



### **Innovation in road Transport**

Opportunities for improving efficiency

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### **The first part in my information is about the ITS World Congress in Stockholm 21-25 of September 2009.**

The main objective for the ITS World Congress was;

- To bring forward the day to day benefit of "ITS in daily life".
- To accelerate widespread deployment of interoperable ITS-solutions
- To show the potential of ITS and multi-modality
- To see, experience and ITS by;

Attending and listening to interesting sessions and up to date topics

Visiting the exhibition and seeing new, innovative solutions being presented

Trying and experiencing a variety of hands-on demonstrations

- Attract new groups from all modes of transport
- To stimulate and increase the cooperation between the public sector and the private sector.
- To modernize and renew the content of the congress so it will be more attractive for the delegates
- To present real life examples on how "ITS" could contribute to minimized environmental damage.

The Congress focus on benefit for society and individuals and how to take care of efficiency, climate-change, multimodality etc.

Basic for this preparation is that we need to establish a good transport or a good travel using all transport modes in cooperation instead of competition between road, rail, maritime and aviation.

During the Congress the Swedish Government decided that Swedish Road Administration together with other authorities and the business community shall deliver a ITS Action Plan covering all transport modes and based on targets and timetable.

That means that we can use all the experiences from the preparations before the ITS World Congress and use the network and cooperation between authorities and business such as between Swedish Road Administration and Ericsson concerning "mobile coverage I Stockholm area", "Road Usage charging", "Data Brokering", "Co-modal ride sharing".

The link between problems in society and solutions and market is of great importance and cooperation in development, pilots etc. is an efficient way to use.

When we implement ITS solutions in the future it is important that we do so for all the transport modes both about standardization and implementation and not keep anything for a single brand och transport modes. If we do so that will cost much more both for the society and traveler and transporter.

Of course there is research and development going on in the trucking industry and I like to give one example from Scania:

"Truly sustainable transports" – this is the vision for the Swedish vehicle manufacturer Scania to use ITS.

Goods transport are expected to increase by 50% over the next 20 years. The EU:s targetings a 20% reduction in emissions by 2020. But Scania has even higher target.

Scanias vision is that carbon dioxide emissions per transported tone are to drop by 50% between 2000 and 2020. The most important factors to achive this are:

- Widespread improvements in logistics using ITS.
- Increased driving skills and driving support.
- A gradual optimization of all parts of vehicle engineering – from more efficient transmission to better aerodynamics and hybrid solutions.
- Changes in legislation to benefit longer vehicle combination.a gradual introduction of alternatives to conventional fuels.

**The second part in my information is about what is going on in road transport using ITS solutions today and in the future.**

This part of the information is attached in 12 power point pictures.