

# Innovation



**TRAFIKVERKET**  
SWEDISH TRANSPORT ADMINISTRATION



Hamid Zarghampour  
Chief Strategist  
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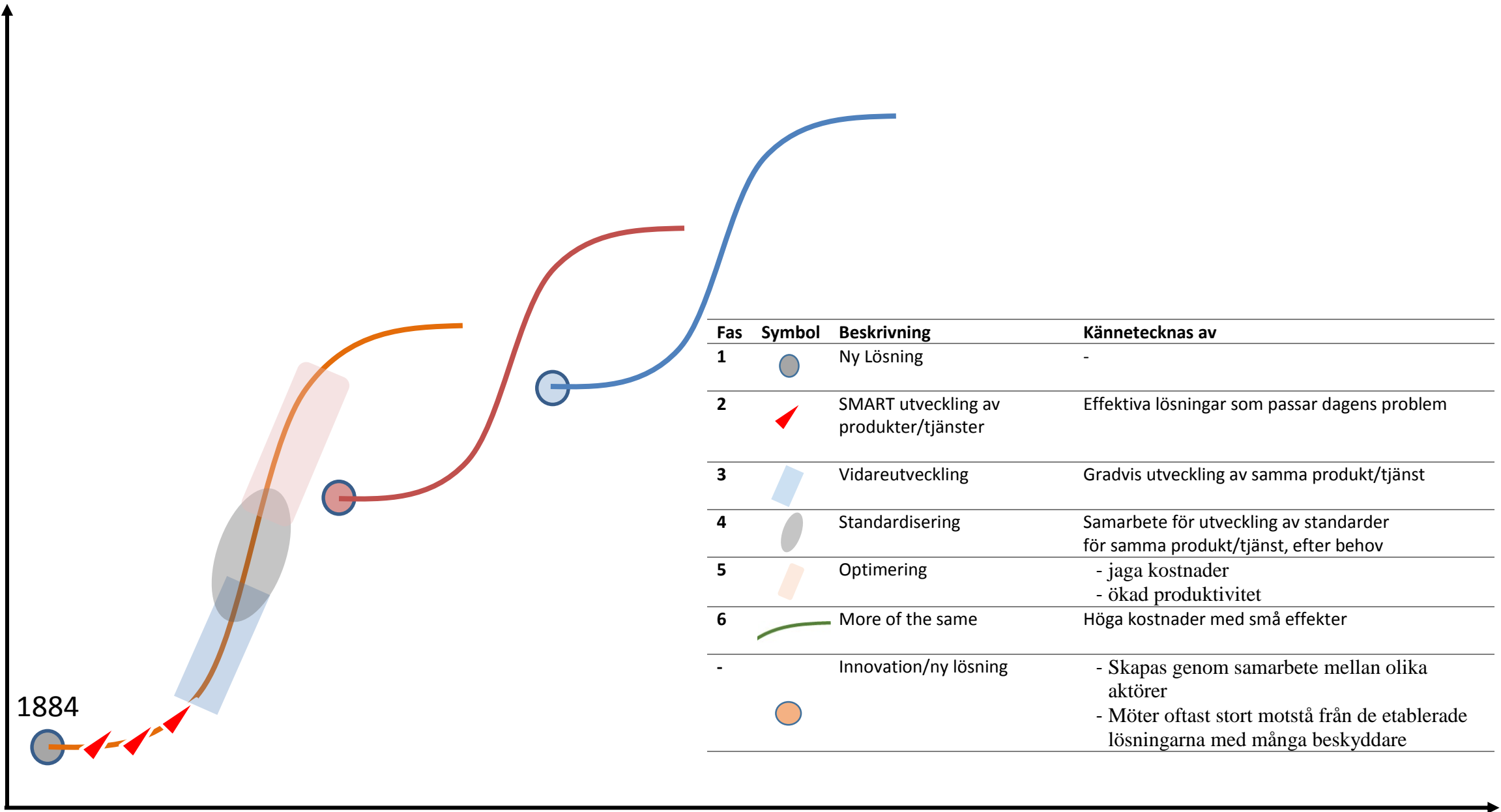
# Program

## Innovation

*Strategy, eco-system, policy & structure, leadership*







Fas	Symbol	Beskrivning	Kännetecknas av
1	●	Ny Lösning	-
2	▲	SMART utveckling av produkter/tjänster	Effektiva lösningar som passar dagens problem
3	▭	Vidareutveckling	Gradvis utveckling av samma produkt/tjänst
4	●	Standardisering	Samarbete för utveckling av standarder för samma produkt/tjänst, efter behov
5	▭	Optimering	- jaga kostnader - ökad produktivitet
6	~	More of the same	Höga kostnader med små effekter
-	●	Innovation/ny lösning	- Skapas genom samarbete mellan olika aktörer - Möter oftast stort motstånd från de etablerade lösningarna med många beskyddare





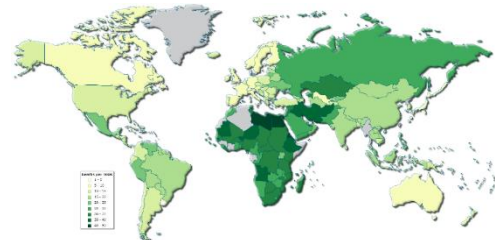


# Why innovation?

*The road transport system is an open and complex system that is killing many people*



- 1.25 Million Globally
- EU – 25 500
- USA – 40 000



Source: Index Mundi



Zero fatalities and severe injuries is the target



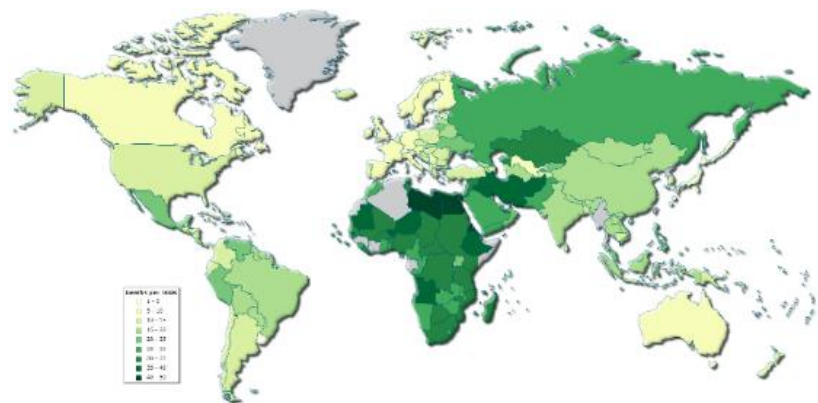
# What do we have?



# Global megatrends

- ✓ Ageing population
- ✓ Urbanization
- ✓ Digitalization
- ✓ Augmented reality
- ✓ Virtual reality
- ✓ Artificial Intelligence
- ✓ Electrification
- ✓ Shared economy

*Liveable cities*



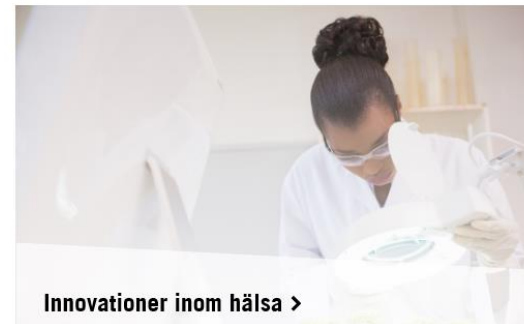
# Trafikverket's prioritised areas for innovation

- Transformation to a climate adapted and fossil free transport system
- A robust and safe infrastructure in the digitalized society
- An efficient and linked transport system for citizens and the business community
- An equal and inclusive transport system



# Strategic Innovation Platform (Vinnova)

- ✓ *Innovation occurs in interaction between people from various field and organizations*
- ✓ Trafikverket is actively participating to:
  - #SIP: Smart Cities
  - #SIP: Drive Sweden
  - #SIP: InfraSweden



# Drive Sweden; a platform for creating the future road transports

The image displays a collection of partner logos for Drive Sweden, arranged in several groups:

- Government and Academic Institutions:** TRAFIKVERKET, TRANSPORT STYRELSEN, KTH (Kungliga Tekniska Högskolan), vti (Vägar och Transporter), CHALMERS, I.U. (Linköpings Universitet), RISE (RISE Research Institute of Sweden), HÖGSKOLAN I HALMSTAD.
- Automotive Manufacturers:** VOLVO, SCANIA, SAAB, LOCAL MOTORS, HERTZ.
- Technology and Consulting:** NAVYO, IBM, AUTOLIV, ERICSSON, RIDECELL, BESTMILE, MINDCONNECT, UNIQE, VERIDICT, CARMENTA, TELE2, TELIA, NORCONSULT, WSP, ATKINS, SWECO, CH2M.
- Research and Innovation Centers:** ASTAZERO (ACTIVE SAFETY TEST AREA), ICE MAKERS (True testing since 1973), SUSTAINABLE INNOVATION, FORUM FOR TRANSPORT INNOVATION, GOOGOL, LINDHOLMEN SCIENCE PARK.
- Other Partners:** GÖTEBORGS STAD, STOCKHOLMS STAD, KISTA SCIENCE CITY, SAMTRAFIKEN, CABONLINE, UBI GO, UBER, AUTONOMOUS MOBILITY, TRANSDEV, POSTNORD.

<https://www.drivesweden.net/en/partners>



# InfraSweden 2030

- ✓ Aim to create cross-border cooperation to develop the Future transport infrastructure.
- ✓ The platform funds projects that develop ideas and plans for how to build and maintain the future transport infrastructure in a smarter and more sustainable manner



# InfraSweden 2030...

## Focus Areas

- ✓ **Climate- Neutral Infrastructure:**
  - Energy recovery from infrastructure
  - Electrified roads
- ✓ **An integrated transport infrastructure**
  - solutions for the development of sustainable urban transport infrastructure
  - Utilization of traffic information for emergency management
- ✓ **Construction method and techniques**
  - High tech materials
- ✓ **Increased Productivity**
  - Procurement for increased productivity
  - Developing new set of business models for increased productivity
- ✓ **Condition assessment and maintenance methods**
  - IT-based maintenance methods
  - New tools and models for condition survey



Thank you

