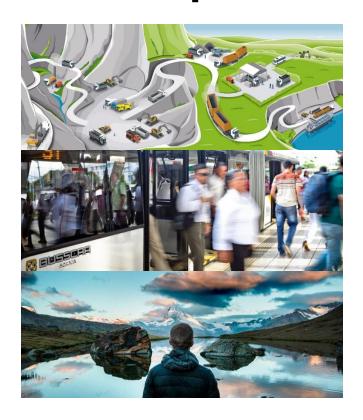
Autonomous vehicles





Impact of autonomous vehicles



Improved productivity, fuel efficiency, uptime, lower investment costs for infrastructure etc.

Safer operation – avoid accidents with human injury

Reduced emissions



Scania's automation systems





Scania's automation systems

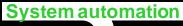
Industrial



















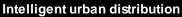








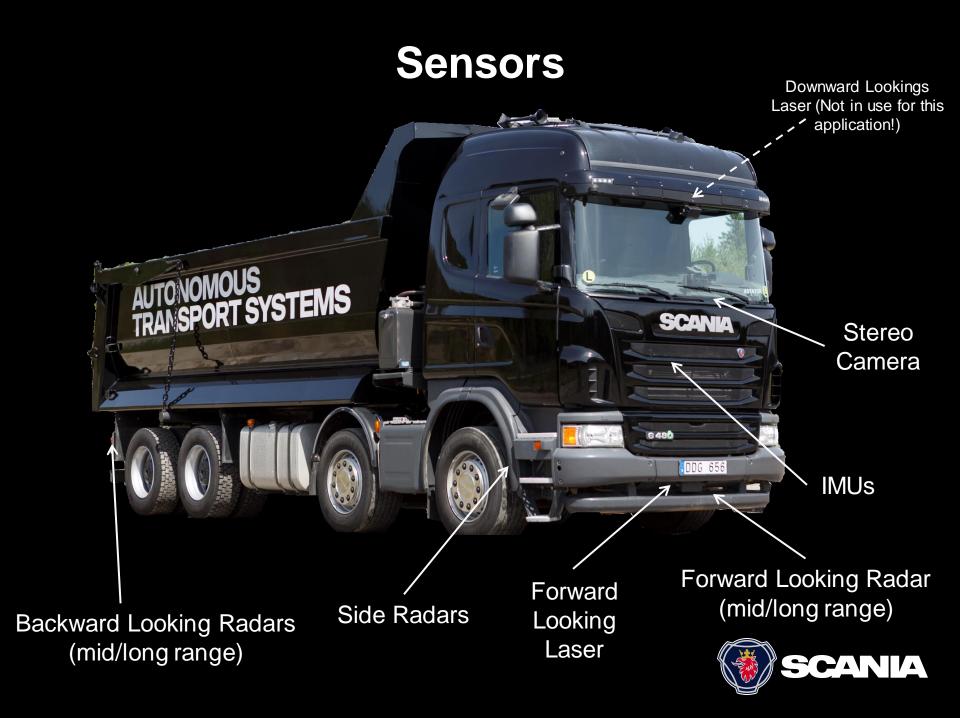






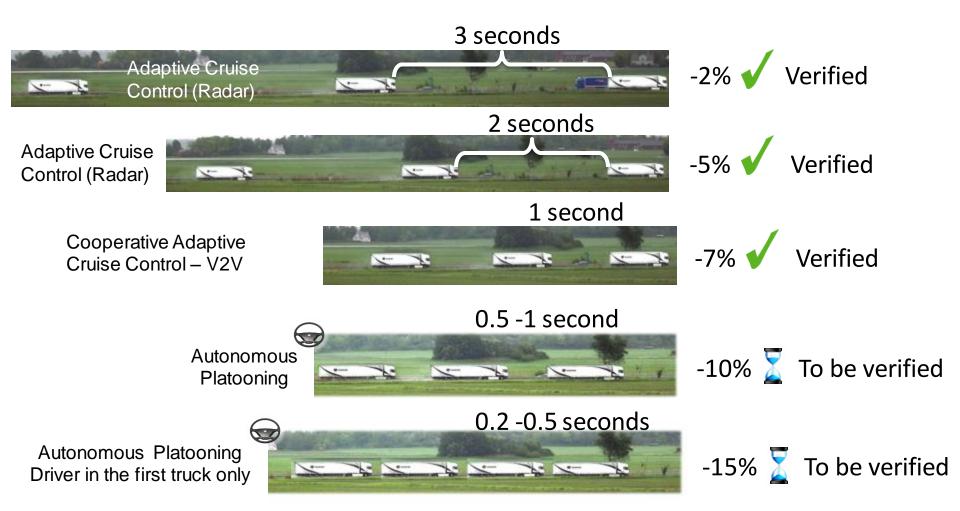






Fuel Consumption

Platooning





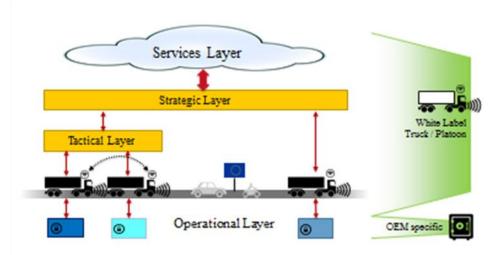
REP/Tornmalm 2016-02-03

European Platooning



LAYERED ARCHITECTURE









Companion







Scania has recently been engaged as the lead partner in the EUR 5.4 million European research project Companion, which has developed systems for implementing truck platooning technology on roads.

SCANIA conducted experiments on the Platooning concept (trucks interconnected through V2V communication running at a very close distance) and shown that interesting fuel savings can be achieved thanks to the reduced aerodynamic drag

https://www.youtube.com/watch?v=_19ui-8f8cw



Sweden4Platooning



- 3 year FFI project with Scania, Volvo, Royal Institute of Technology, SICS Swedish ICT, DB Schenker AB and the Swedish Transport Admin.
- Main goals:
 - Pilot <u>Multi-Brand</u> CACC (longitudinal control of trucks) at haulage company
 - Demonstrate <u>Multi-Brand</u> platooning (lateral and longitudinal control of trucks) at suitable test site





Platooning Project - Singapore





9 January 2017

Joint News Release

Singapore to start truck platooning trials MOT and PSA tie up with Scania and Toyota

1. The Ministry of Transport (MOT) and PSA Corporation today signed agreements with two automotive companies, Scania and Toyota Tsusho, to design, develop and test-bed an autonomous truck platooning system for use on Singapore's public roads. With this, Singapore moves another step closer towards autonomous freight transport. These agreements follow from a Request for Proposals (RFP) exercise, suite to a Memorandum of Understanding (MoU) inked between MOT and PSA in October 2015 to collaborate and co-fund truck platooning projects.



Scania will design the world's first full-scale autonomous truck platooning operations, based on its own advanced technology. The platoon will traffic public roads while transporting containers between port terminals in Singapore. The aim is to organise convoys of four trucks – with the following three trucks behind the lead truck autonomously driven.



