





**Charleston Production
Centre in the United States**

**R&D Centre
in Coventry, UK**

**Global Headquarters
Gothenburg, Sweden**

**Chengdu Production
Centre in China**

**Luqiao Production
Centre in Taizhou, China**



Polestar – Guiding Star

A luxury electric car brand integrated with global resources



Brand Milestones

01 1996–2015
History of
Performance



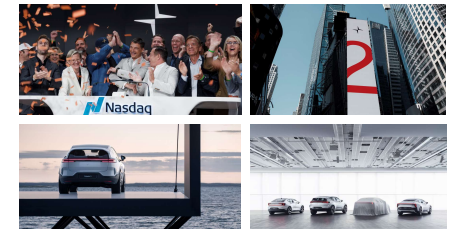
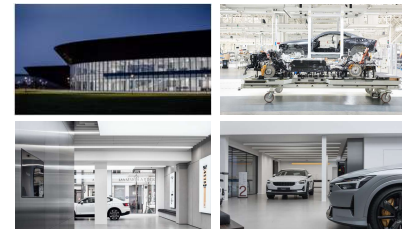
02 2015–2019
Road to
Electric



03 2020–2021
Head into
Markets



04 2022–
Expand Market



#Born in 1996
#Performance Oriented
#Performance Partner of Volvo

#Unveiled the Polestar Brand and
Polestar 1
#Launch Polestar 2

#Completion of Polestar Owned
Production Centre
#Polestar Spaces in Operation

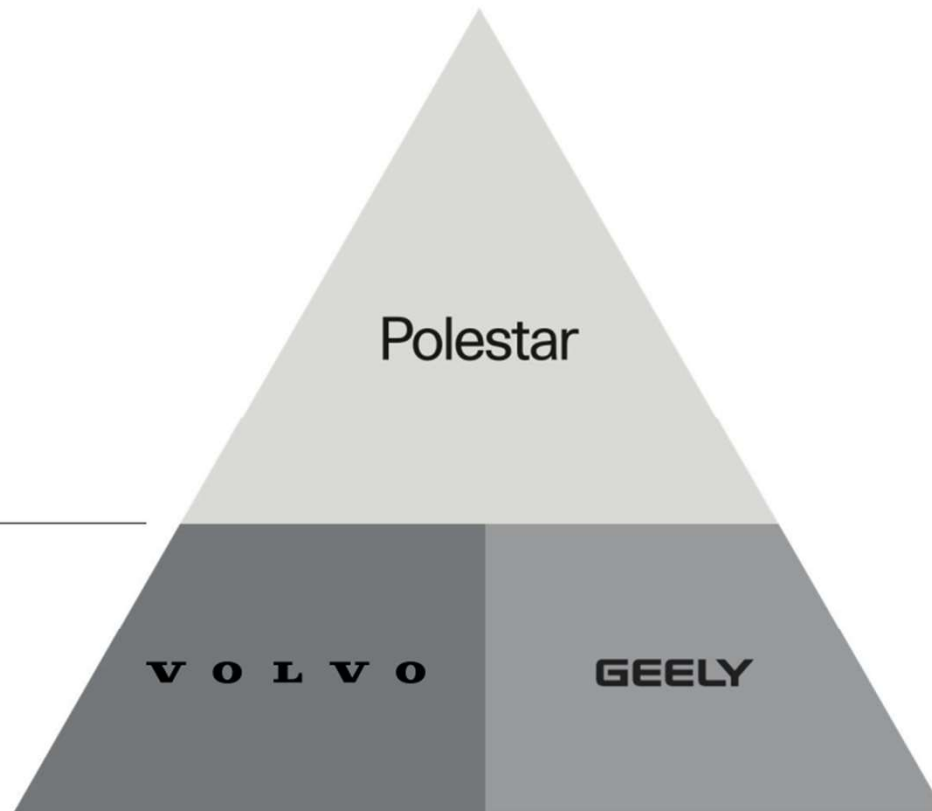
#Officially Listed on Nasdaq
#Global Launch of Polestar 3
#Global Sales Reach 51,500 Units

We are Polestar
—
Our asset-light model

Flexible and scalable

Agility of a start-up

Stability of established players



Source: Company information.



27 Markets

across Europe, North America & Asia Pacific



Product range

2017



2019



2022



2023



2024



2026



Polestar 1

Luxury performance
hybrid GT



Polestar 2

Luxury performance
electric fastback



Polestar 3

Luxury performance
electric SUV



Polestar 4

Luxury performance
Coupe SUV



Polestar 5

Luxury performance
Electric 4-door GT



Polestar 6

Luxury all electric
supercar



纯净之境

Sustainability



纯劲之境

Performance



纯赏之境

Design

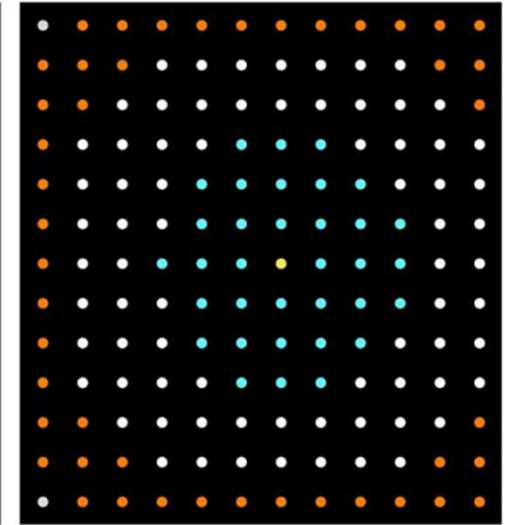
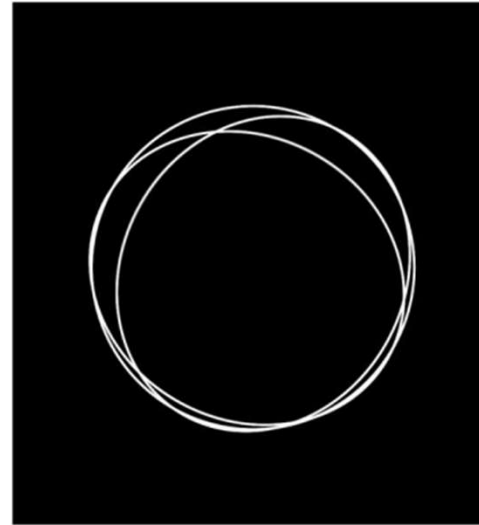


纯享之境

Service

Sustainability

Our strategic focus areas



Climate neutrality

- Climate-neutral platform
- Climate-neutral materials
- Climate-neutral manufacturing
- Renewable energy in the supply chain

Transparency

- Material traceability
- Supply chain transparency
- Product sustainability declaration
- Sustainability reporting

Circularity

- Circular battery design
- Renewable energy in supply chain
- Remanufacturing of batteries
- Collaborations for second life
- Collaborations for recycling

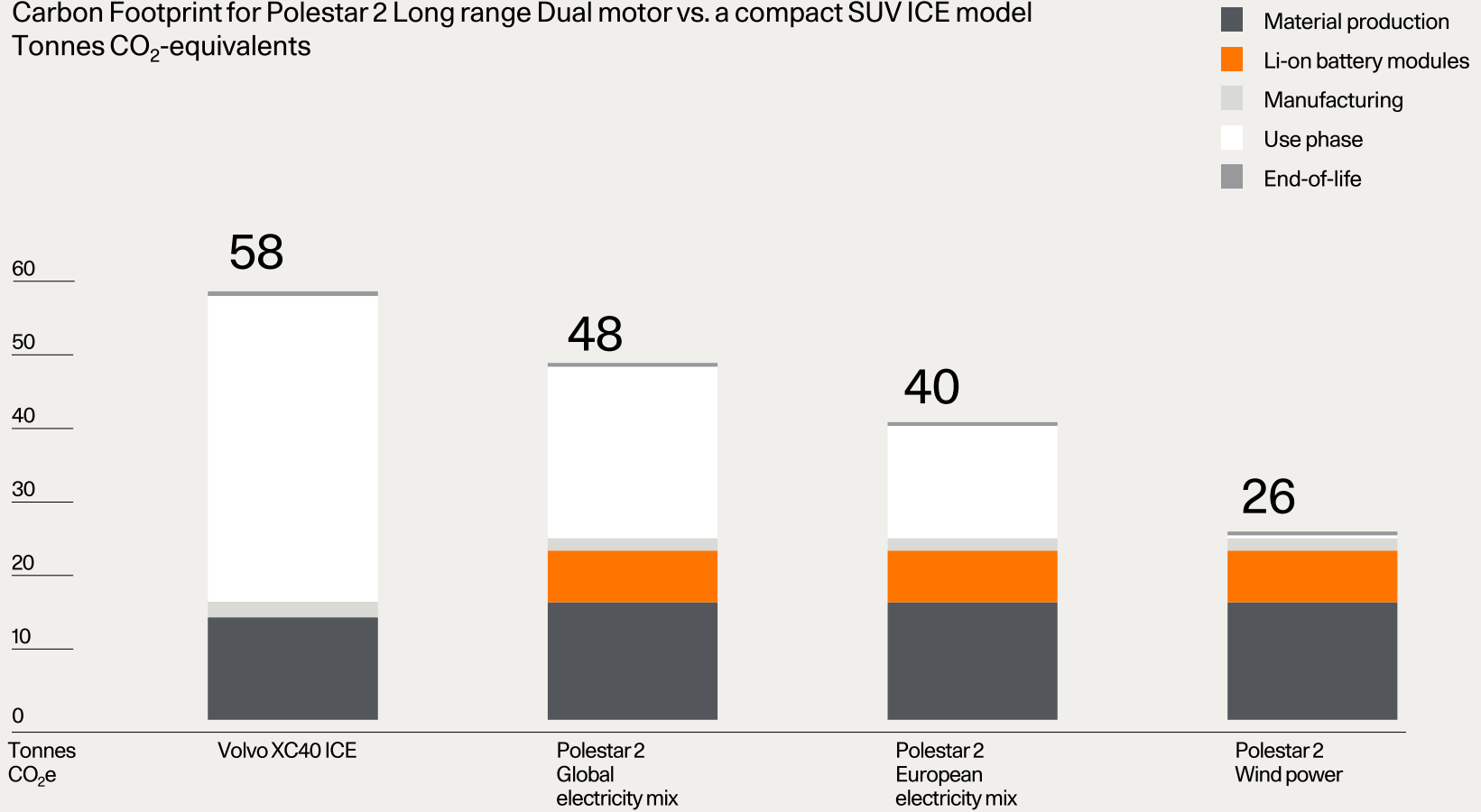
Inclusion

- Human rights in supply chain
- Ethical business practices
- Inclusive workplace
- Inclusive design
- Inclusive customer experience

Life Cycle Assessment – carbon footprint

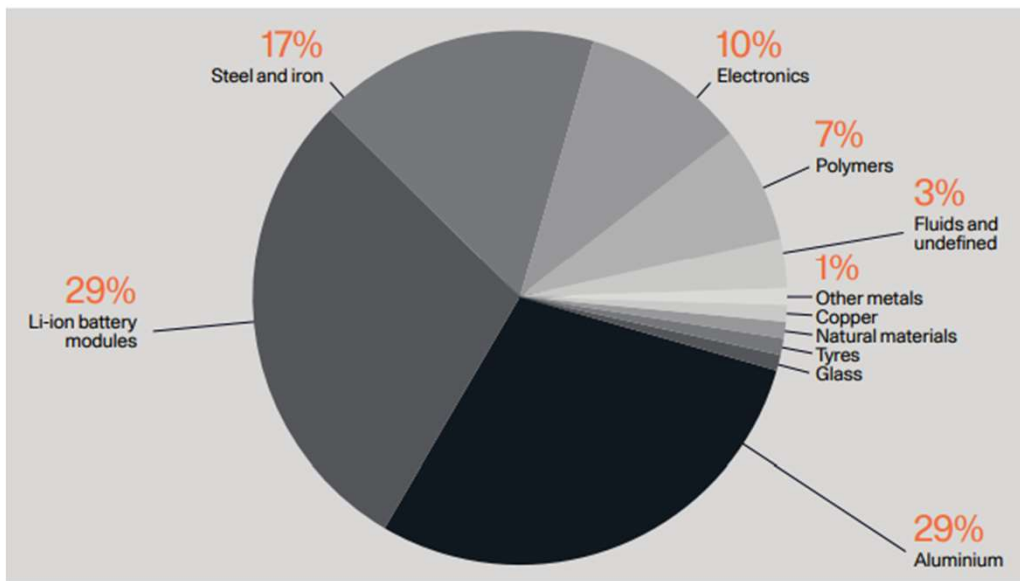
Polestar 2 vs. Volvo XC40

Carbon Footprint for Polestar 2 Long range Dual motor vs. a compact SUV ICE model
Tonnes CO₂-equivalents

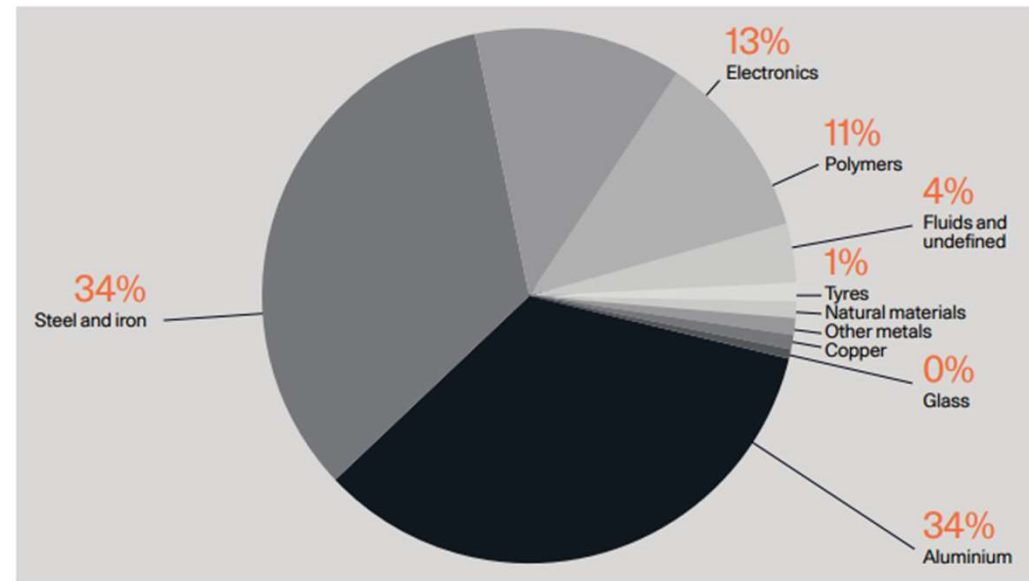


Life Cycle Assessment – carbon footprint

Contribution from different material groups



Polestar 2



Volvo XC40

Time to act

—
Target for supply chain

Material



Material LCA & RE request

Manufacturing



100% renewable electricity during manufacturing

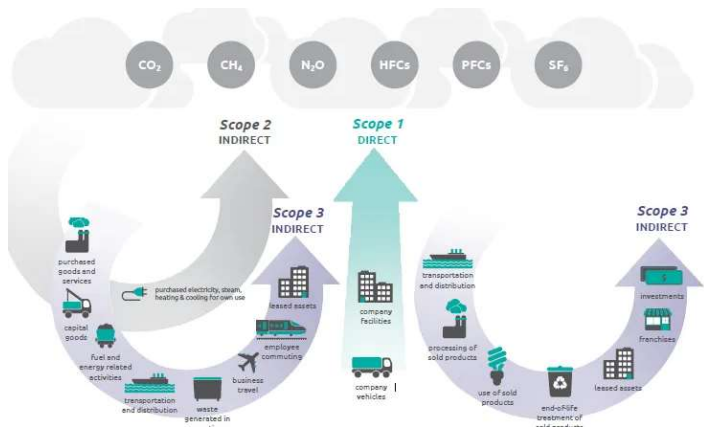
Product



Battery LCA carbon footprint request

Time to act

Challenges



Emission sources incompletely identified
 Activity data inaccurate
 Emission factor non-unified



Data transmission ineffective & nontransparent



Innovation & Eco-design

Polestar practice

Supplier capacity building

- Annual supplier training – 2 days of sustainability topics



Polestar practice

Commodity sourcing

- Commodity sourcing to secure upstream sustainability performance



Polestar practice

—
Eco-design

- Advance Engineering team in R&D



Polestar 0 project

Climate neutrality

Polestar 0 Project

We aim to eliminate all greenhouse gas emissions, cradle to gate and end-of-life.

No low-carbon solutions or offsetting schemes.

Three phases

- Research 2021 – 2025
- Applied science 2025 – 2027
- Product development 2027 – 2030 (SOP 2030)

Call for collaboration

- minerals
- metals
- bio-based chemicals
- plastics
- other base materials



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.



More sustainable, material innovations

Products

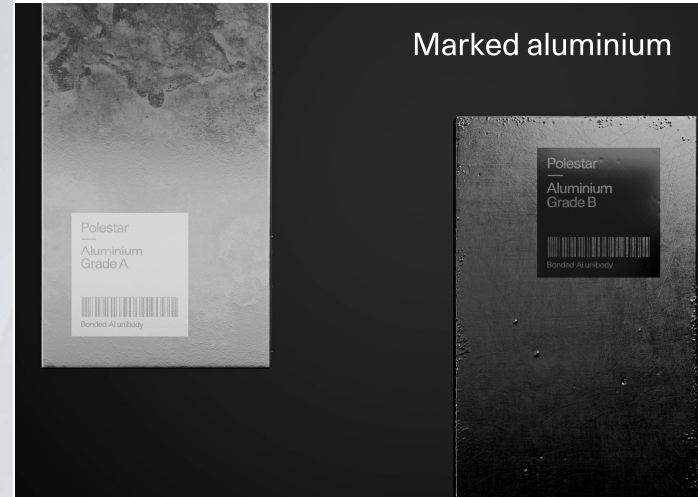
WeaveTech bio-attributed vinyl



BComp



Marked aluminium



Animal welfare traced leather



Tailored knit



Monomaterials



The guiding star for sustainability

