

ENERGIMELDINGEN

en **helhetlig** energimelding, hvor **energiforsyning, miljø og næringsutvikling** sees i sammenheng



HYDROGENTEKNOLOGIEN ER TILGJENGELIG NÅ.




HYUNDAI

2014



TOYOTA

2015



HONDA

2016



2017 - 2020

ENERGIFORSYNING | ØKT FLEKSIBILITET

Case: Berlevåg

(Raggovidda)

Nettilknytning: 50 MW

Vindambisjoner: 45 – 200 MW

Mulig uten nettførsterkninger?

På Fosen er 1000 MW planlagt.



Transportsektoren – størst potensial for nasjonale utslippskutt:

15 TWh for full-elektrifisering (50/50 el/hydrogen)

60 TWh redusert innenlands fossilforbruk

Declaration on Electro-Mobility

Paris Declaration on Electro-Mobility and Clean Energy
A Call to Action
Lima – Peru Action Agenda

Transport contributes almost one-quarter (21 percent) of the current global energy-related greenhouse gas (GHG) emissions and is growing faster than any other energy end use sector. GHG emissions from transport are estimated to rise from today's levels by nearly 70 percent by 2050 and close to 50 percent by 2040 unless major action is undertaken.

Limiting the global temperature increase to below 2 degrees Celsius requires changing the transport emissions trajectory, which requires the development of an integrated electro-mobility ecosystem encompassing various transport modes, coupled with the low-carbon production of electricity and hydrogen, implemented in conjunction with broader sustainable transport practices.

According to the International Energy Agency, this transition will require, over the life span of global road transport fleets, around 10 million electric vehicles, as well as at least 20 percent of all road transport vehicles globally to be electrically driven by 2040 – a transition to be based on 2 degrees or less. Of this, light vehicles would generally contribute more than 60 percent and heavy-duty trucks to 20-30 percent, roughly 10 percent each, and more than 10 million cars by 2040, or more 1 million buses.

To achieve this goal, it is essential that electric drive vehicles (battery-electric, plug-in hybrid, and fuel cell vehicles, including two and three wheelers, cars, light commercial vans, heavy trucks and others) need to represent 10 percent of global sales in 2040.

We, the undersigned, acknowledge the scale of the challenge and the scope of opportunity. We recognize the need for leadership, and commitment, to address the work outlined in this declaration, wherever possible to increase electro-mobility in both compatible with a low-carbon 2 degree pathway.

We stand in solidarity with all stakeholders, business, consumer interests, and others in addition to the Declaration, take action, and advance global transition to electro-mobility.



*“...encompassing various transport modes, coupled with the low-carbon production of electricity and **hydrogen...**”*

<http://newsroom.unfccc.int/media/521376/paris-electro-mobility-declaration.pdf>

NÆRINGSUTVIKLING



HYDRO

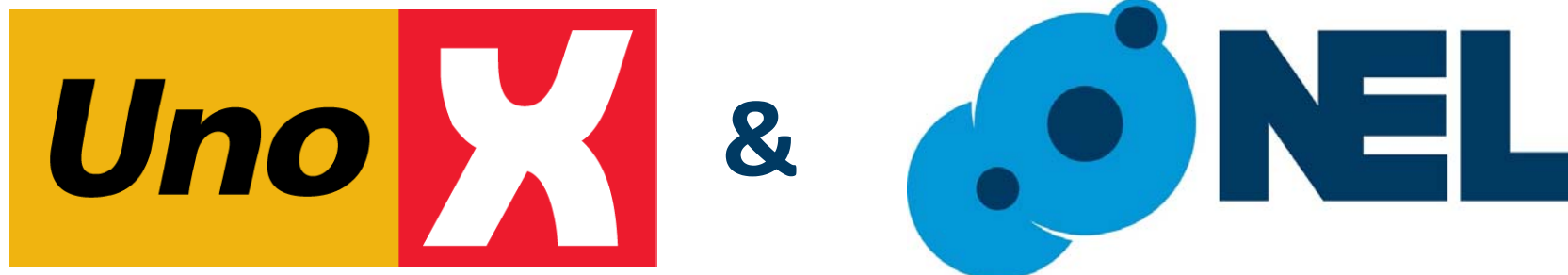


Statoil

NORSK HYDROGENHISTORIE (KORTVERSJON)



NY, NORSK HYDROGENHISTORIE (KORTVERSJON)



Bygger ut minimum 20 hydrogenstasjoner i Norge innen 2020

HYDROGEN BERØRER ALLE TRE FOKUSOMRÅDER:

