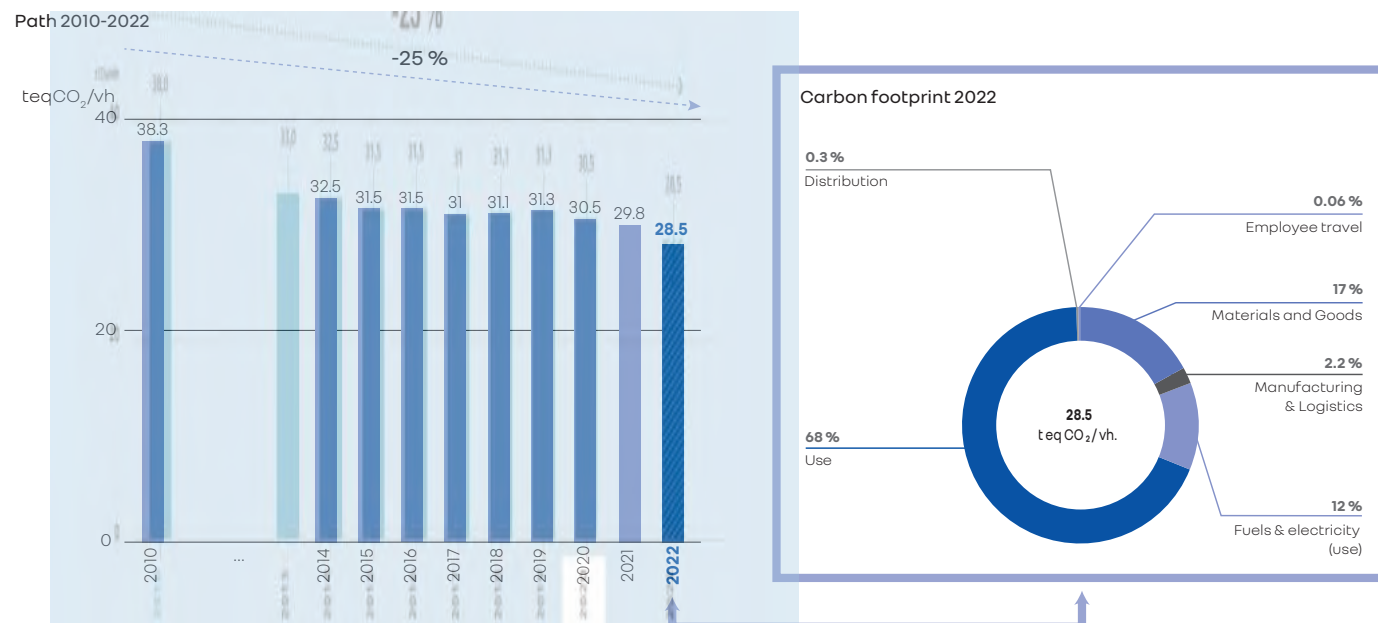
Between 2019 and 2030, Renault Group is committed to reducing by 30% the greenhouse gas emissions associated with the purchase of goods and services, transport and distribution, use and end-of-life treatment

of products sold (categories 1, 4, 9, 11 and 12 of the GHG protocol). In absolute terms, on the same scope, Renault Group therefore aims to achieve a carbon footprint of less than 67,000,000 metric tons of CO₂e.

2.3.2.1.3.2. Indicators **DPEF12a**

Carbon footprint of scopes 1 + 2 + 3

Carbon footprint per vehicle sold within the Renault Group scope



Breakdown of GHG emissions by Greenhouse Gas Protocol category

GHG Protocol categories	Scope	Value (teq. CO ₂)
Scope 1	Direct emissions	423,071 ^(v)
Scope 2	Indirect emissions	183,201 ^(v)
Scope 3	Other emissions produced	56,453,090
	Materials and goods (including maintenance and end-of-life treatment)	9,637,087
	Logistics & procurement (upstream & downstream)	666,323
	Daily commuting and business travel	33,969
	Sales and after-sales (distribution)	178,407
	Use of products sold ^(l) (including fuel and electricity production)	45,937,304
Total	Scopes 1 + 2 + 3	57,059,363

Details of the scopes in appendix 2.6.1.2 and 2.6.1.3.

(l) Well-to wheel, WLTP equivalent. Gains from eco-innovations and eco-driving have been included in this line

(v) Indicators verified by the independent third-party organization at a reasonable level of assurance for the 2022 financial year.