



Norsk **elbil**forening

ELECTRIC TRANSPORT IN NORWAY AND BEYOND

– WHAT OTHERS CAN LEARN

Christina Bu, Secretary General
Norwegian EV Association



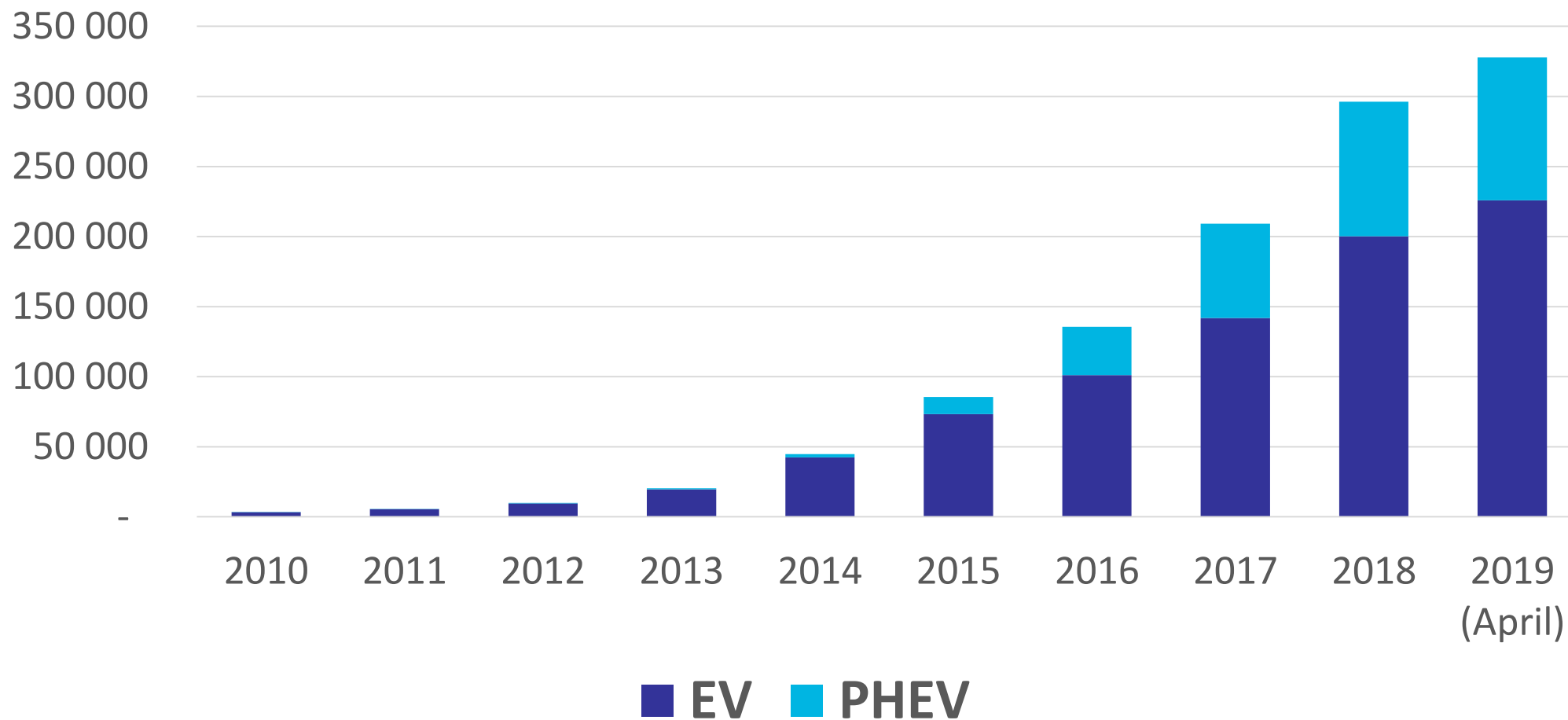
Norwegian EV Association with 75.000 members



The EU fleet average target: 95g/km in 2021

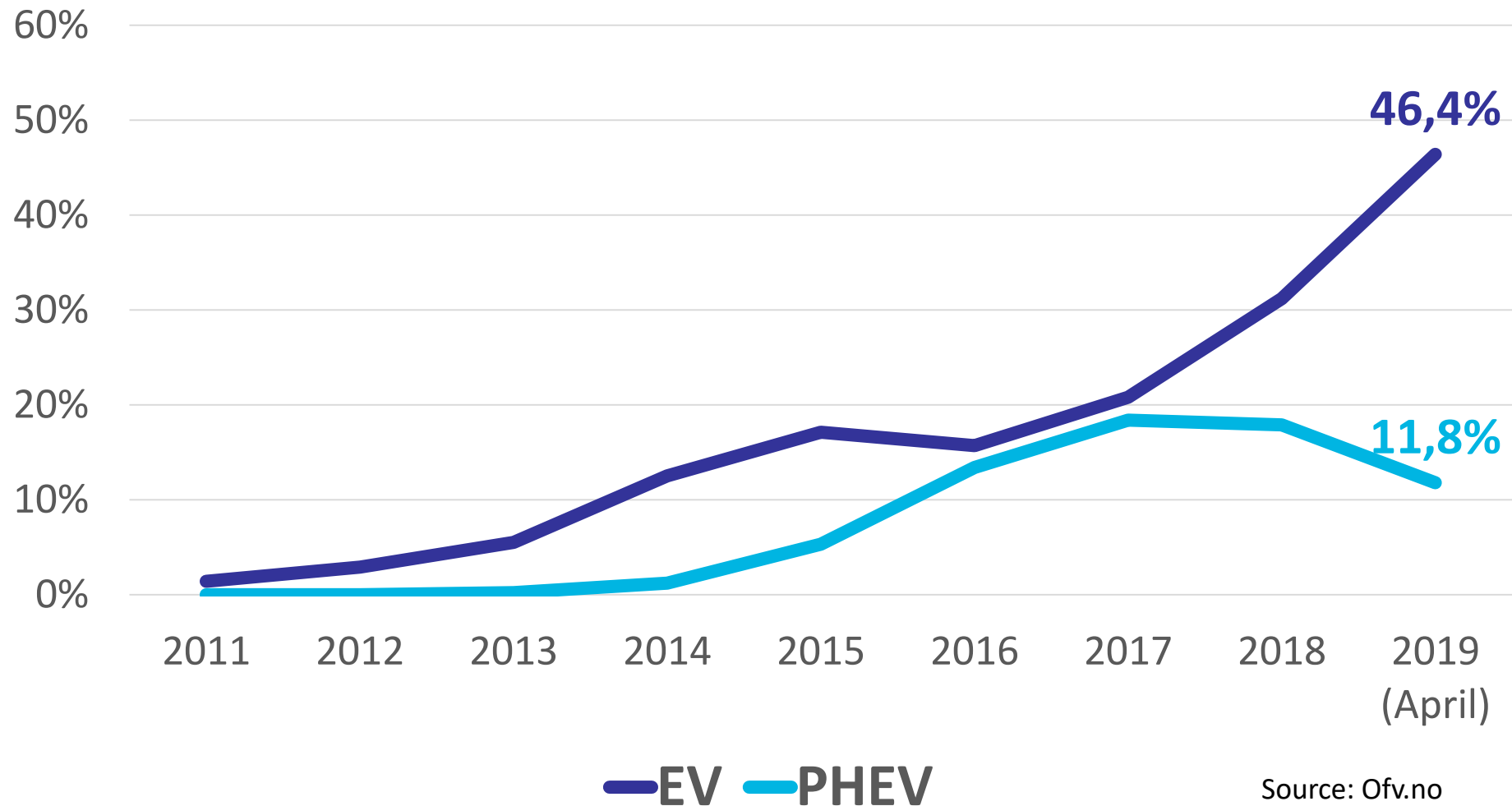
65 g/km

225 000 EVs in Norway! (+ 100.000 PHEVs)



Source: OFV and NPRA

Market shares new passengers cars



WHY? WHEN? HOW?

THERE IS NO
PLANET B




Photo: Shutterstock



RETROPOD

A DAILY PODCAST FOR HISTORY LOVERS


Listen 

Energy and Environment

The world has just over a decade to get climate change under control, U.N. scientists say

“There is no documented historic precedent” for the scale of changes required, the body found.

U.N. report: Temperatures to rise 1.5 degrees Celsius by 2030-2052



TIME

NEXT GENERATION LEADERS

THE TEENAGER
ON STRIKE FOR
THE PLANET

GRETA THUNBERG

PLUS
9 MORE
TRAILBLAZERS
SHAPING
OUR WORLD



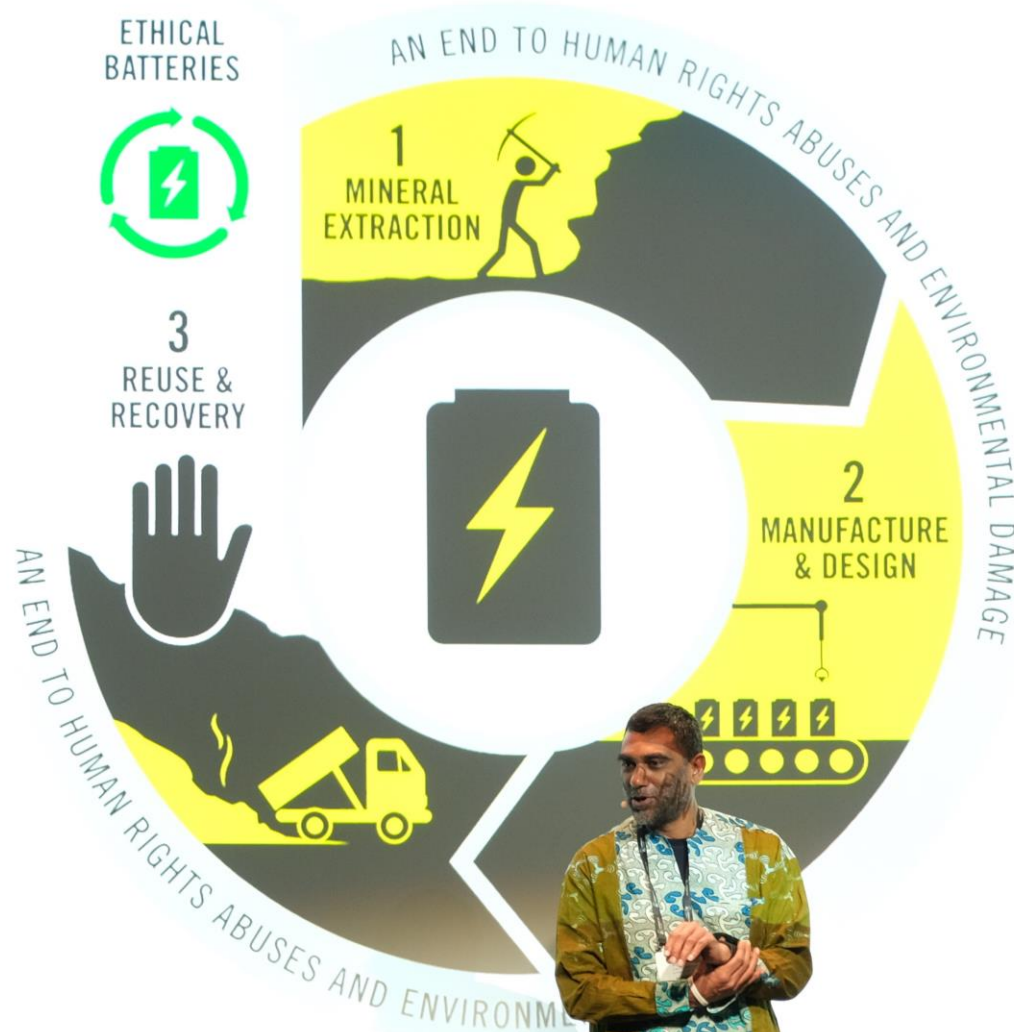
Electric cars will cut emissions

1. We must clean up the grid (switch to renewable energy)
2. We must change our vehicle fleet so it can run on this renewable energy

And both must happen as soon as possible!



BATTERY POWERED BY CHANGE



AMNESTY
INTERNATIONAL

Norway's how



Policies



Norway's 2025-goal

“All new passenger cars and light vans sold in 2025 shall be zero-emission vehicles. All new urban buses sold in 2025 shall be zero emitters or use biogas”.

Meld. St. 33

(2016–2017)

Melding til Stortinget

Nasjonal transportplan 2018–2029



How?

By taxing what we don't want
and promoting what we want!

→ cars that can run on
renewable energy.



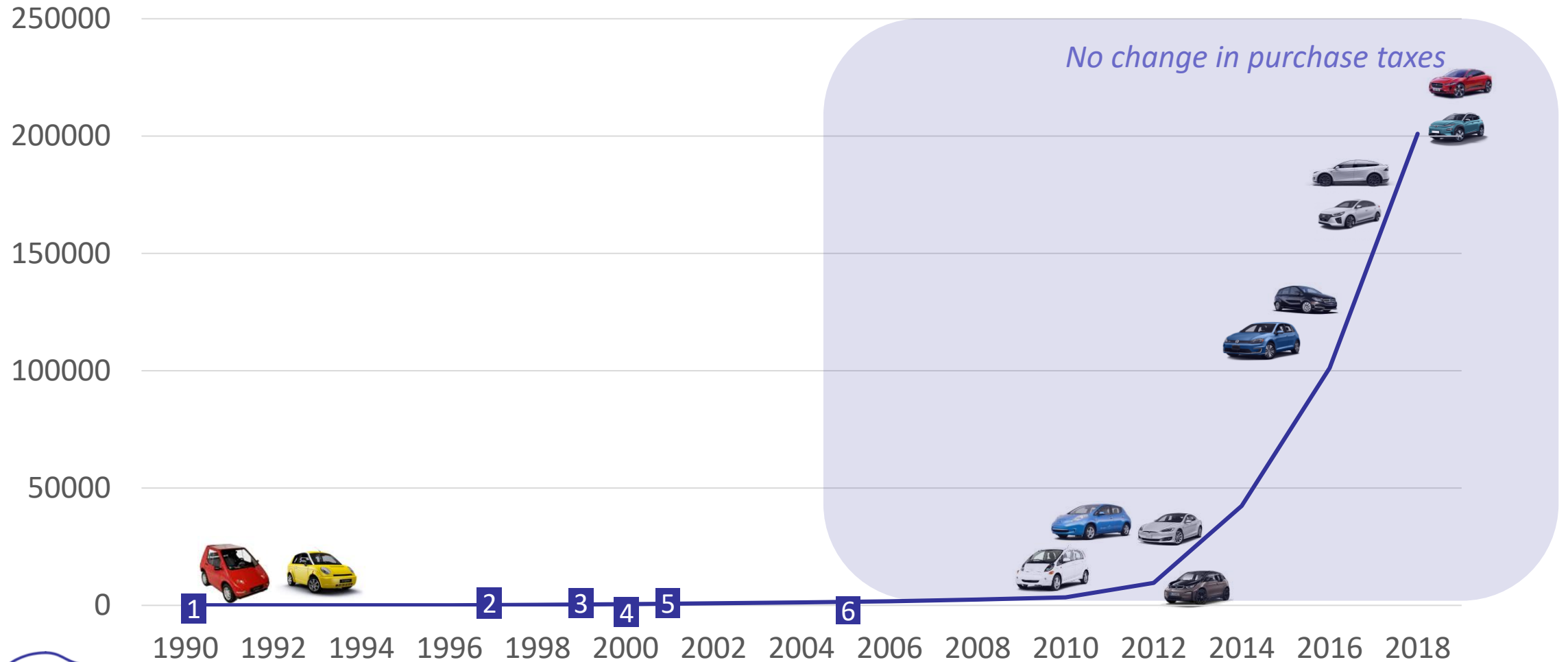
Support is key

- Buying or leasing:
 - No purchase tax
 - Zero VAT
- Owning:
 - No annual road tax
 - 60% company car tax
- Using:
 - Toll roads, ferries, parking
 - Bus lanes



EV fleet and policy

- 1 No purchase tax
- 2 No road toll
- 3 Free municipal parking
- 4 50 % reduced company car tax
- 5 0 % VAT
- 6 Access to bus lane



Market demand



Hva tror du skjer med en elbil i 40 kuldegrader?

Roald Isaksen i Karasjok kjøpte elbil for et halvt år siden. I dag fikk han for første gang prøve bilen i skikkelig kulde.



Dan Robert Larsen

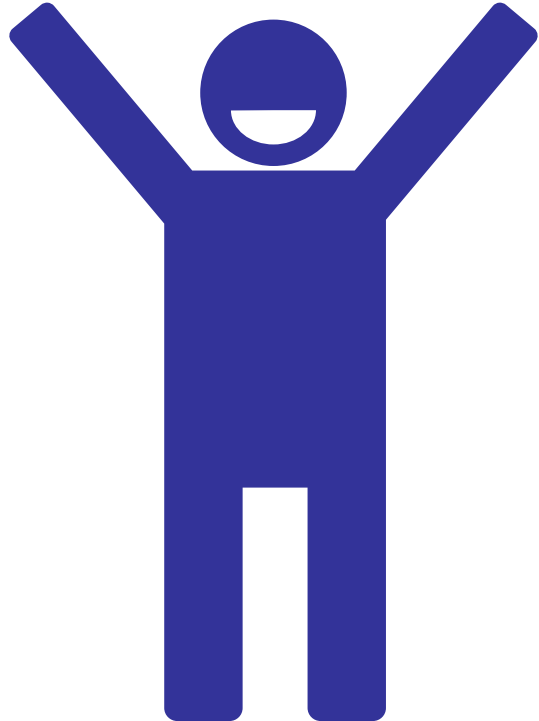
@doavttir
Journalist



Piera Balto

Journalist

🕒 Publisert 04.01.2017, kl. 13:38

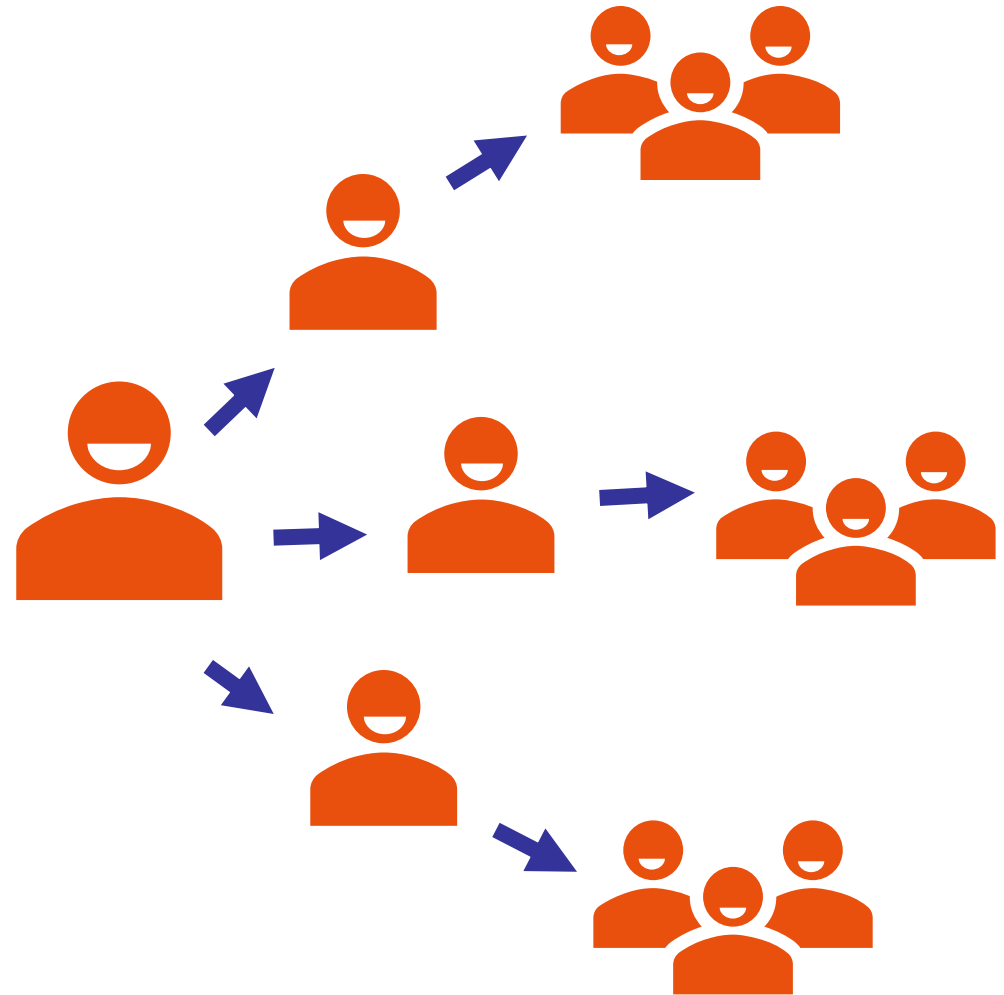


92 %

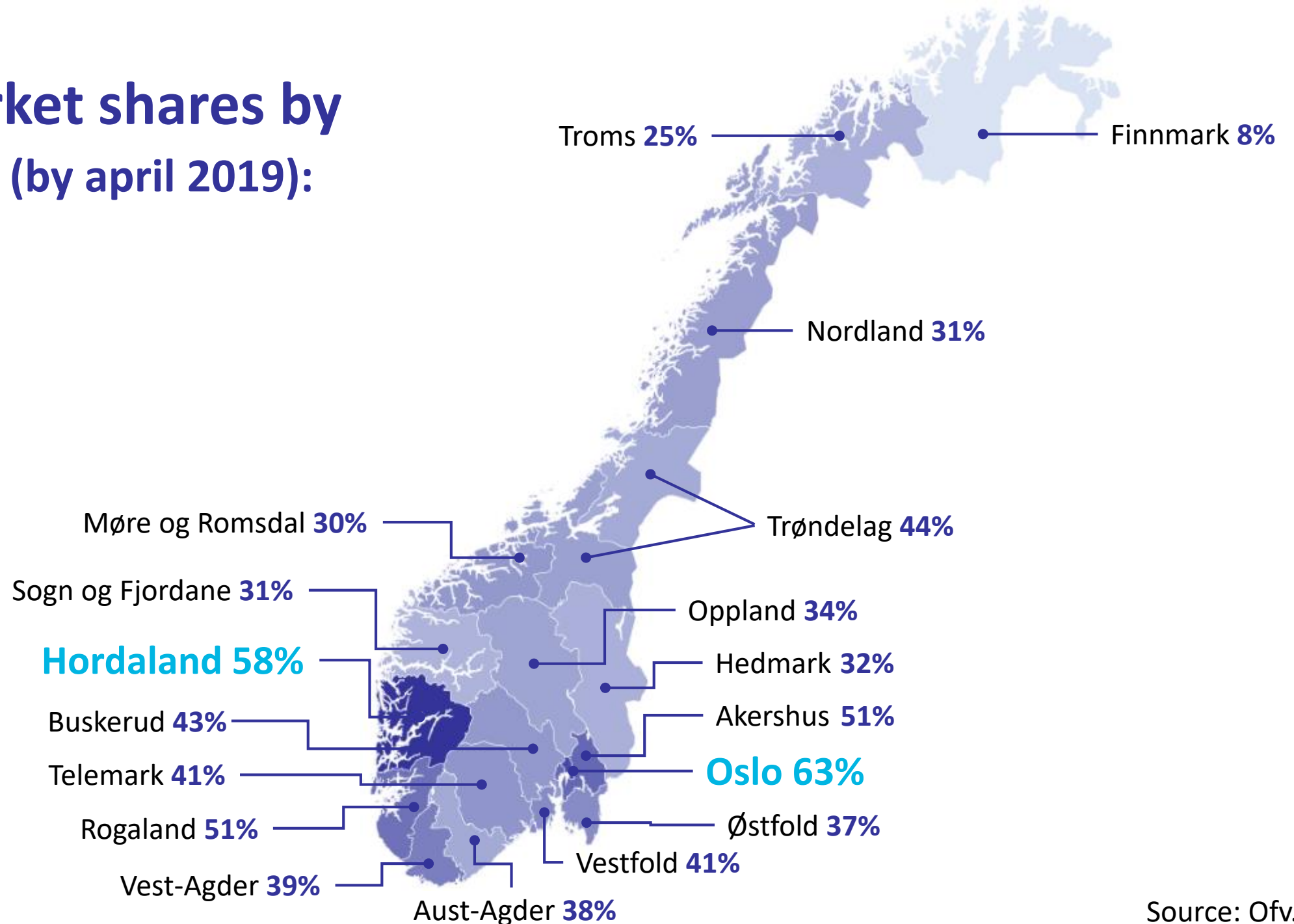
ARE SATISFIED OR VERY
SATISFIED WITH BEING AN
EV OWNER

73%

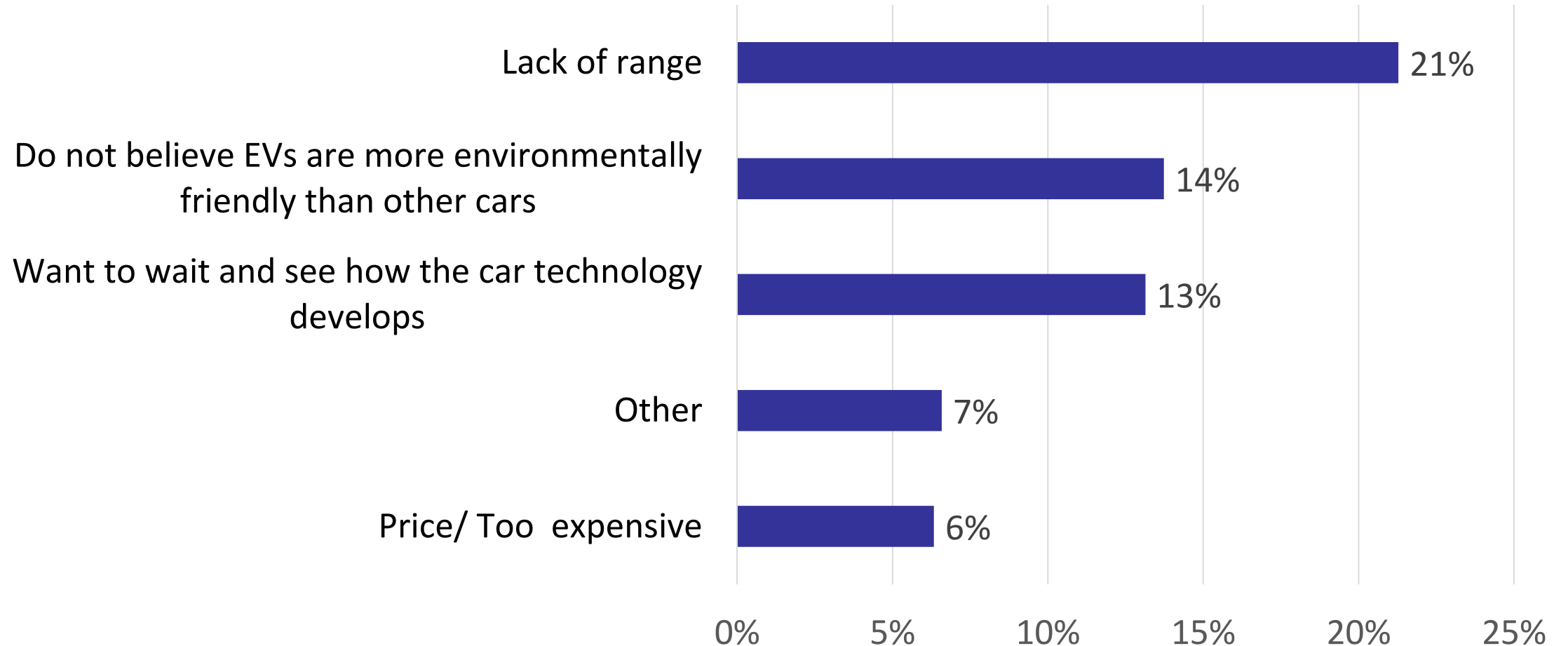
HAVE INSPIRED ONE OR MORE



EV market shares by county (by april 2019):



5 biggest barriers - in Norway



Charging infrastructure





Do you experience queues at fast charging stations?

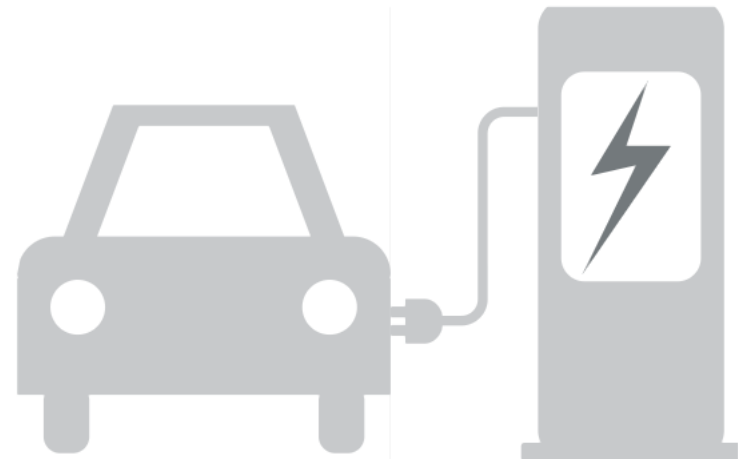
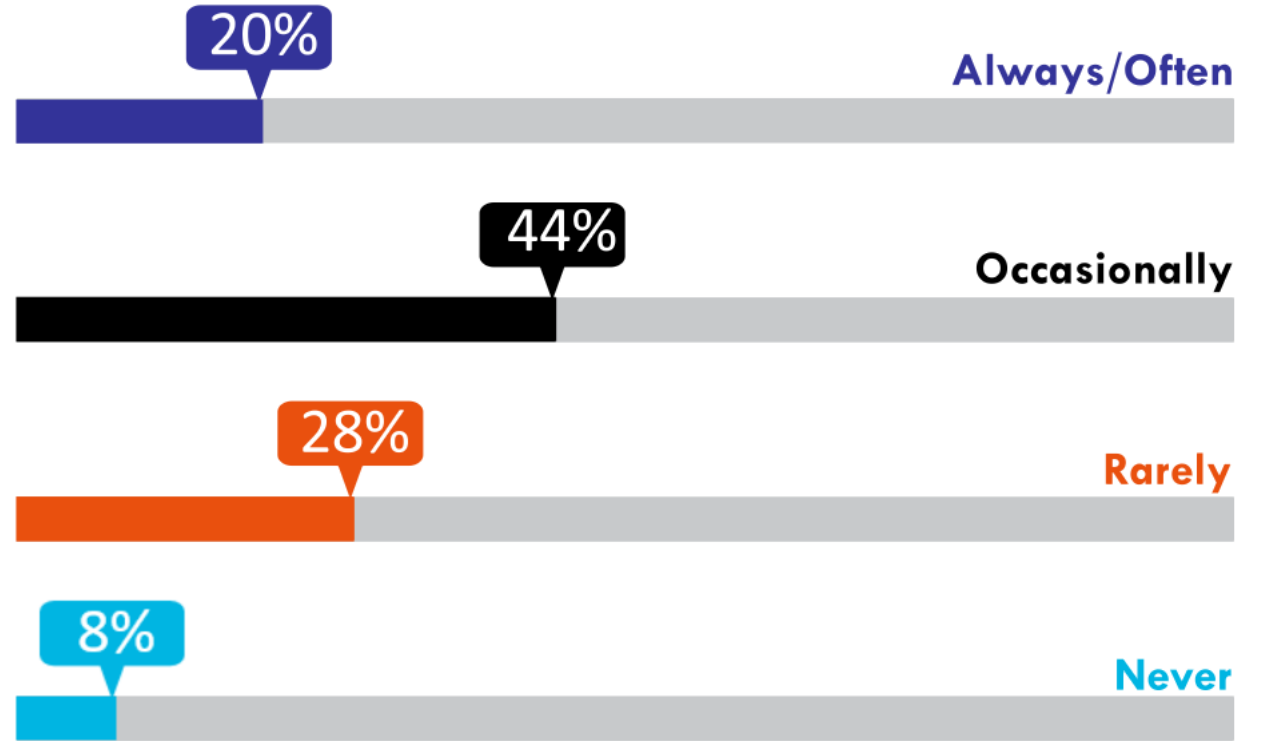




Photo: Lars Gullichsen

Next step: Larger and faster



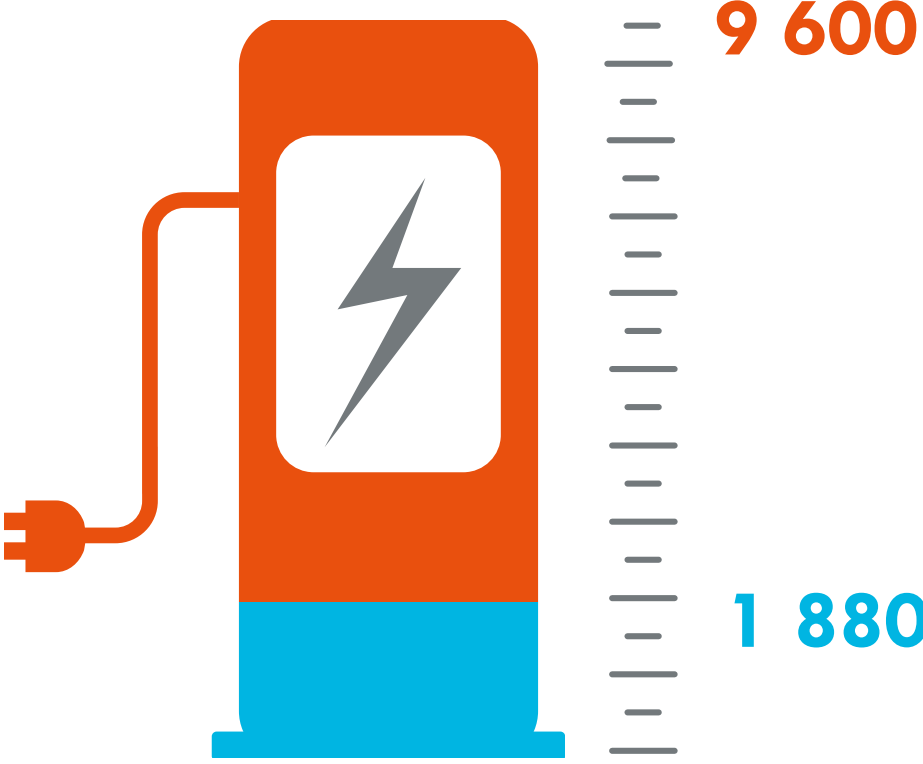


Towards 2025

2025



Now



Disruption in car industry



OEMs now think differently about BEVs



采用欧洲标准的纯电动新能源汽车
Electric vehicle in line with European standards

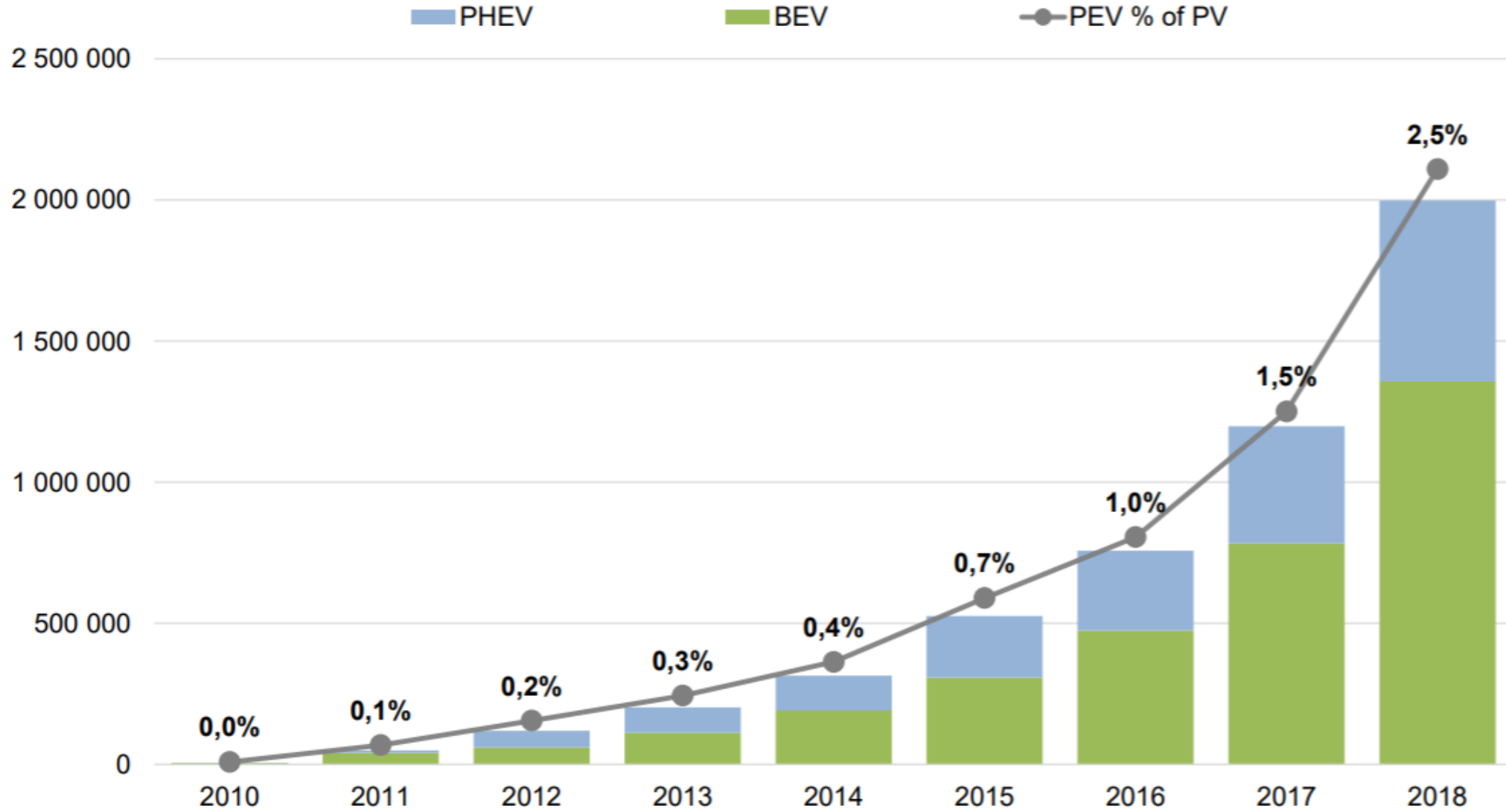


always

BUICK
Since 1903

Electric Passenger Vehicles Sales

- World, 2010 to 2018 -



What to do?

- Understand Disruption
- Think Collaboration
- Use Incentives
- Plan Charging



Electrification is spreading!





Screenshot from: <https://www.aftenposten.no/bil/Hun-liket-at-det-brummer-under-panseret--men-alternativet-ble-langt-billigere--Jeg-sparer-22000-i-aret--12280b.html>

Summary:

- Political measures are key
- Consumers are ready
- Charging is a business case and large scale next
- A great challenge but also opportunities for car industry





Norsk **elbil**forening



@Elbilforeningen



@Elbilforeningen



Elbilforeningen