Polestar

Polestar publishes full carbon footprint of Polestar 5, strengthening industry-leading transparency

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- Cradle-to-gate carbon footprint of Polestar 5 is 23.8 tCO_2e
- 14 tCO_2e per car avoided thanks to use of recycled aluminium and smelters run on renewable energy

GOTHENBURG, Sweden - 11 March 2026. Polestar (Nasdaq: PSNY) continues to push the car industry towards greater climate transparency. Since 2020, the company has published full Life Cycle Assessments (LCAs) for all its models, with publicly available assessments now covering every vehicle in its line-up, including the four-door GT Polestar 5. Understanding the emissions embedded in materials and manufacturing is a critical step in being able to work more actively to reduce the climate impact of the manufacturing of cars.

Polestar is the first OEM to publish the full carbon footprint of every vehicle in its line-up, giving customers greater transparency about the climate impact of the cars they drive. The cradle-to-gate carbon footprint of Polestar 5 is 23.8 tCO_2e, covering emissions from raw material extraction through production and delivery to the customer.

Materials are at the root of emission reduction. Aluminium is one of the most carbon-intensive inputs in vehicle manufacturing, so Polestar has fundamentally changed how it is sourced for Polestar 5. 13% of the aluminium used is recycled and 83% comes from smelters powered by renewable electricity, avoiding more than 14 tCO_2e per car compared with conventional aluminium sourcing.

Fredrika Klarén, Head of Sustainability at Polestar, says: "You cannot reduce what you don't measure. Making the carbon footprint of a car visible helps focus the industry on where emissions occur, particularly in materials and manufacturing. That transparency is essential if we want to scale the low-carbon materials, renewable energy and circular solutions needed to reduce the climate impact of cars."

Renewable electricity also plays a key role in production. Facilities producing the Polestar 5 as well as the battery cell modules and other key battery materials, operate on renewable electricity, lowering emissions associated with vehicle manufacturing and parts and battery manufacturing.

Innovative materials in the car's interior further reduce the environmental impact of Polestar 5. Natural fibre composites developed with Bcomp use flax-based ampliTex™, a bio-based alternative to carbon fibre that uses 50% less fossil-based material and can be up to 40% lighter than conventional plastic composites. Recycled materials are also used, including Econyl carpets made from discarded fishing nets and recycled PET textiles. Circular design extends to the front luggage compartment, which uses a mono-material PET construction combining recycled insulation with a recycled PET surface layer to enable easier recycling at end of life. Customers opting for leather can choose Bridge of Weir Nappa leather, a chrome-free, animal welfare secured natural by-product of the food industry.

The Polestar 5 proves choosing a more sustainable car does not require a compromise on performance as the four-door GT offers up to 650 kW (884 hp) and 1,015 Nm of torque. Range is up to 678 km (WLTP) and thanks to its 800 Volt electrical architecture and 350 kW DC charging capability, charging from 10–80% can be completed in as little as 22 minutes.

Polestar 5 is available to order now via polestar.com.

Notes to editors
Across the full vehicle life cycle, including driving over 200,000 km and end-of-life treatment, the total footprint is estimated at 28.5 tCO_2e using the European electricity mix. The Polestar 5 LCA is critically reviewed by Ricardo and published along with full methodology: https://www.polestar.com/dato-assets/11286/1757076464-polestar-5_lca_report_2025_2025-09-05.pdf

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About Polestar
Polestar (Nasdaq: PSNY) is the Swedish electric performance car brand with a focus on uncompromised design and innovation, and the ambition to accelerate the change towards a sustainable future. Headquartered in Gothenburg, Sweden, its cars are available in 28 markets globally across North America, Europe and Asia Pacific.

Polestar has four models in its line-up: Polestar 2, Polestar 3, Polestar 4, and Polestar 5. Planned models include Polestar 4 new variant (to be introduced in the last quarter of 2026), Polestar 2 successor (to be launched early in 2027), Polestar 7 compact SUV (to be introduced in 2028) and the Polestar 6 roadster. With its vehicles currently manufactured on two continents, North America and Asia, Polestar is diversifying its manufacturing footprint further, with production of Polestar 7 planned in Europe.

Polestar has an unwavering commitment to sustainability and has set an ambitious roadmap to reach its climate targets: halve greenhouse gas emissions by 2030 per-vehicle-sold and become climate-neutral across its value chain by 2040. Polestar's comprehensive sustainability strategy covers the four areas of Climate, Transparency, Circularity, and Inclusion.

Forward-looking statements
This press release contains statements that are not historical facts, but rather forward-looking statements within the meaning of Private Securities Litigation Reform Act of 1995. Such forward-looking statements include those that address activities, events or developments that Polestar or its management believes or anticipates may occur in the future. All forward-looking statements are based upon, as applicable, our current expectations, various assumptions and data available from third parties. Our expectations and assumptions are expressed in good faith and we believe there is a reasonable basis for them. However, there can be no assurance that such forward-looking statements will materialize or prove to be correct as forward-looking statements are inherently subject to known and unknown risks, uncertainties and other factors which may cause actual future results, performance or achievements to differ materially from the future results, performance or achievements expressed in or implied by such forward-looking statements. Numerous risks, uncertainties and other factors may cause actual results to differ materially from those set out in the forward-looking statements, including those risks and uncertainties set forth in the sections entitled "Risk Factors" and "Cautionary Note Regarding Forward-Looking Statements" in Polestar's Form 20-F, and other documents filed, or to be filed, with the U.S. Securities and Exchange Commission by Polestar. For any forward-looking statements contained in this or any other document, we claim the protection of the safe harbor for forward-looking statements contained in the Private Securities Litigation Reform Act of 1995, and we assume no obligation to update publicly or revise any such statements in light of new information or future events, except as required by law.