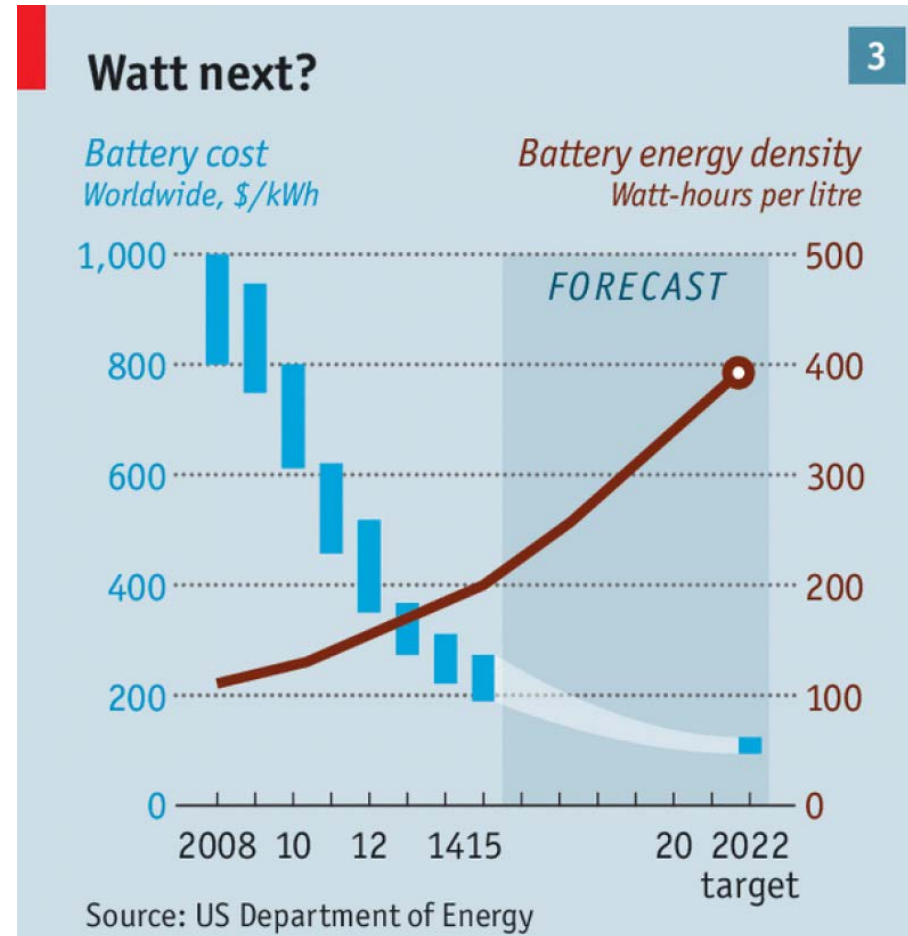
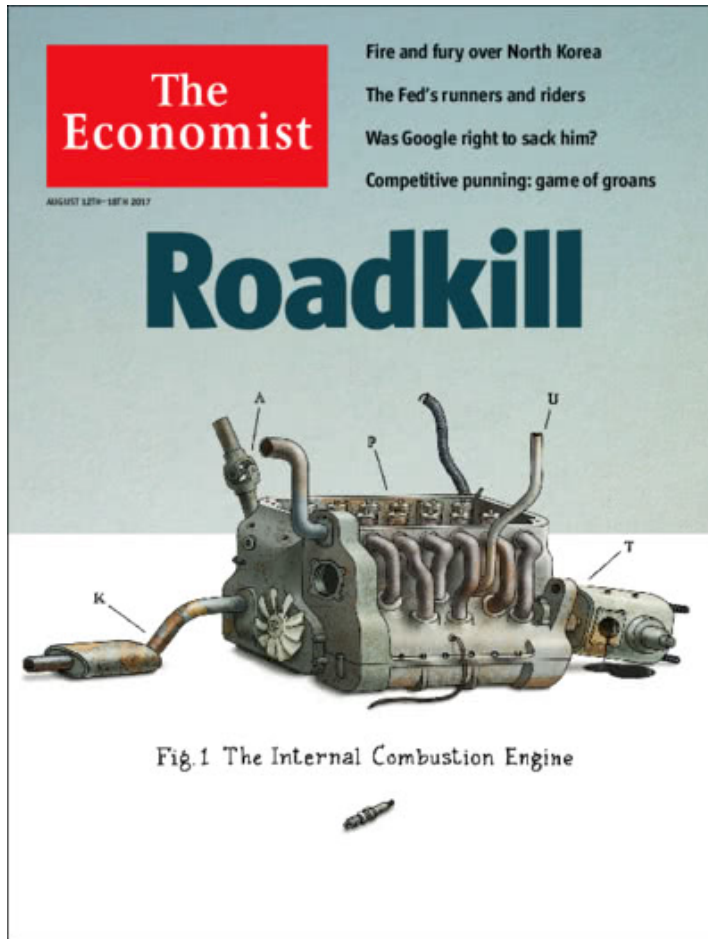


Equally
bad on
EBs as we
are good
on EVs

Haakon Gløersen | Nordic EV Summit 2018

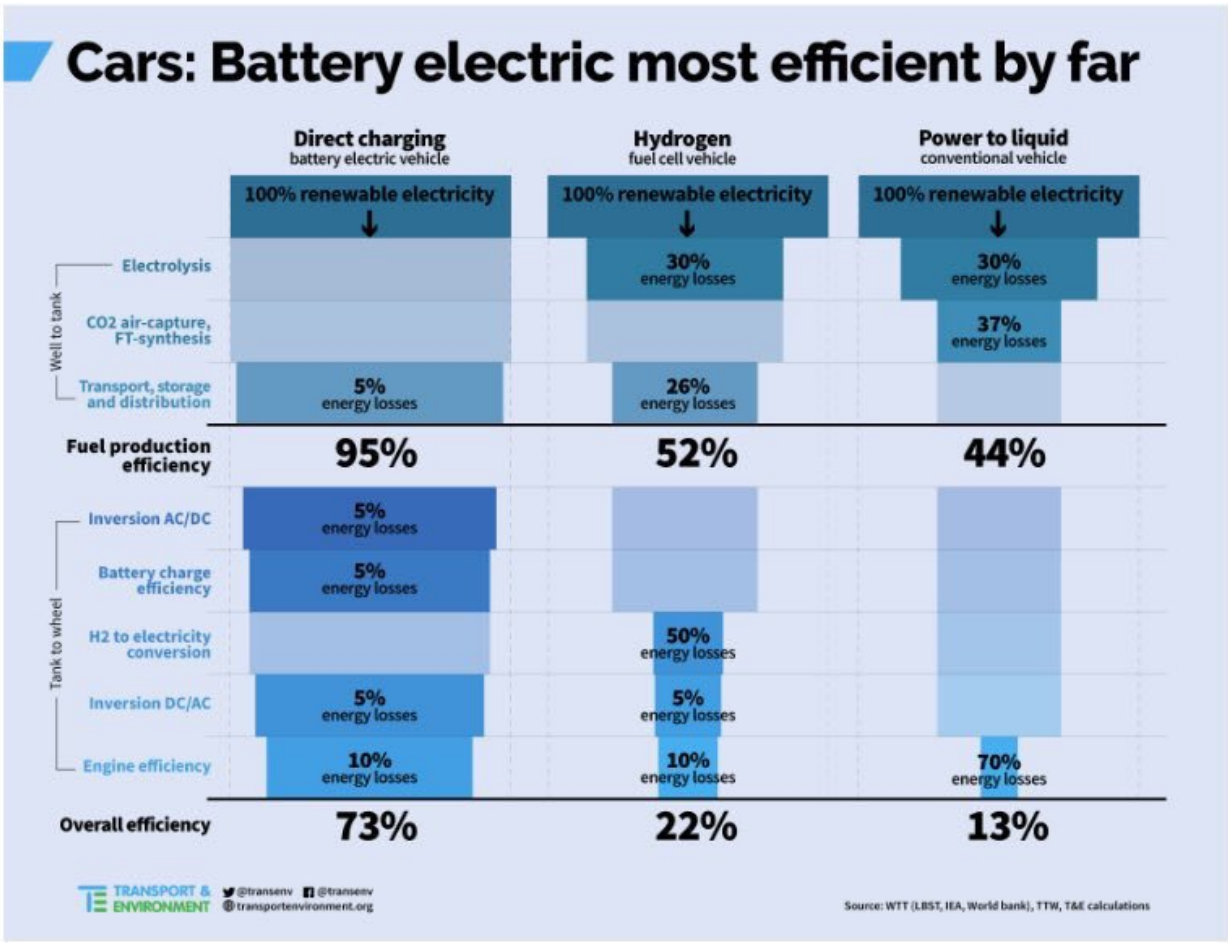
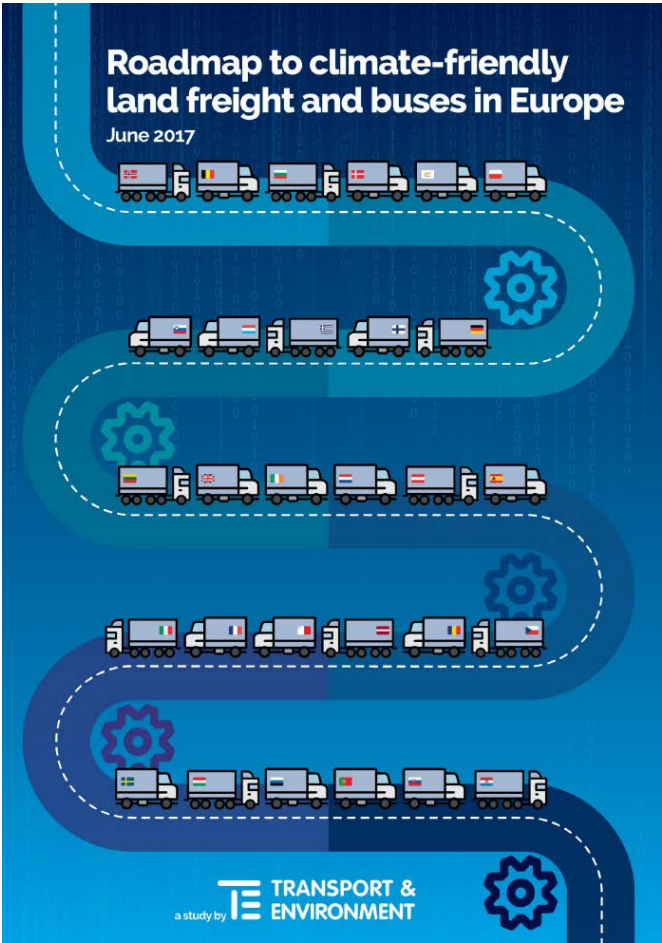


The world is turning towards battery electric transportation Because the price is dropping and energy density growing



The world is turning towards battery electric transportation

Because it is more efficient than alternatives



The world is turning towards battery electric transportation
And so are we in Siemens

SIEMENS
Ingenuity for life



The world is turning towards battery electric transportation
Also for city buses

SIEMENS
Ingenuity for life

Shenzhen

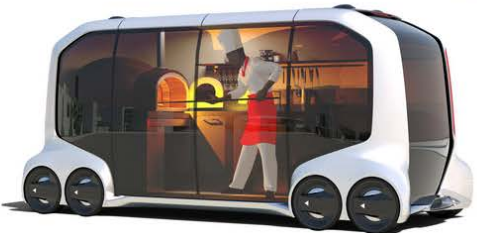
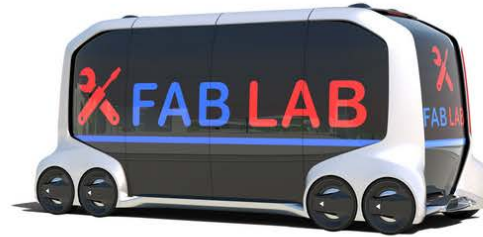


Busworld 2017



The bus is not only going electric, it is being reinvented

SIEMENS
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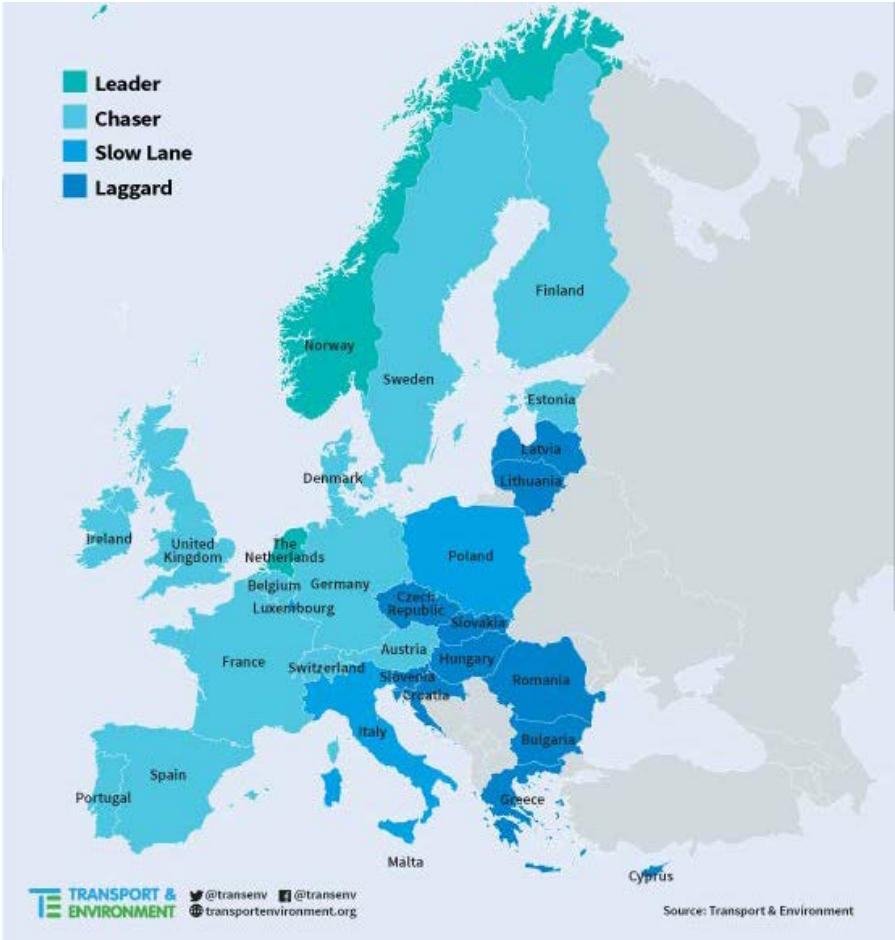
” *A city full of mobile
market places*

Toyota's vision

How are we doing in
the Nordics?



The Nordics: European leaders on electric vehicles



Ambitious goals for electric buses



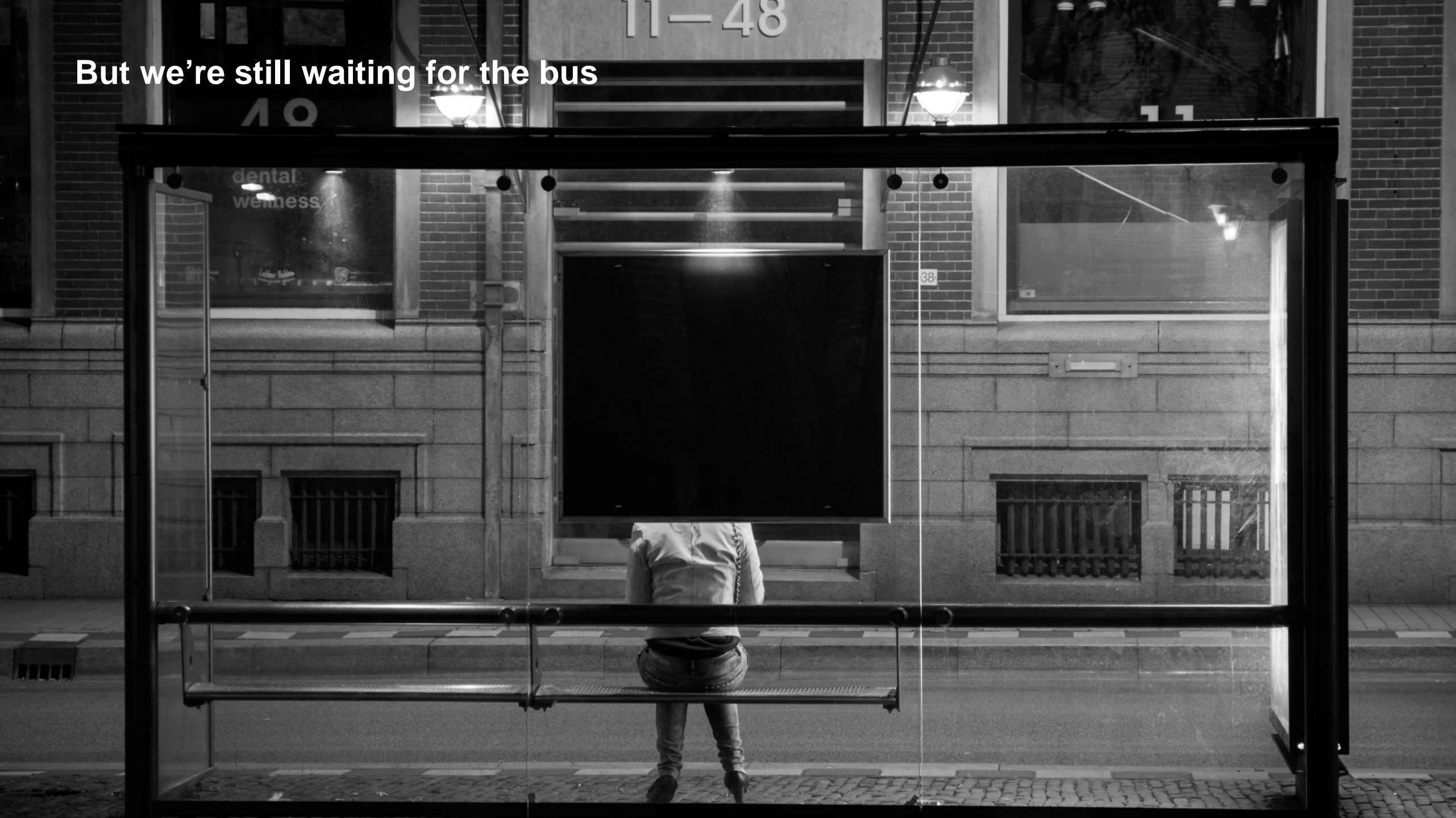
” *New city buses have to be zero emission or based on bio within 2025*

Norway | National transportation plan

” *Public transportation will use renewable fuels in 2020*

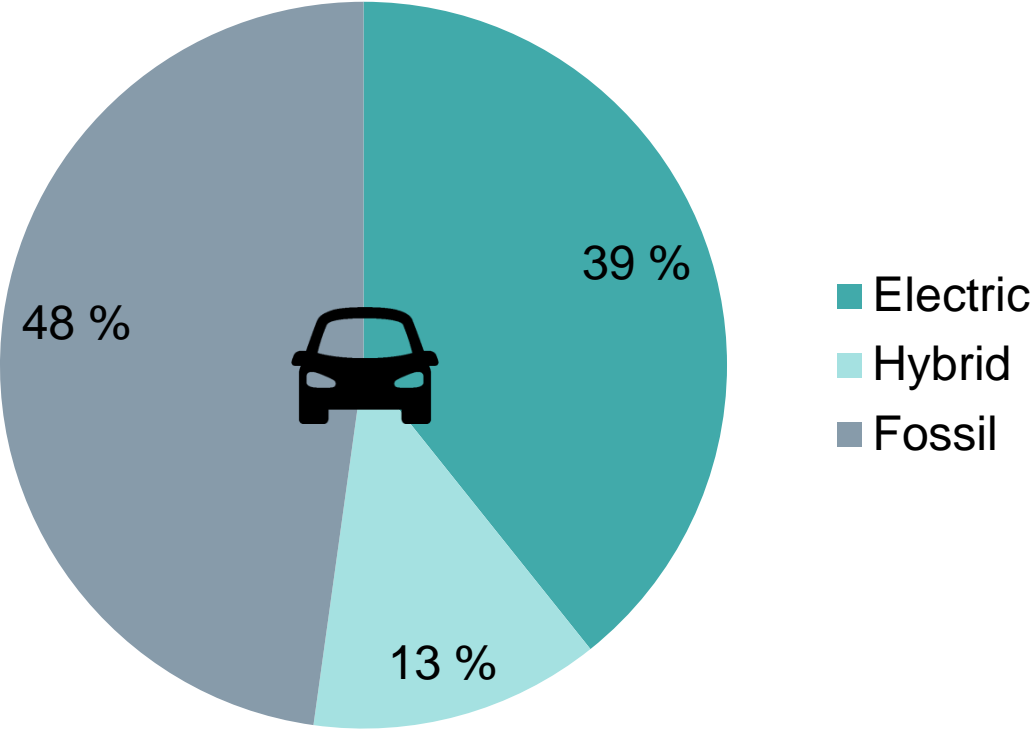
Oslo | Climate and energy strategy

But we're still waiting for the bus



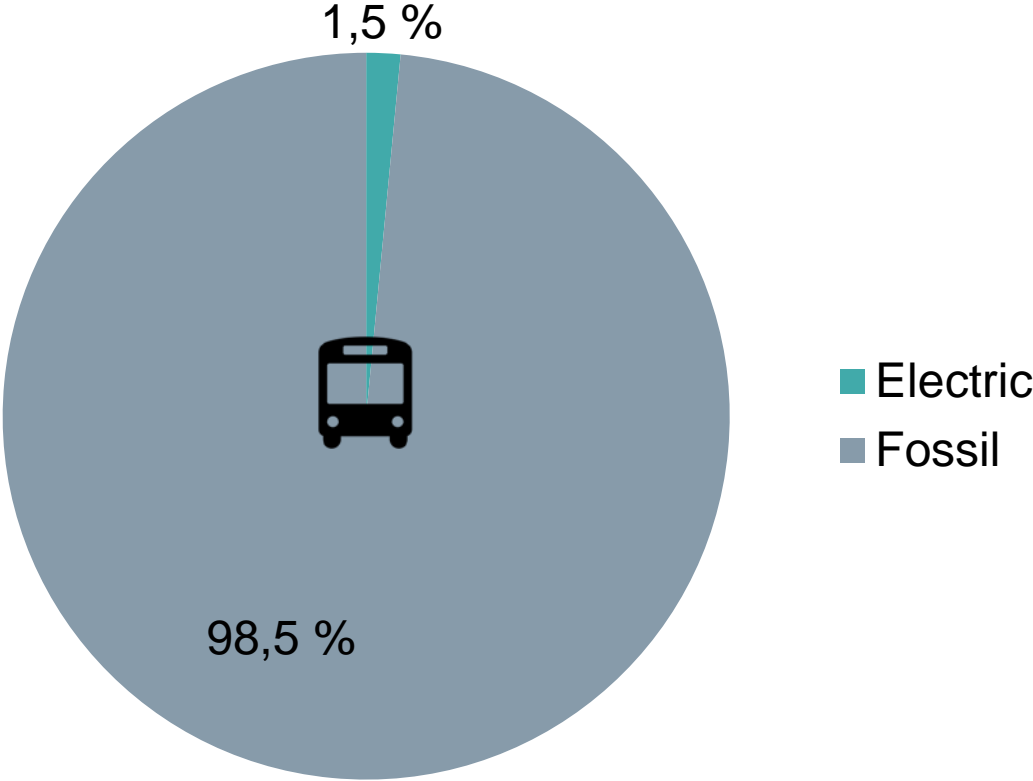
But we're still waiting for the bus

New car sales, Norway, 2017



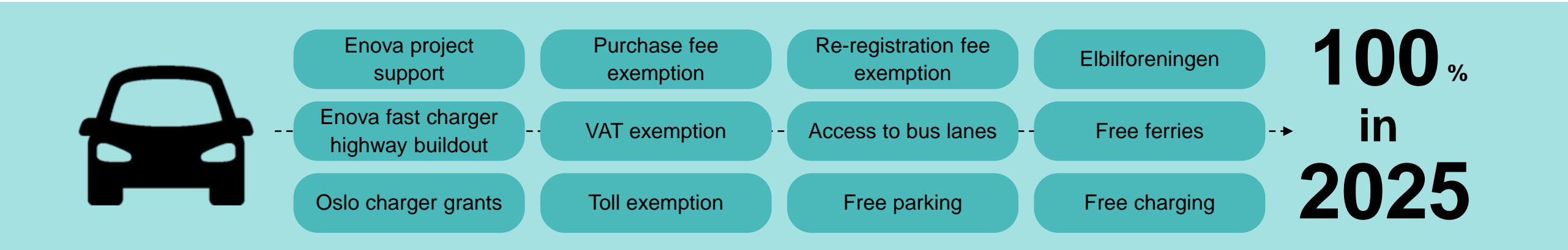
Source: Norsk elbilforening
*Electric = BEV, PHEV

New bus sales, Norway, 2017

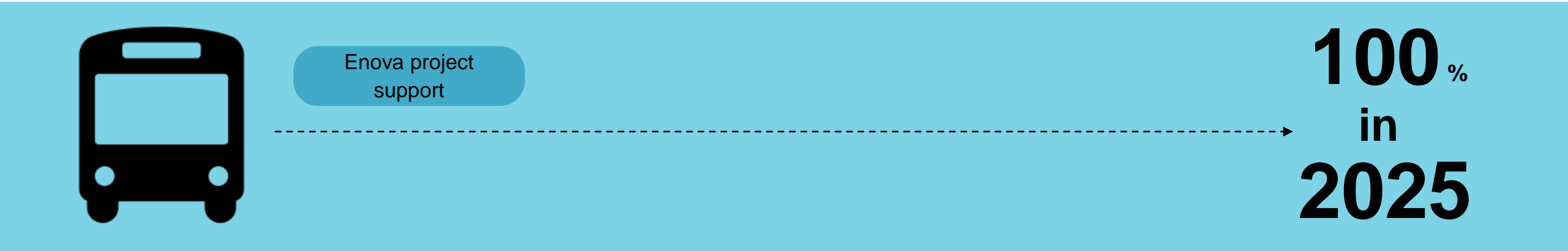


Source: OFVAS.

Problem 1: No plan



GOAL





Problem 2: No sharing of risk and responsibility

Problem 3: No real dialogue



Problem 4: No permit

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Electric vehicle chargers



Electric bus charger



Our appeal!

1

We need a plan and learn from the Nordic EV success story.

2

We must improve the market dialogue. Innovative tender principles would help.

3

We must share risks and responsibilities.

Thank you!

SIEMENS