

The Swedish Transport Administration
**A modern and efficient transport
system is sustainable**

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A modern and efficient transport system is sustainable

ACCESSIBILITY
THROUGHOUT
SWEDEN



ACCESSIBILITY
FOR ALL



RELIABILITY
AND SIMPLICITY



SAFETY



CLIMATE IMPACT



BIOLOGICAL
DIVERSITY



AIR QUALITY



NOISE LEVELS



ROAD SAFETY



ACTIVE MOBILITY



Trends in the transport system



More stringent requirements for fossil-freedom and reduced emissions



The transport system is being increasingly integrated into societal development



Increased demands for societal security and robust transport systems



An increasingly digitally based and automated transport system



Continued demands for high accessibility and good transport options

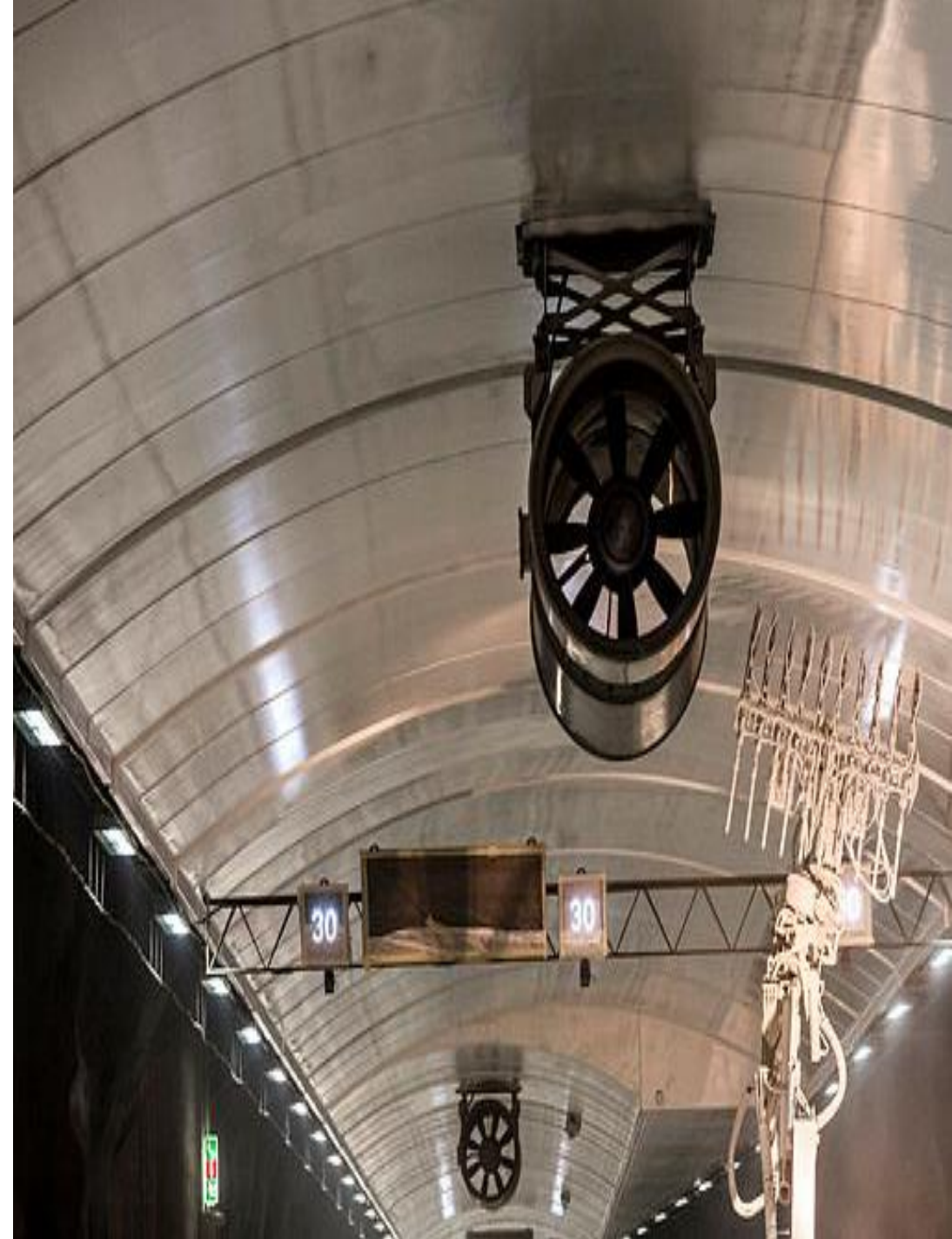
A growing population and a growing economy are driving the demand for transport

- Increase of 25–30 per cent in passenger transport person-km/year and of up to 50 per cent in respect of freight transport
- The effects of technology development and the COVID-19 pandemic are unclear
- The conclusions and recommendations in the target-oriented planning are robust in terms of uncertainties surrounding traffic development



Maintenance needs are increasing on both the roads and railways

- Even though the economic frameworks have grown in the current plan, the existing frameworks have been exceeded by the need for maintenance
- The road furniture is deteriorating in both the low-traffic and high-traffic road networks.
- This results in restrictions on carrying capacity and longer travel and transport times
- The deterioration of the railway results in an increased risk of disruptions and delays



The national freight transport strategy



Automated transport

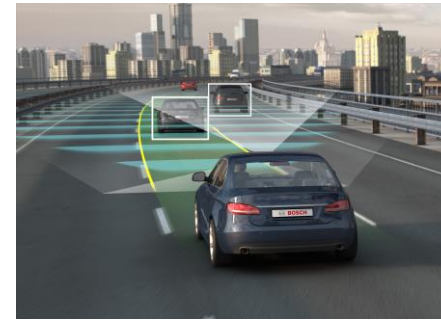
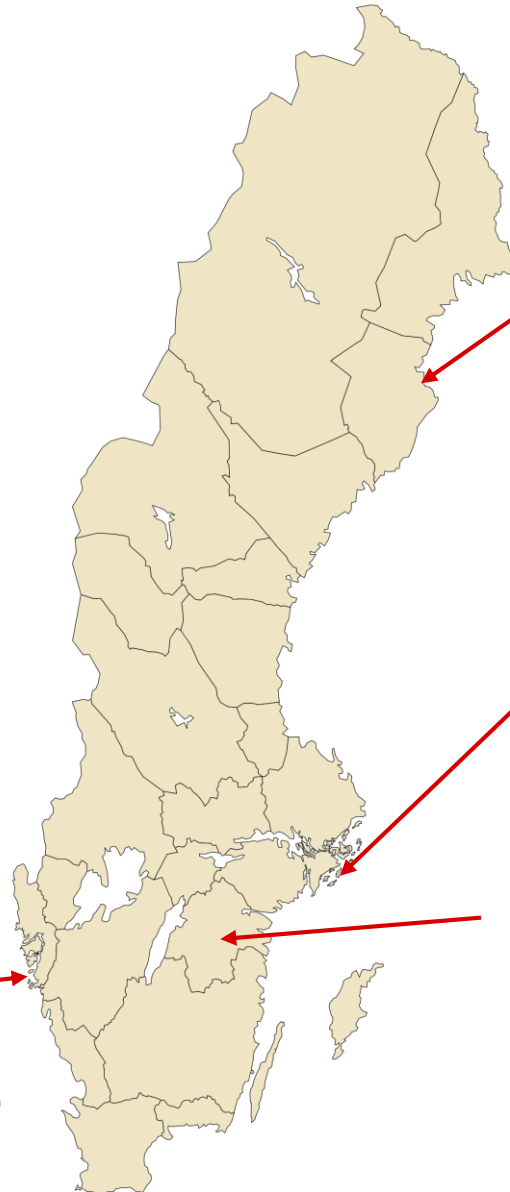
We are investigating the potential and costs in different cases

Recommendations from the EU

1. Adapting infrastructure for automated vehicles is expensive and opportunities should be identified with care.
2. The development of sensors and control systems is progressing rapidly and is difficult to predict.
3. To prioritise situations where the use of automated transport is most suited and rational.



Transport Göteborg, building knowledge



Design requirements for automated vehicles, Road 372 Skellefteå



Automated and internet-connected freight transport to/from the harbour, Road 73 Stockholm



Demonstration of exchange/transfer point for combined mobility and investigation of automated buses, Linköping

Examples of capacity-enhancing measures in northern Sweden

We are working on various measures to increase capacity and also reduce environmental impact:

- 90-tonne iron ore transport Kaunisvaara-Svappavaara, Road 395
- From 25-tonne maximum permitted axle weight (stax) to 32.5-tonne maximum permitted axle weight on the Iron Ore Line railway.
- BK4 (load class 4), 74 tonnes by road
- Iron Ore Harbour, Port of Luleå, 160,000 tonnes of load on ships



Together we will find solutions!

A close-up photograph showing several hands of different people working together to assemble a puzzle. The puzzle pieces are in various colors: orange, white, green, and red. The hands are positioned around the pieces, with some fingers pointing to specific areas, suggesting a collaborative effort. The background is blurred, showing what appears to be an office or meeting environment with people in business attire.