

Zero Emission bus conference Oslo, August 28th-29th

The large breakthrough for zero emission buses in the Nordic countries are happening now in 2019. In Norway more than 170 zero emission buses will be in operation this year in Drammen, Kristiansand, Stavanger, Lillehammer, Trondheim, Akershus and Oslo. In the Oslo-region there will be in total 120 in operation by August.

In collaboration with the Norwegian public transport association, Ruter and Nordic Energy Research, we invite to a Zero emission bus conference 28-29 August, in the mobility week in Oslo.

The aim of the conference is to learn from the experiences so far from planning and implementation of tenders, start-up and operation. To share knowledge needed for the large shift to zero emission buses. There will be field trip to see and learn from the electric buses and charging solutions in Oslo.

Content conference:

August 28th

- Nordic status for zero emission buses
- Technology status for buses, charging solutions and hydrogen.
- Experiences from public transport authorities, bus operators and suppliers.
- Field trip electric buses and charging infrastructure in Oslo.
- Conference Dinner

August 29th

- Learnings and the way forward for planning and tender processes.
- Policy framework for zero emission buses
- How to get good and cost-efficient solutions for large scale zero emission buses deployment.
- Electric buses in field operations, possibilities for more field excursions



Welcome!

Location: [Ruter visit center, Jernbanetorget 1, Oslo](#)
[Program and registration here \(link\)](#)

Contact marius.gjerset@zero.no, 926 56 010
reidun.eckhoff@kollektivtrafikk.no, 478 36 751

The conference is organized in collaboration by:

- [ZERO](#) - an environmental organisation working for to solve the climate change challenge.
- [Ruter AS](#) is the public transport authorities in Oslo and Akershus – the largest PTA in Norway.
- [The Norwegian public transport association](#) is the is a national organization for PTAs in Norway.
- [Nordic Energy Research](#) is the platform for cooperative energy research and policy development under the auspices of the Nordic Council of Ministers.



Preliminary program

(program to be updated with confirmed speakers soon)

Wednesday, August 28th

8.00- 9.30 Drive electric bus in ordinary traffic in morning rush

9.30-10.00 Registration and coffee

10.00 Welcome

Status for emission-free buses in the Nordic countries

Status Norway

- Oslo-Akershus, Ruter
- Trondheim, AtB
- Bergen, Skyss
- Drammen, Brakar

Status Denmark

- Movia

Status Sweden

- Swedish Public Transport Association
- Skånetrafiken

Status Finland

Status Island

Status technology, buses, charging, hydrogen

What are the available solutions now, and what's coming soon?

Bus suppliers

- Volvo
- Solaris
- VDL
- BYD
- Mercedes-Benz / Daimler

Charging Infrastructure

- ABB

Hydrogen

- H2BusEurope, NEL

Bus operators experience with purchasing and operating

- Tide
- Unibuss
- NorgessBuss
- Movia

Electric airport shuttle buses. Avinor

Zero emission tour buses (coach)

Zero emission minibuses

Studytour

- Electric bus to bus depot with charging infrastructure Alnabru.
- Guided tour Ruter/operators

Conference dinner



Thursday, August 29th

8.00-8.30 Coffee

Framework for fossil-free and zero emission public transport

Framework for zero emission buses

- Financing. Enova.
- National framework for zero emission public transport
- How do the regional counties implement zero emission public transport?
- Discussion. What's needed for framework for large scale deployment of zero emission buses?

Planning process and tenders

- Lessons learned from the planning and tenders so far. How to improve. Conversation with PTAs.
- How to get good planning and tender processes for best solutions and reduced costs? Conversation with Bus operators.
- The new players in the bus value chain for zero emission solutions.
 - Grid operator. How to get electricity and grid upgrades in time?
 - Planning authorities. Process and permissions for charging infrastructure in time.
- The way forward for the large shift to zero emission buses. Conversation.

Program end (approx. 13:00)

Lunch

Driving electric bus and charging in ordinary traffic (extra).

Study-tour

Information for the zero emission buses in operation in Oslo in 2019.

- In May-June, 70 new electric buses in operation in Oslo. (Unibuss with 40 electric buses from VDL (30 articulated buses), Norgesbuss with 10 electric buses from Solaris and Mercedes-Benz, Nobina with 20 articulated buses from BYD).
- 39 electric buses operating summer/early fall in Akershus with buslines to Oslo and at Lørenskog (Norgesbuss with 17 electric buses from Volvo and Nobina with 22 electric buses from BYD).
- 6 electric buses in pilot project in operation since 2018 (4 Solaris and 2 articulated BYD).
- 5 hydrogen buses have been operating in pilot projects since 2012 (VanHoel).
- Total 121 Zero emission buses in operation in 2019 of a total of about 1200 buses.
- Ruter has decided to change to fossilfree public transport within end of 2020. And zero emissions within 2028, with a rapid transition to ZEV through renewal of contracts and availability in the market. More in the strategy report from Ruter march 2019: [Zero emission public transport in Oslo and Akershus \(in Norwegian\)](#)

