



News Review

First Automated Truck Convoy

In Singapore container medium convoy trip on public road between the port terminals should be transported without delay. The worldwide first complete automated truck convoy movement management has been developed by Scania. The vehicular traffic in the city state consists of more or less one million autos. The traffic board of the city state wants that the further growth should stop. About twelve percent of the total surface of Singapore is already at present used for the transport infrastructure. Limited surfaces and increasing requirement in regard to the transport put forward the mobility in city state as also in other metropolies of the world to new challenges. With its progressive technological infrastructure and innovation urge, Singapore is the ideal test laboratory in order to find solutions. Autonomic vehicles and convoy journey could here be contemptuous. In a multiyear project the transport ministry of the island state wants the port authority of Singapore (PSA Corporation) the Swedish commercial vehicle manufacturer Scania and the vehicle manufacturer Toyota to develop sustainable transport system.

Singapore arranges for a long time the tested automated automobiles taxis; commercial vehicles and buses. Now the government of Singapore wants the development with the conception to go on with the automated truck-convoy. Convoy trips have already shown big potential of clear fuel saving and can take care of a higher traffic safety. The autometed convoy truck transport as

we know it, today is an extreme job of intensive branch. We always find fewer drivers. With this the technology for truck-convoy journey offers an opportunity to raise the productivity in port city as also in the truck convoy branch. It opens opportunities for the truck drivers to accept higher qualified positions as server and manager clarifies Pang Kin Keong, state secretary for transport system and chairman of autonomous road transport, Singapore.

With this background Scania likes to get next in Singapore 4 electronically one another coupled saddle tractor ply on public roads from one port terminal to another. The trucks will have ten metre gap in between by which only one man sits in the driver's cab of the first cargo truck, Scania performs pioneering work in this area. With that not only the potential to save life on the road but also to reduce the possibility the environment influence with the transport reliably, says Claes Erixon, the manager and research & development of Scania puts out the superiority of the platooning.

The testing of the truck convoy trip occurs in two phases. In the first phase the experts concentrate on the tests and improvement of the technology for convoy trips. The tests are accomplished for the time being by Scania and Toyota in the research centres in Sweden and Japan for the time being. The second phase consists of tests and the further development of technology in suburbs of Singapore.