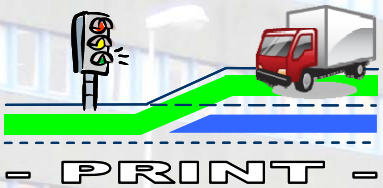

PRINT

PRIoritity of urbaN commercial Traffic

PRINT project period is 2008-2010.

The project is funded by the Norwegian Research Council through the research programme “SMARTRANS”.

www.sintef.no/print

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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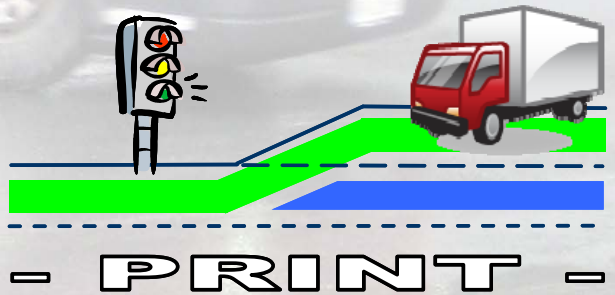

Consept

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.

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.

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.