

Polestar 0 project

—

On a moonshot mission

WATCH THE VIDEO

Polestar



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Polestar



Agenda

- Intro
- Pathway Report
- Polestar Sustainability Strategy
 - Climate Neutrality
 - Circularity
 - Transparency
 - Inclusion
- Polestar 0 project
- Outlook

Polestar

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Intro



Polestar – the guiding star.

We are an **electric performance brand**, determined to improve the society we live in.

Our focus is on **uncompromised design and technology**. Passion and emotion drive us, electricity and innovation drive our cars. Our products are **excellent, efficient and entertaining**. In Polestar's future, there is no room for shortcuts, excuses or compromises.

We are all in, dedicated to our ambition. Guiding our industry forward through **pure, progressive, performance**.

At Polestar, the sky is the limit.

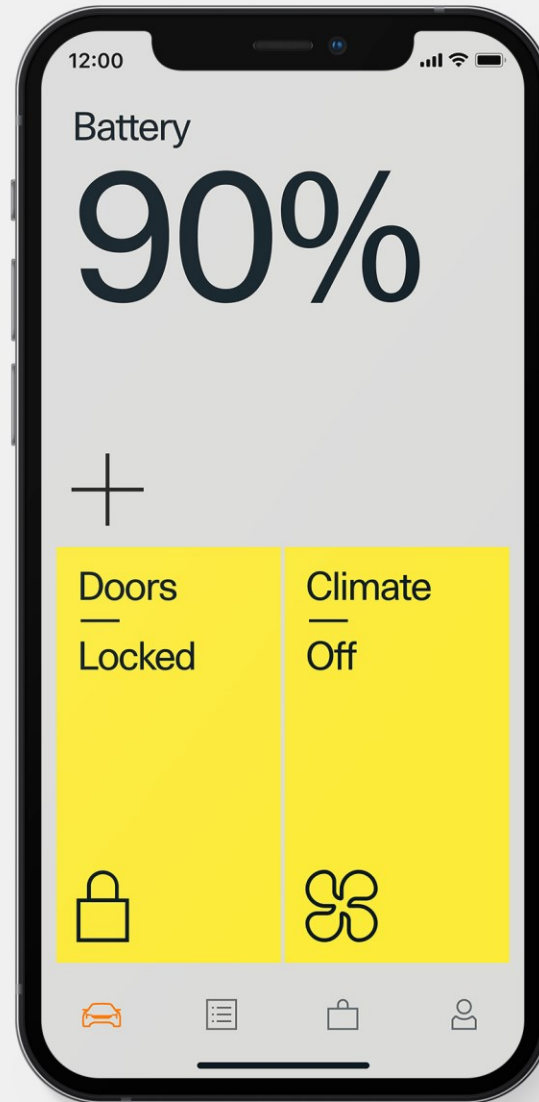


Outstanding
design

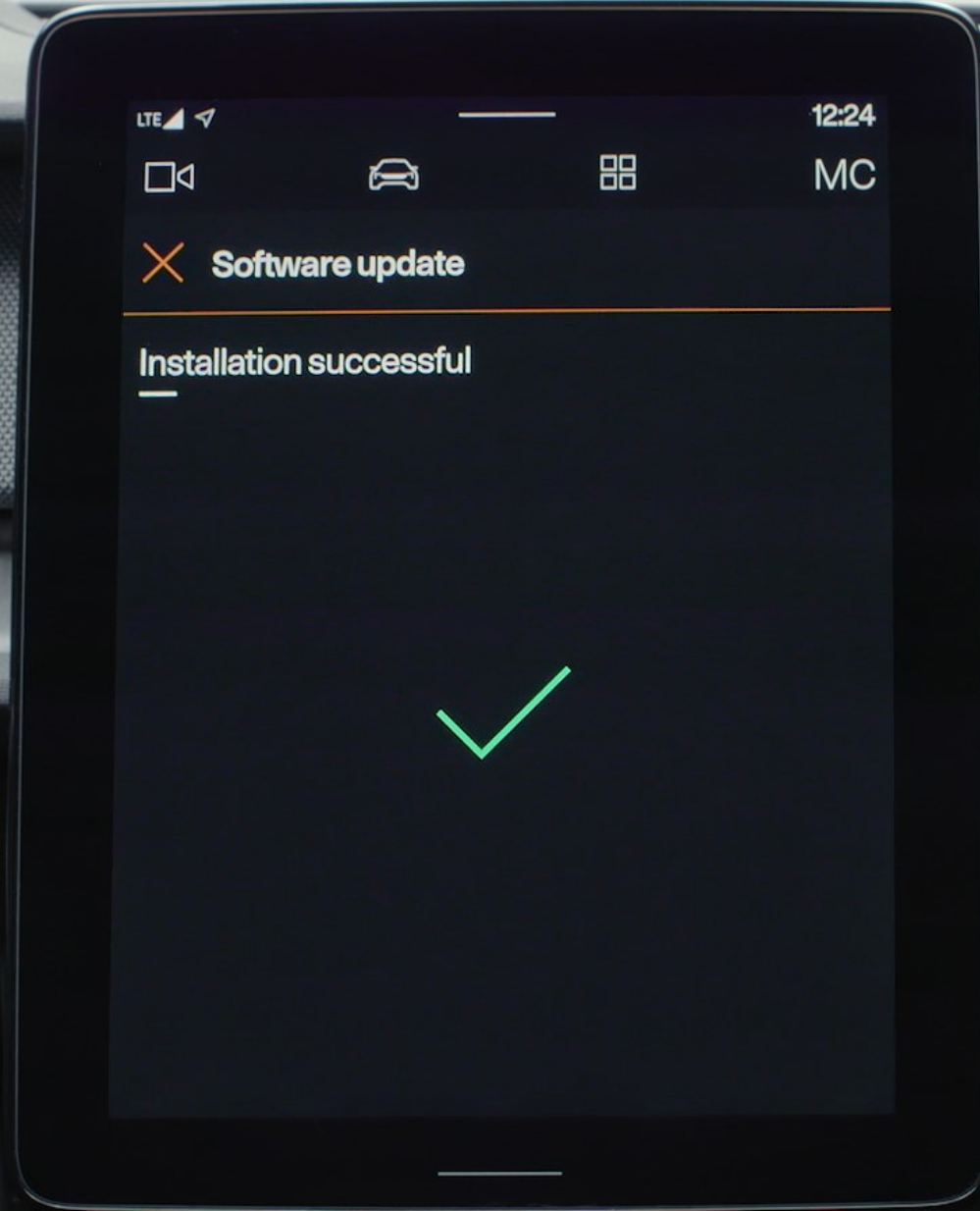
Polestar 3
Copenhagen
22.10.12



Seamless
integration into
your digital life



Polestar service points

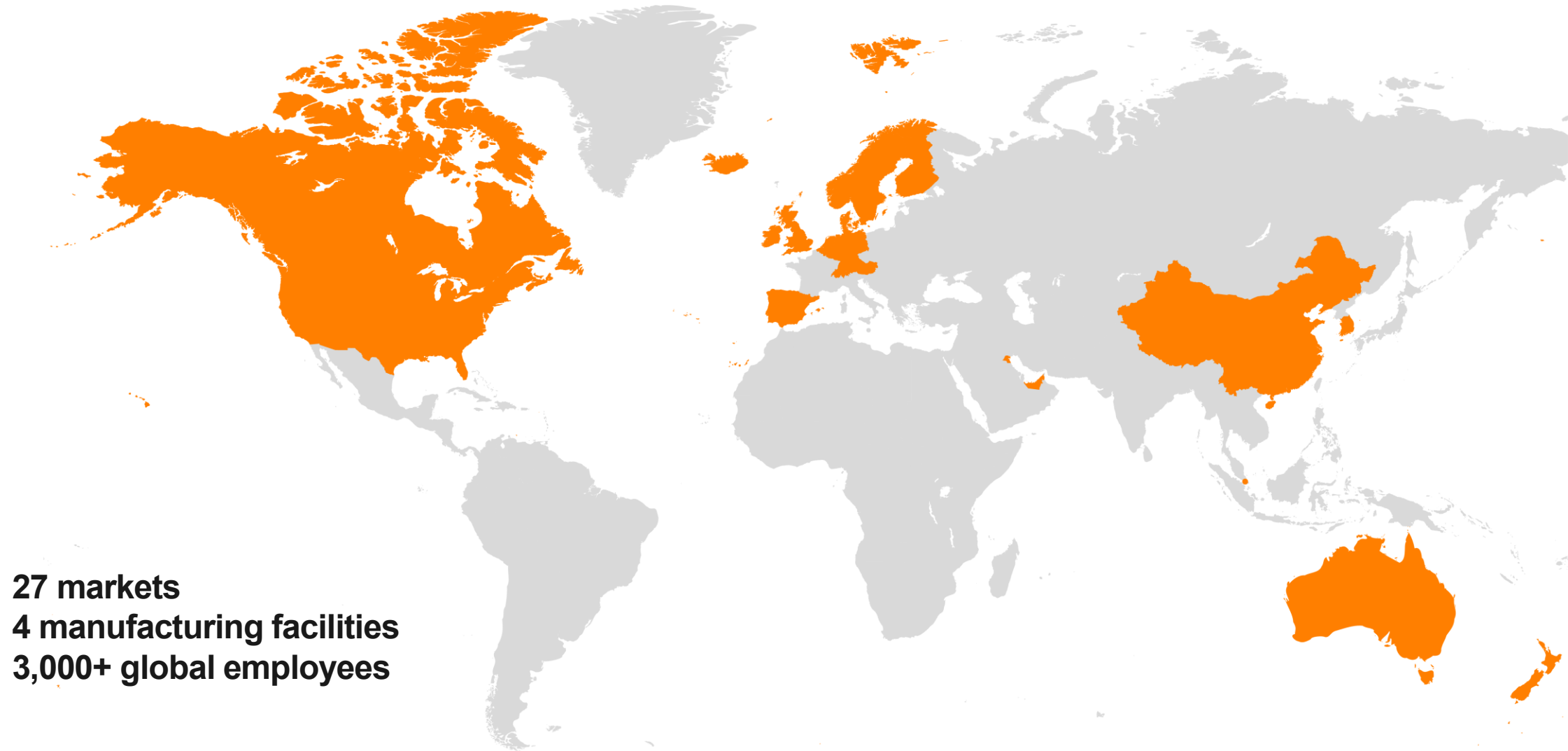


Sustainability



Locations

A truly global car company



27 markets
4 manufacturing facilities
3,000+ global employees

Products

Growing portfolio



2019 - Polestar 1
Plug-in-Hybrid, limited edition



2020 - Polestar 2
Electric fastback



2022 - Polestar 3
Electric Performance SUV



2023 - Polestar 4
Electric Performance SUV Coupé



2024 - Polestar 5
Electric 4-door Performance GT



2026 - Polestar 6
Electric Performance Roadster



We aim for Zero.

- The automotive industry is far off track to stay below the 1.5 degree limit, and will have spent its full CO₂e budget already by 2035.



Our navigation system

Pathway report

In February 2023, together with Rivian and Kearney, we created a plan to stay on the 1.5 degree path. It identified some immediate changes that we can still implement in the current decade:

- 100% transition to EVs by 2032
- 100% renewable energy in the power grids by 2033
- 81% reduction of GHG emissions in the supply chain by 2032





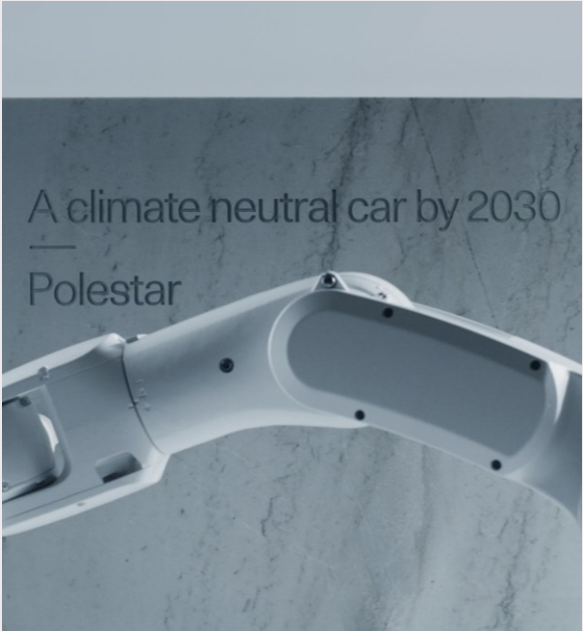
We are all in the same boat.

3D Knit
100% Recycled PES
M121031 001

PES

Sustainability

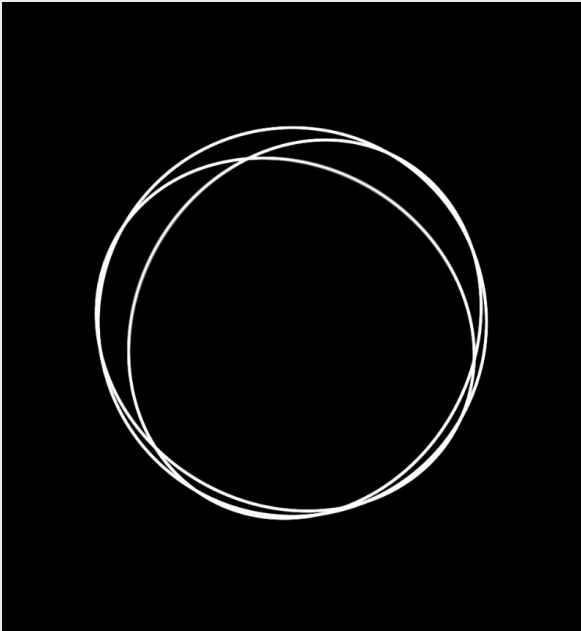
Strategic Focus



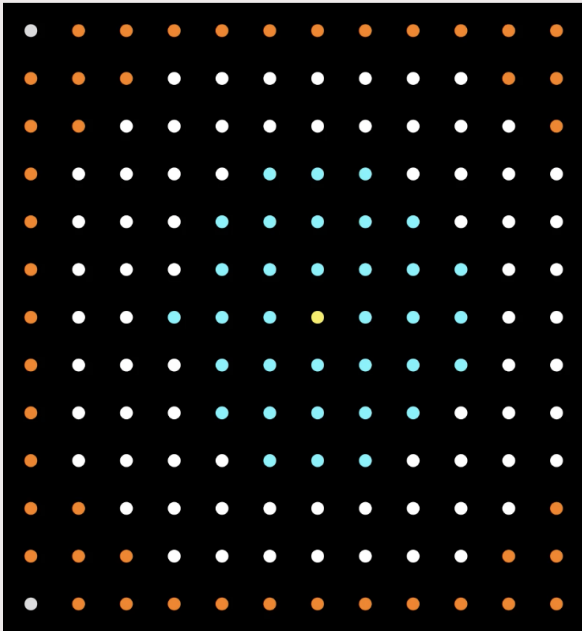
Climate Neutrality



Transparency



Circularity



Inclusion

WATCH THE VIDEO

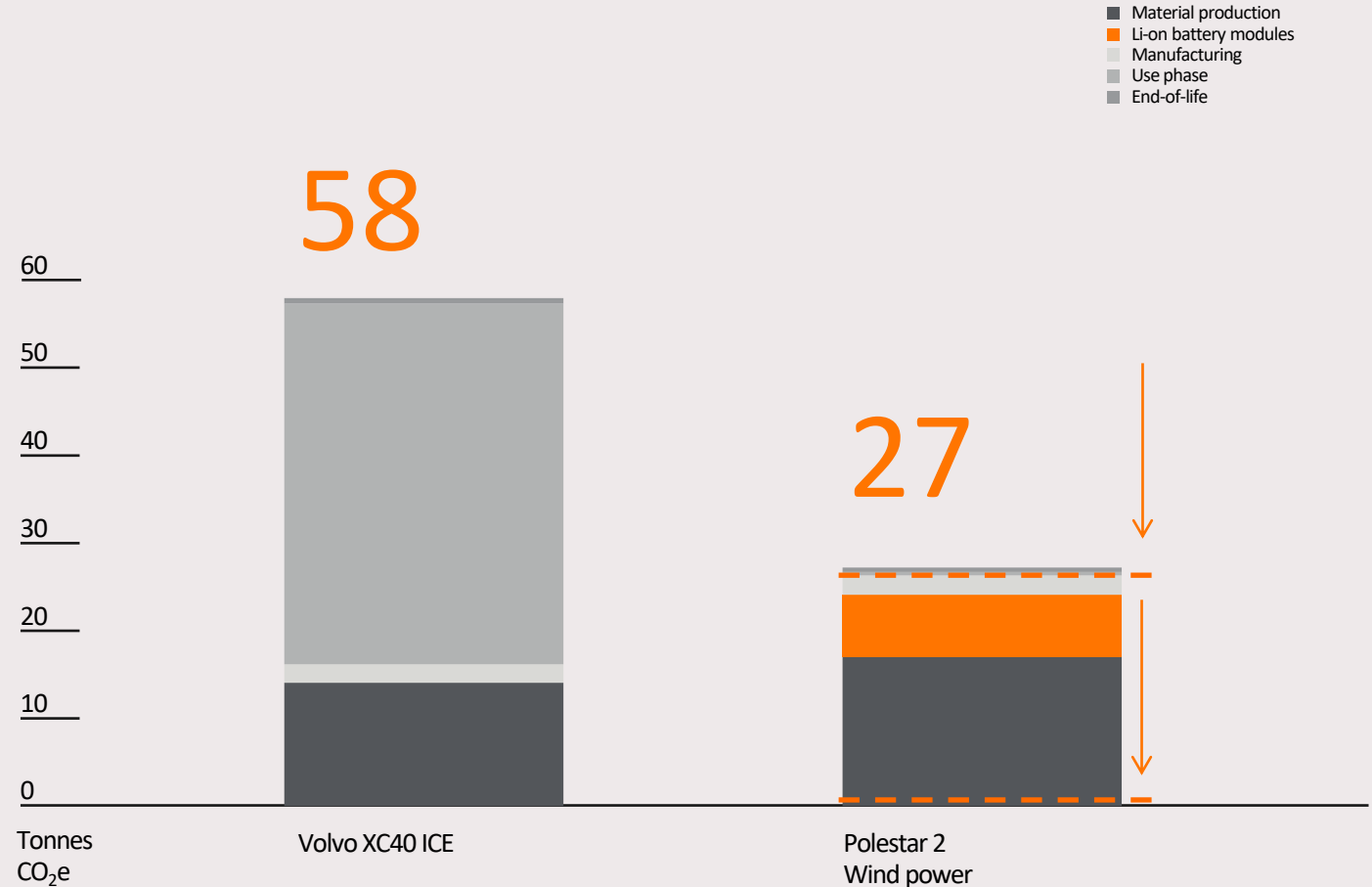
Polestar 0 project

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A climate-neutral car by 2030

Polestar 0 project aims to:

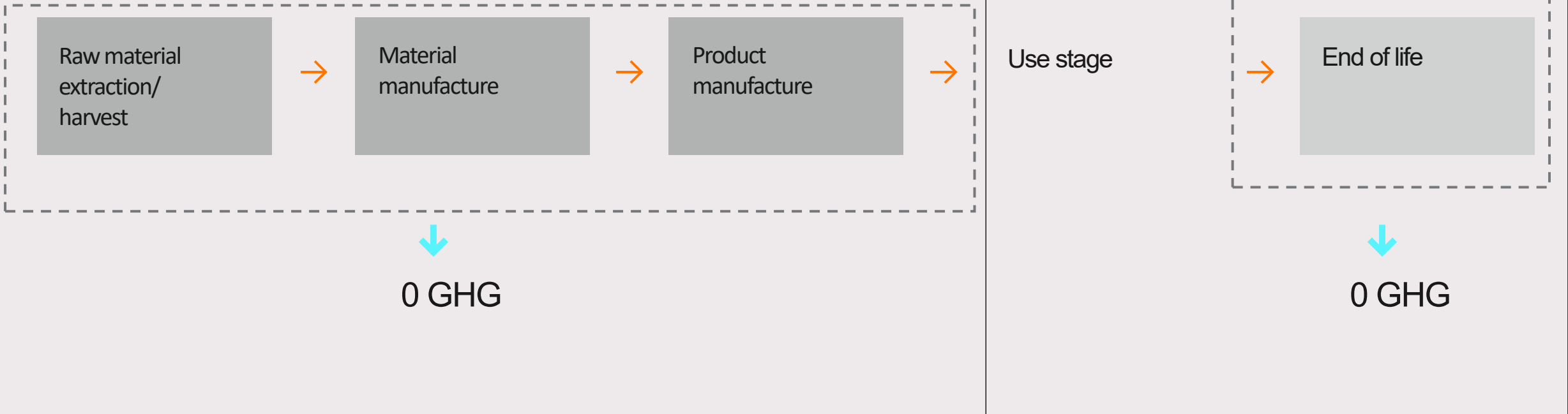
- create a truly climate-neutral car by 2030
- eliminate all GHG emissions, cradle to gate and end-of-life



Carbon Footprint for Polestar 2 vs. a compact SUV ICE model
Tonnes CO₂-equivalents CO₂-equivalents per functional unit (200.000 km lifetime range).

Cradle to Grave

Cradle to Gate



one Polestar



hundreds of suppliers
one Polestar



thousands of deliveries
hundreds of suppliers
one Polestar



fifty thousand components
thousands of deliveries
hundreds of suppliers
one Polestar



118 elements

1 IA 1A 1 H Hydrogen 1.008	2 IIA 2A 4 Be Beryllium 9.012															13 IIIA 3A 5 B Boron 10.811	14 IVA 4A 6 C Carbon 12.011	15 VA 5A 7 N Nitrogen 14.007	16 VIA 6A 8 O Oxygen 15.999	17 VIIA 7A 9 F Fluorine 18.998	18 VIIIA 8A 2 He Helium 4.003
3 Li Lithium 6.941	4 Be Beryllium 9.012															13 Al Aluminum 26.982	14 Si Silicon 28.086	15 P Phosphorus 30.974	16 S Sulfur 32.066	17 Cl Chlorine 35.453	18 Ar Argon 39.948
11 Na Sodium 22.990	12 Mg Magnesium 24.305	3 IIIB 3B 21 Sc Scandium 44.956	4 IVB 4B 22 Ti Titanium 47.867	5 VB 5B 23 V Vanadium 50.942	6 VIB 6B 24 Cr Chromium 51.996	7 VII B 7B 25 Mn Manganese 54.938	8 VIII 8 26 Fe Iron 55.845	9 VIII 8 27 Co Cobalt 58.933	10 VIII 8 28 Ni Nickel 58.693	11 IB 1B 29 Cu Copper 63.546	12 IIB 2B 30 Zn Zinc 65.38	13 Al Aluminum 26.982	14 Si Silicon 28.086	15 P Phosphorus 30.974	16 S Sulfur 32.066	17 Cl Chlorine 35.453	18 Ar Argon 39.948				
19 K Potassium 39.098	20 Ca Calcium 40.078	21 Sc Scandium 44.956	22 Ti Titanium 47.867	23 V Vanadium 50.942	24 Cr Chromium 51.996	25 Mn Manganese 54.938	26 Fe Iron 55.845	27 Co Cobalt 58.933	28 Ni Nickel 58.693	29 Cu Copper 63.546	30 Zn Zinc 65.38	31 Ga Gallium 69.723	32 Ge Germanium 72.631	33 As Arsenic 74.922	34 Se Selenium 78.971	35 Br Bromine 79.904	36 Kr Krypton 83.798				
37 Rb Rubidium 85.468	38 Sr Strontium 87.62	39 Y Yttrium 88.906	40 Zr Zirconium 91.224	41 Nb Niobium 92.906	42 Mo Molybdenum 95.95	43 Tc Technetium 98.907	44 Ru Ruthenium 101.07	45 Rh Rhodium 102.906	46 Pd Palladium 106.42	47 Ag Silver 107.868	48 Cd Cadmium 112.414	49 In Indium 114.818	50 Sn Tin 118.711	51 Sb Antimony 121.760	52 Te Tellurium 127.6	53 I Iodine 126.904	54 Xe Xenon 131.294				
55 Cs Cesium 132.905	56 Ba Barium 137.328	57-71 Lanthanide Series	72 Hf Hafnium 178.49	73 Ta Tantalum 180.948	74 W Tungsten 183.84	75 Re Rhenium 186.207	76 Os Osmium 190.23	77 Ir Iridium 192.217	78 Pt Platinum 195.085	79 Au Gold 196.967	80 Hg Mercury 200.592	81 Tl Thallium 204.383	82 Pb Lead 207.2	83 Bi Bismuth 208.980	84 Po Polonium [208.982]	85 At Astatine 209.987	86 Rn Radon 222.018				
87 Fr Francium 223.020	88 Ra Radium 226.025	89-103 Actinide Series	104 Rf Rutherfordium [261]	105 Db Dubnium [262]	106 Sg Seaborgium [266]	107 Bh Bohrium [264]	108 Hs Hassium [269]	109 Mt Meitnerium [278]	110 Ds Darmstadtium [281]	111 Rg Roentgenium [280]	112 Cn Copernicium [285]	113 Nh Nihonium [286]	114 Fl Flerovium [289]	115 Mc Moscovium [289]	116 Lv Livermorium [293]	117 Ts Tennessine [294]	118 Og Oganesson [294]				

Lanthanide Series

57 La Lanthanum 138.905	58 Ce Cerium 140.116	59 Pr Praseodymium 140.908	60 Nd Neodymium 144.243	61 Pm Promethium 144.913	62 Sm Samarium 150.36	63 Eu Europium 151.964	64 Gd Gadolinium 157.25	65 Tb Terbium 158.925	66 Dy Dysprosium 162.500	67 Ho Holmium 164.930	68 Er Erbium 167.259	69 Tm Thulium 168.934	70 Yb Ytterbium 173.055	71 Lu Lutetium 174.967
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Actinide Series

89 Ac Actinium 227.028	90 Th Thorium 232.038	91 Pa Protactinium 231.036	92 U Uranium 238.029	93 Np Neptunium 237.048	94 Pu Plutonium 244.064	95 Am Americium 243.061	96 Cm Curium 247.070	97 Bk Berkelium 247.070	98 Cf Californium 251.080	99 Es Einsteinium [254]	100 Fm Fermium 257.095	101 Md Mendelevium 258.1	102 No Nobelium 259.101	103 Lr Lawrencium [262]
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Experimental

1 Level 1
Research

Complex

Easy

2021

2030

Experimental

1 Level 1
Research

Complex

2 Level 2
Applied Science

Easy

2021

2030

Experimental

1 Level 1
Research

Complex

2 Level 2
Applied Science

Easy

3 Level 3
Product Development

2021

2030

Officially announced partners

Polestar 0 project



Ambitious goals
—
Climate neutrality

2040 – climate neutral company

We have defined when we need to reach net zero emissions – we aim to be climate neutral by 2040. This means full operations, including materials, production, product use and end of life.

2030 – climate-neutral car

Our moonshot goal, the Polestar 0 project, aims to create a truly climate-neutral car by 2030. We will not rely on offsets. We aim to eliminate all emissions from raw material extraction, material manufacture, product manufacture and end of life.

2030 – halve emission intensity

We track our progress by measuring our emissions intensity, tonnes of CO₂ equivalents emitted per car sold. Our target is to halve the intensity by 2030 compared to 2020.



Outlook
Polestar products

26,1
tCO₂e



Polestar 2
Long Range Dual Motor

2020

2021



Traced materials
Cobalt
Mica
Lithium
Nickel
Leather

24,4
tCO₂e



Polestar 2 MY23
Long Range Dual Motor

2022

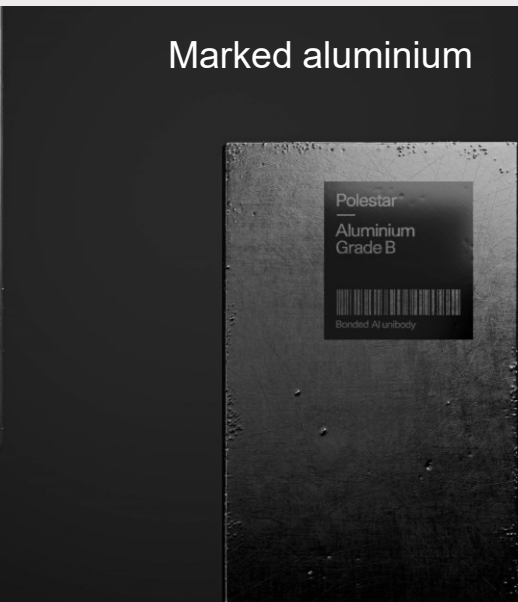
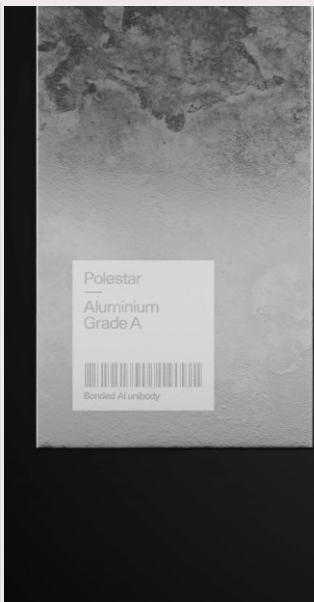
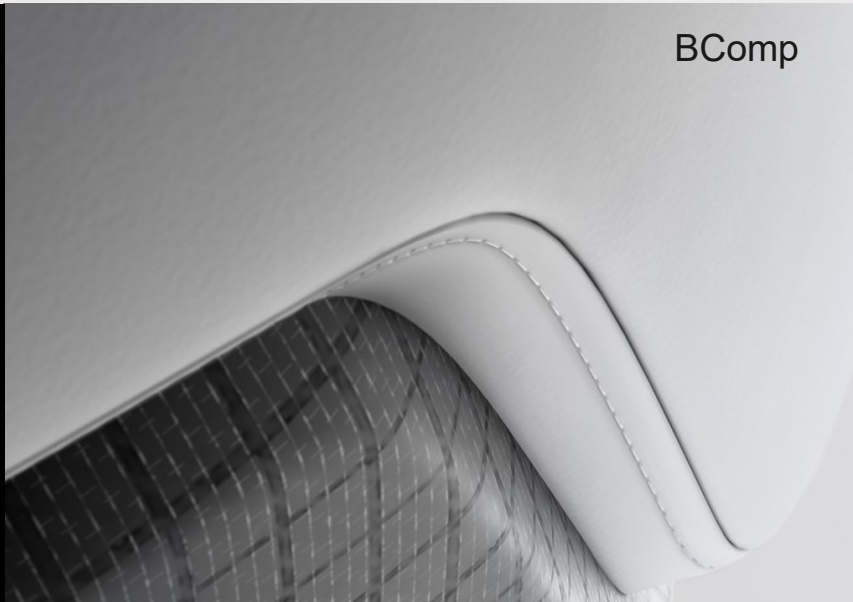
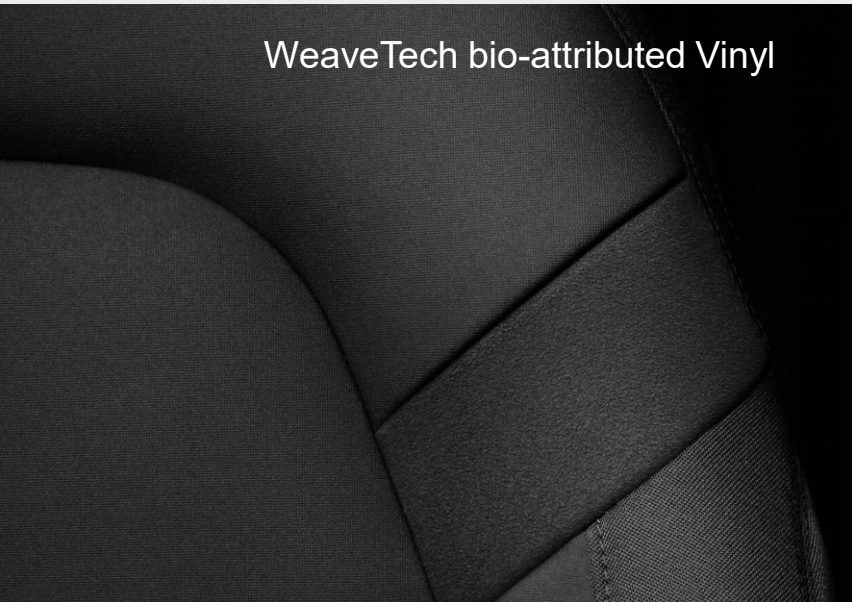
- 0.7
tCO₂e

- 1.0
tCO₂e

2023

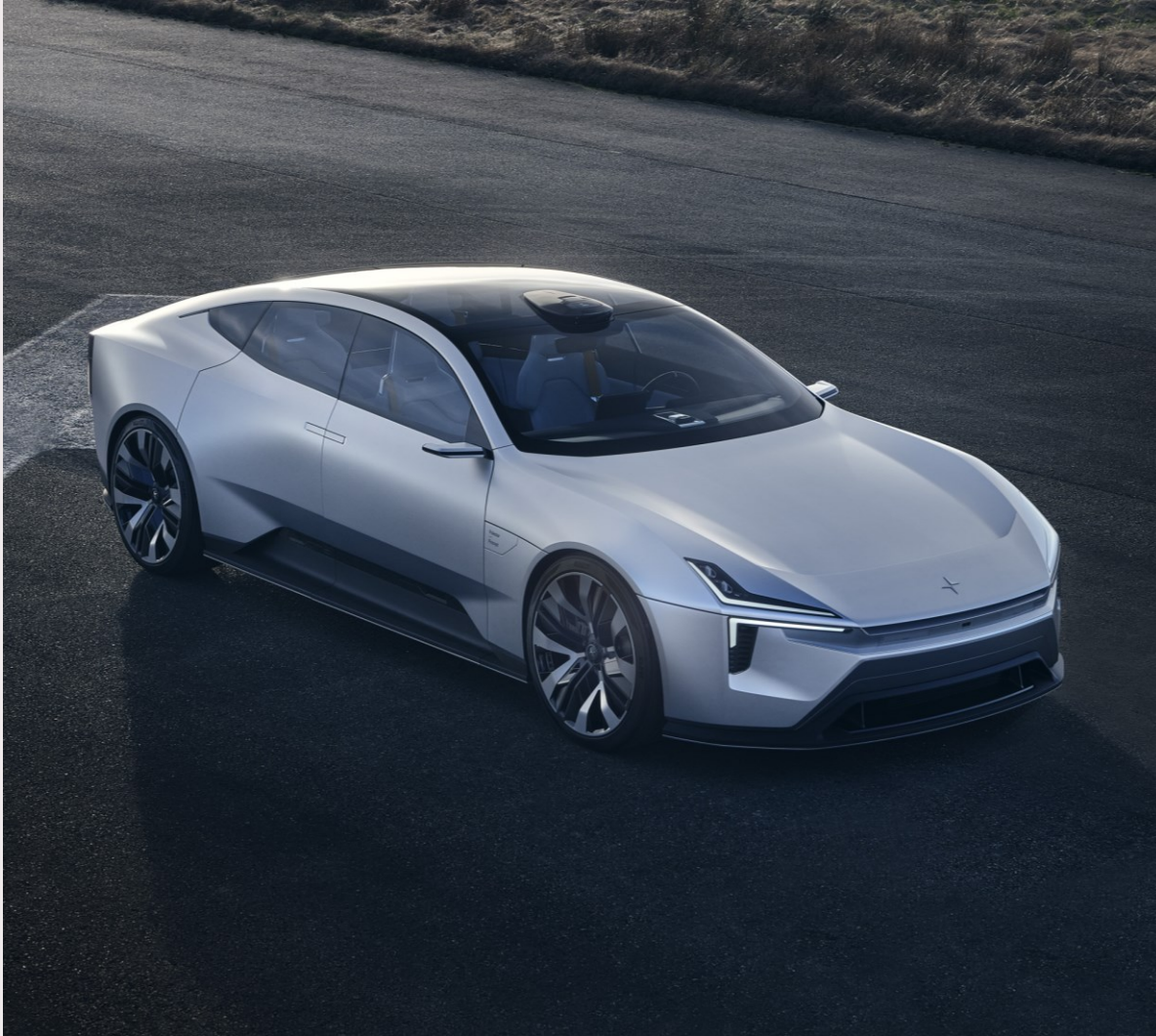
Outlook

Sustainable Materials



Outlook

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Where the journey is going



Polestar

