

Contemporaneously

Date 12.01.2017
Tid 10:30-15:30
Sted Jernbanetorget 1, 0154 Oslo
Present See attachments

Contemporaneously – Supplier conference autonomous public transport

Welcome and introduction by Bernt Reitan Jenssen - Ruter

Ruter has great expectations for this conference. Small, autonomous vehicles could be a “game changer”. Things can change very rapidly, but we don’t know how fast.

We have dialogue with the authorities on autonomous public transport, and wants to be in the driver’s seat.

Information about Ruter and future developments by Endre Angelvik - Ruter

Ruter is the PT in the Norwegian capital region and have 334 million boarding passengers each year.

Ruter refers to the report “Shared Mobility – Innovation for Liveable cities”.

This report looks at the combined impact of two major new developments: ubiquitous computing and shared mobility services.

Specifically, it examines the effect of replacing all car and bus trips in a mid-sized European city with automatically dispatched door-to-door services. The report finds that such systems can massively reduce the number of cars on city streets while maintaining similar service levels as today. They also result in significant reductions of distances travelled, congestion and negative environmental impacts. Not least, automatically dispatched, door-to-door services also improve access and reduce costs to consumers.

Ruter needs to learn, and needs to do it together with the market. There is a number of possible service scenarios, and Ruter would like autonomous vehicles to be a part of the Ruter-network.

It is not settled how this will be procured. This could be a tender or an innovative partnership.

See attached ppt.-presentation.

Innovative procurement by Tina Hageberg Sølvberg – NHO

NHO emphasized that dialogue is important as early as possible when you will do an innovative procurement, and went through the steps to ensure proper dialogue. NHO gave examples of successful innovative procurements.

See attached ppt.-presentation.



Information and status on legal and regulatory matters by Anne Berit Stavseth and Espen Rindedal – Norwegian ministry of Transport and Communications

Self-driving vehicles represent huge opportunities, and the Norwegian government has initiated the process to remove legal obstacles to facilitate testing of self-driving vehicles, also with no human driver in control.

The ministry presented:

- the legal challenges of self-driving vehicles
- the effects of self-driving vehicles in the community
- scope
- main features of the legislation
- privacy
- responsibility
- the way forward.

See attached ppt.-presentation.

Presentations by:

- Nobina Technology by Marcel Koreze
- Easymile by Clément Delbouys
- Autonomous Mobility by Peter Sorgenfrei
- Bertel O. Steen by Are Knutsen
- Acando by Olav Madland
- Keolis by Jan Jansson
- Gjensidige by Kasper Dahl & Antoine Philippart
- Biomimicry Norway by Michel Wolfstirn
- Attensi by Espen Frederiksen

See attached ppt.-presentations.

Questions/Answers

Q: Apart from legal issues - when do Ruter assume to start autonomous public transport?

A: We need to come back to that question. We can't do it our self – we have to do it together with the market. We want to go in to a dialogue with you all. We will send the participant some questions and for those who answered the questions will we have 1 to 1 meeting.

Q: Do you consider starting before all the legal are arranged?

A: We have to get in dialogue with the market before we can answered the questions, but we want to be ambitious. The market can suggestion how we can start as quickly as possible in 1 to 1 meeting.

Q: Would the answered in 1 to 1 meeting be public?

A: No, but the questions we asked will be public.



Q: Can you say something about the timeframe?

A: If it is possible we want to do something this year. We want advice from the market on how fast and how we can do it. We are ready

Summary by Endre Angelvik and Bernt Reitan Jenssen

We have to work together if we are going to get autonomous public transport fast into the market. It is no big showstopper, but we have a lot of opportunities and some challenges. We have many questions we have to answer within a short time. We will have fleet of autonomous minibuses in Oslo and Akershus in the nearest future and we expect that the legislation is clear during 2017. We are interested in cooperating with other industries and sectors as well. We have to adopt and use new business models when we are implement these changes to the market.

We will come back with some questions in a few days.

Thanks for your participation!