

VOLKSWAGEN

AKTIENGESELLSCHAFT

SASB INDEX 2024

CATEGORY	REQUIREMENT	ANSWER
Product Safety	Percentage of vehicle models rated by NCAP programs with an overall 5-star safety rating, by region	Volkswagen Passenger Cars attaches great importance to the safety of its vehicles when designing and developing its products. In 2024, a wide range of Volkswagen Passenger Cars products achieved top grades in global consumer tests. In Europe, both launched vehicles, the new Tiguan and the new Passat were awarded with the best possible rating of 5 stars. In addition, the electrical vehicle ID.7 Tourer and the product upgrades of the Volkswagen T-Cross and Golf were also assessed with 5 stars. In China, the Lavida XR achieved the best possible rating from the C-IASI organization – GOOD in all categories. Global NCAP rated the facelift of the Volkswagen Polo Vivo with the second-best score for the adult occupant protection – 4 stars. For the child occupant protection, the vehicle reached 3 stars. In the USA, the Volkswagen ID.4, the Atlas and the Atlas Cross Sport achieved the safety rating “Top Safety Pick” in the IIHS consumer test. Atlas and Atlas Cross Sport were also tested in the US-NCAP category “recommended safety technology” and meet the performance criteria. Volkswagen also achieved the highest rating in the South American Latin NCAP with the updated T-Cross and achieved 5 stars.
	Number of safety-related defect complaints, percentage investigate	The Product Safety Department ensures that all issues (100%) are procedurally regulated and that there is a secure process in place (approved by independent third parties). Information concerning recalls is made public and visible to consumers through the authorities. We will not give detailed information and/or give figures on these events. This is justified by the fact that the number of product recalls and vehicles, the cost of product recalls and service actions do not provide a serious base to evaluate general product quality and are always worth interpreting in comparison with other manufacturers. Our aim is to protect consumers as best as possible and to provide information about possible dangers quickly and transparently in coordination with the authorities.
	Number of vehicles recalled	In 2024, 7.979.609 vehicles were subject to a recall, share of online remote updates: 35,5% - (2.832.509).
Labor Practices	Percentage of active workforce covered under collective bargaining agreements	
	(1) Number of work stoppages and (2) total days idle	

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Fuel Economy & Use-phase Emissions	Sales-weighted average passenger fleet fuel economy, by region	The Volkswagen Group’s new passenger car fleet (excluding Lamborghini and Bentley) in the EU (EU27+2) emitted an average of 118 g CO₂/ km (WLTP) in the reporting period in accordance with statutory measurement bases, compared with a statutory target of 122 g CO₂/km (WLTP). The Volkswagen Group’s new light commercial vehicles fleet in the EU emitted an average of 190 g CO₂/ km (WLTP) in the 2024 reporting period in accordance with statutory measurement bases, compared with a statutory target of 195 g CO₂/km (WLTP). In the USA, the GHG CO₂ forecast value for the passenger car and light commercial vehicle fleets in model year 2024 was an average of 138 g CO₂/km (model year 2023: 123 g CO₂/km), compared to a statutory target of 117 g CO₂/km (model year 2023: 123 g CO₂/km). Taking into account the statutory flexibilities for the GHG and CAFE regulations, the Volkswagen Group endeavors to comply with applicable requirements – subject to confirmation by the authorities. The figure given for model year 2024 is also subject to confirmation by the US Environmental Protection Agency (EPA).																												
	Number of (1) zero emission vehicles (ZEV), (2) hybrid vehicles, and (3) plug-in hybrid vehicles sold	<table><tr><th colspan="4">Alternative drive technologies in the Group</th></tr><tr><th></th><th></th><th>2024</th><th>2023</th></tr><tr><td>Worldwide</td><td>Volkswagen Group production: Volkswagen Passenger Cars, Audi, SKODA, SEAT, Volkswagen light commercial vehicles</td><td></td><td></td></tr><tr><td>Gas drives (natural gas and LPG)</td><td>Number of vehicles produced/ percentage change</td><td>2,629</td><td>7,189/-63.4</td></tr><tr><td>Hybrid drives</td><td>Number of vehicles produced/ percentage change</td><td>212,739</td><td>253,009/-15.9</td></tr><tr><td>All-electric drives</td><td>Number of vehicles produced/ percentage change</td><td>735,728</td><td>769,431/-4.4</td></tr><tr><td>Alternative drives (total)</td><td>Number of vehicles produced/ percentage change</td><td>951,096</td><td>1,029,629-7.6</td></tr></table>	Alternative drive technologies in the Group						2024	2023	Worldwide	Volkswagen Group production: Volkswagen Passenger Cars, Audi, SKODA, SEAT, Volkswagen light commercial vehicles			Gas drives (natural gas and LPG)	Number of vehicles produced/ percentage change	2,629	7,189/-63.4	Hybrid drives	Number of vehicles produced/ percentage change	212,739	253,009/-15.9	All-electric drives	Number of vehicles produced/ percentage change	735,728	769,431/-4.4	Alternative drives (total)	Number of vehicles produced/ percentage change	951,096	1,029,629-7.6
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	Discussion of strategy for managing fleet fuel economy and emissions risks and opportunities	The two levers with the greatest influence on greenhouse gas emissions across the entire life cycle of Volkswagen products are the Group’s electric offensive and the Renewable Energies strategy. This strategy involves the integration of renewably generated electricity into the use phase of electric vehicles and plug-in hybrid electric vehicles and globally switching plants’ external power supply to renewable energy. Around 90% of the decarbonization targeted by the Group can be realized through electrification of the fleet and switching to green energy.																												

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Materials Sourcing	Description of the management of risks associated with the use of critical materials	The Volkswagen Group has implemented a Raw Material Due Diligence Management System (RMDDMS). The RMDDMS is overseen by a Steering Group and guided by a Working Group that included representatives from Sustainability in Procurement teams from all brands. It covers 16 high risk raw materials that have been derived from the results of the Material Change Report (DRIVE Sustainability 2018). Those 16 raw materials are: battery raw materials cobalt, lithium, nickel graphite; conflict minerals (3TG) tin, tantalum, tungsten gold; and other materials aluminium, copper, leather, mica, platinum group metals (PGM), rare earth elements (REE), natural rubber and steel. The RMDDMS is a strategic and systematic group wide approach to identify and assess raw material risks (sourcing, processing and in their specific supply chains). Based on the risk assessment systematic mitigation measures are being developed and implemented. Constant monitoring and, if needed, adjustments to those measures are part of the RMDDMS and will be conducted annually. The report on the Group's 2024 activities is available at:  → Volkswagen Responsible Raw Materials Report 2024 The report entails a detailed description of the RMDDMS process, the lead brands, the type of risk identified for each raw material as well as the implemented risk mitigation measures and an outlook for the following year.
Materials Efficiency & Recycling	Total amount of waste from manufacturing, percentage recycled	Total production-related waste: 2,357,654 metric tons Waste for recycling: 1,875,417 metric tons Recycling rate: 79.55%
	Weight of end-of-life material recovered, percentage recycled	Roughly one third of the vehicle, in vehicle weight terms, is made from recycled materials (as a percentage of all materials). The largest percentage is accounted for by recycled metals.
	Average recyclability of vehicles sold	In line with the European Directive on end-of-life vehicles, passenger cars and light commercial vehicles must be 85% recyclable and 95% recoverable at end of life. All our vehicles registered in Europe comply with these standards.
Activity Metrics	Number of vehicles manufactured	8,953,693
	Number of vehicles sold	9,036,653