

V O L V O

Electrification and resource use

Carbon footprint of Volvo C40 Recharge and decarbonisation initiatives



Rei Palm

2023 -09 -19

Sustainability is key to our future success



CLIMATE ACTION

Become a climate neutral company by 2040



CIRCULAR ECONOMY

Become a circular business



RESPONSIBLE BUSINESS

Lead in ethical & responsible business



Sustainability is key to our future success

2025 ambition

50 % | reduction in tailpipe emission

25 % | reduction in operational emissions

25 % | reduction in supply chain emissions



40% reduction of overall CO₂ emissions per car 2018-2025

2030 ambition

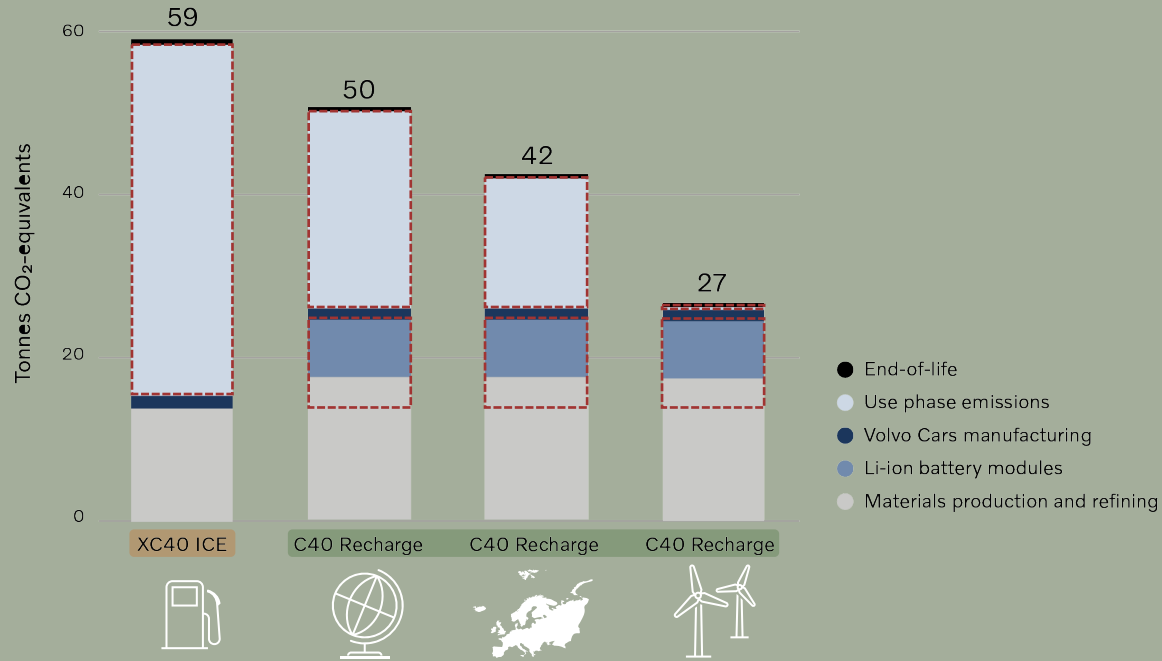
100 % | reduction in tailpipe emission



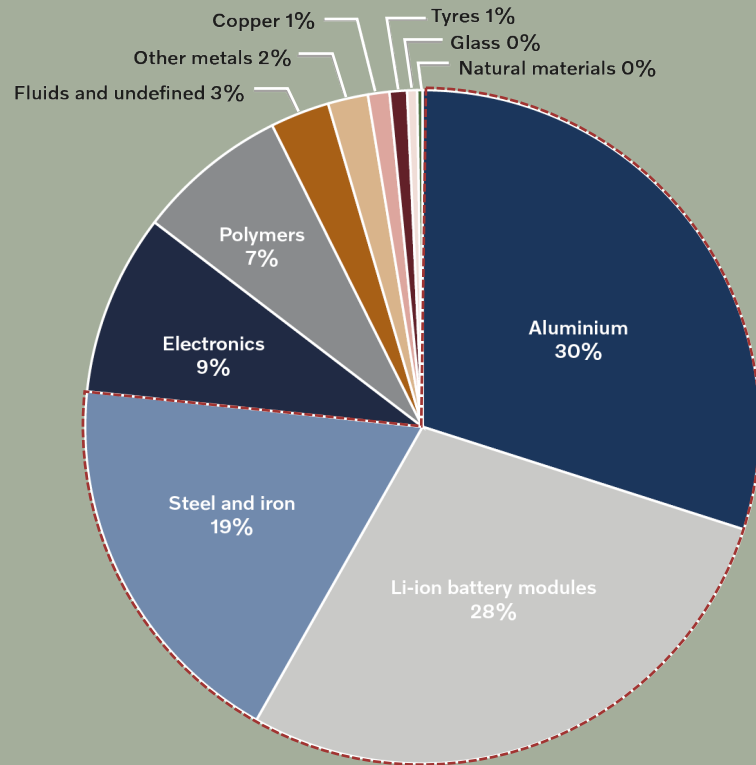
CLIMATE ACTION

Become a climate neutral company by 2040

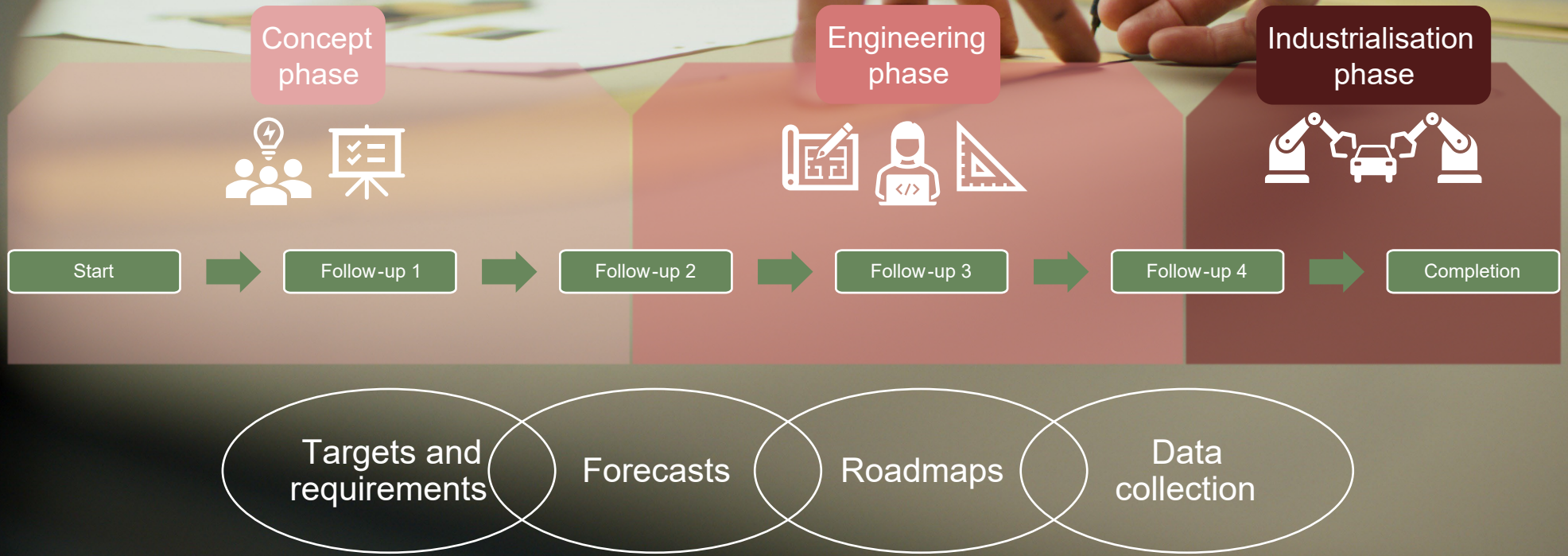
Volvo C40 carbon footprint study results and conclusions



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Target breakdown and follow-up for future car projects



Emission reduction focus areas



Emission reduction initiatives for material hot spots



	Primary	Recycled
Aluminium	Reviewed smelters	40 % target
Steel and iron	HYBRIT project, Responsible Steel and SteelZero	25 % target

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Emission reduction initiatives for material hot spots



Li-ion battery modules

Engagement beyond tier 1 suppliers

Onsite battery cell manufacturing



Other emission reduction initiatives related to materials



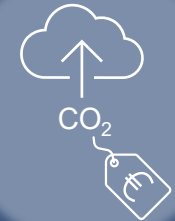
Target 25 % recycled polymers and bio-based materials



100 % climate neutral energy at tier 1 suppliers



Carbon footprint requested in sourcing

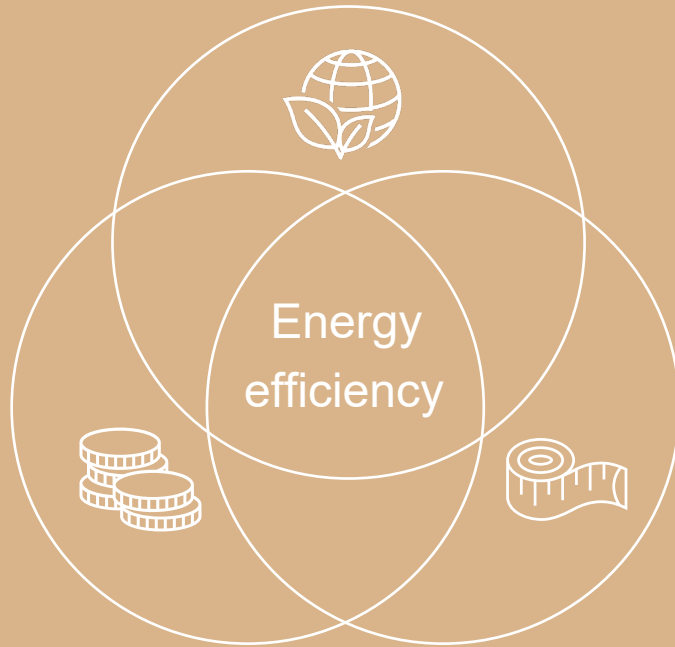


1000 SEK/tonne CO₂ internal carbon price

Emission reduction focus areas

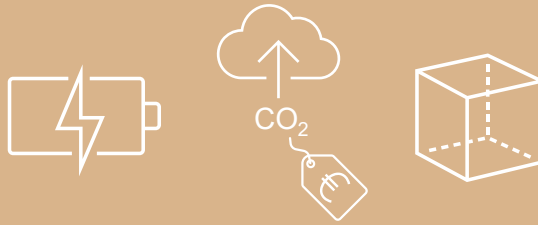


Energy efficiency

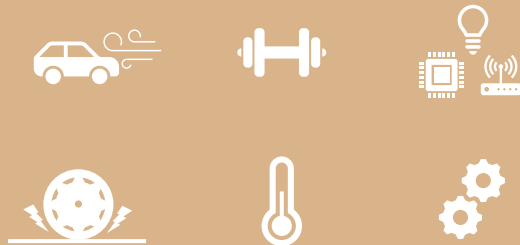


Energy efficiency

Generic monetary valuation of
 1 Wh/km reduced during driving
 1 Wh/day reduced in parked state



1 Wh reduction translated to different efficiency improvements



VOLVO

LCA reports for
EX30 and EX90
soon to come...

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