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A new cabless concept – revealing Scania AXL

Introducing the latest member of our autonomous family: Scania AXL, a fully autonomous concept truck, without a cab.

In what is another milestone in the development of heavy self-driving vehicles, a group of Scania experts in different fields have teamed up and developed a concept truck, which, even without the cab, has the company's modular system at the heart of the design.

As different industries look to streamline transport assignments and make them more sustainable, self-driving vehicles are increasingly being considered. Mines and large closed construction sites are examples of environments that are favourable for self-driving pilots since they are well-controlled locations.

“With the Scania AXL concept truck, we are taking a significant step towards the smart transport systems of the future, where self-driving vehicles will play a natural part,” says Scania's President and CEO Henrik Henriksson. “We continue to build and pilot concepts to demonstrate what we can do with the technology that is available today.”

For autonomous vehicles, software is in many ways more important than hardware. Scania AXL is steered and monitored by an intelligent control environment. In mines, for example, the autonomous operations are facilitated by a logistics system that tells the vehicle how it should perform.

“We already have self-driving trucks in customer operations. However so far, they have been with room for a safety driver who can intervene if necessary. Scania AXL does not have a cab and that changes the game significantly,” says Claes Erixon, Head of Research and Development at Scania. “The development in self-driving vehicles has made great strides in the past years. We still don't have all the answers, but through concept vehicles like Scania AXL we break new ground and continue to learn at great speed.”

The combustion engine that powers the concept vehicle is an example of how traditional and new technology is mixed. It is advantageously powered by renewable biofuel.

The robust and powerful features and design behind Scania AXL match the tougher environments in mines and large construction sites. A new intelligent front module replaces the traditional cab, but even without a cab the concept is easily recognisable as a Scania.

The first live demo of Scania AXL will take place at TRATON GROUP's Innovation Day, October 2, at Scania's demo centre in Södertälje. For more information innovationday.traton.com/



You can find other news about autonomous transport from Scania here:
[Taking urban transport to the NXT level – a new concept from Scania](#)
[Scania and Rio Tinto trialling autonomous truck in Western Australian mine](#)
[Nobina and Scania pioneer full length autonomous buses in Sweden](#)

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Scania is a world-leading provider of transport solutions. Together with our partners and customers we are driving the shift towards a sustainable transport system. In 2018, we delivered 88,000 trucks, 8,500 buses as well as 12,800 industrial and marine engines to our customers. Net sales totalled to over SEK 137 billion, of which about 20 percent were services-related. Founded in 1891, Scania now operates in more than 100 countries and employs some 52,000 people. Research and development are concentrated in Sweden, with branches in Brazil and India. Production takes place in Europe, Latin America and Asia, with regional production centres in Africa, Asia and Eurasia. Scania is part of TRATON SE. For more information visit: www.scania.com.

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