PRINT project period is 2008-2010.

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Project partners

SINTEF: Project owner, R&D Partner
NTNU: R&D Partner
The City of Oslo: Public partner
Posten Norway: Industry partner
Swarco Norway: Industry partner
Mizar: Industry partner

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**Consept**

The PRINT project seeks to permit a more green traffic flow in urban areas through reducing pollution from commercial trucks by giving priority and thereby reduce the numbers of stop and starts.

The green ITS solution is based upon existing technology like detection, tracking and priority hierarchy within traffic light signaling.

The adaptation and utilization to aid commercial trucks are however a new concept, that shows substantial potential with regards to reducing emissions and fuel consumptions.

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### Concept and strategy for priority of urban commercial traffic

1. Concept and strategy for priority of urban commercial traffic
2. Priority schemes – hierarchy
3. Route guidance
4. Demonstrator
5. Willingness to pay
6. Simulation

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**Demonstrator**

The priority schemes will be shown in a live demonstrator in Oslo. The cooperation with industry partners, the City of Oslo, as well as freight transport will enable PRINT to make a full scale test of different scenarios for priority of commercial traffic.

The challenge is to achieve improvement for selected vehicles, or groups of vehicles, according to the selected priority schemes, without reducing the total road capacity.

10 equipped trucks are monitored and given priority through both adaptive signaling as well as lane assignment.

Communication with the central system ensures that that truck gets priority.

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**Simulation**

The traffic simulations will extend the possibilities for evaluation of the various scenarios. It will make it possible to quantify the benefits for the different road users, and will bypass any technical or practical limitations that may occur for a live demonstrator.

Hence, some of the scenarios will be developed and evaluated within the framework of traffic simulation only.