

National Growth Programme for the Transport Sector in Finland

**A cross-sectoral approach to benefit from the
digitalization and data**

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Ministry of Economic Affairs
and Employment of Finland

FI context for transport sector innovation



- **Well-known trends and drivers: digitalization, disruptive technologies, servitization, automation, sustainability needs, more focus on customers**
- **The ongoing relevant work in Finland**
 - Government Spearhead project on growth environment for digital business
 - AI programme (mid-term report published fall 2017)
 - Platform Economy Roadmap (published fall 2017)
 - Growth Agenda identifying actions for economy renewal and high value added business
- **In the Research and Innovation Council vision 2030, a key objective is to develop conditions for future growth and renewal**
 - In the long term: target is to have several business-led growth ecosystems (worth in bn euros) providing competitive solutions for global needs
- **Legislation as the key enabler: new Act on Transport Services**
 - Focus on data (open APIs), increasing competition and removing barriers for new market entrants

Transport sector market: Broad-based disruptive growth



Total market...

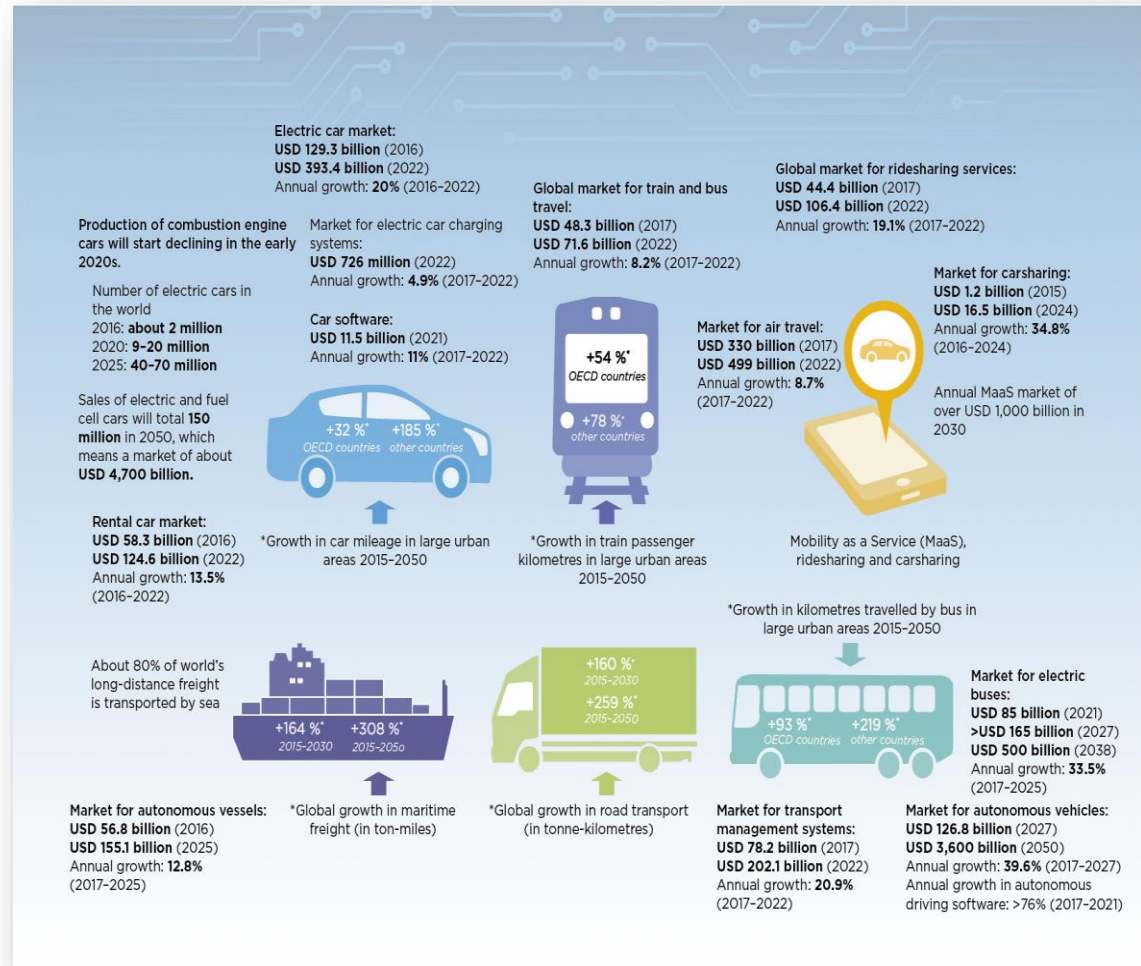
- Finland EUR 30 billion
- Global EUR 6,400 billion

Growing areas...

- Software (~75%)
- Electric buses (~35%)
- Shared services (~35%)
- Transport management (~20%)

In digital transition...

- Users of transport services
- Drivers
- Vehicles



Transport sector Vision 2030 and Key Objectives



In 2030, the services provided by the transport sector will be...

- **emissions-free**
- **safe**
- **highly automated**
- **smooth, seamlessly organised, and**
- **customer-driven**

1. Growth sector with a large number of business-driven ecosystems aiming at international growth
2. Source and user of broad-based high-quality research and innovations
3. Bold pioneer of user-driven piloting of new technologies and services
4. Attractive sector for investors and for actors seeking transport sector test and piloting platforms
5. Dynamic operating environment for transport sector start-ups and a reliable partner for established companies
6. Active application platform for new technologies (e.g. blockchains, AI, big data)
7. Globally recognised leader in intelligent and sustainable mobility and innovative solutions

National Growth Programme for the Transport Sector 2018–2022: Nine themes, more than 30 measures



1. The renewal process will be based on a common vision and enabling legislation
2. Cities will serve as a platform for pioneer markets
3. Digital data will be put into effective use
4. Achieving a competitive edge through research and education
5. Leverage for development through a broad funding base
6. Top development results through testing
7. Market references and scalability through public contracts
8. Opening up internationalisation opportunities for all companies
9. Turning business-driven growth ecosystems into export growth engines



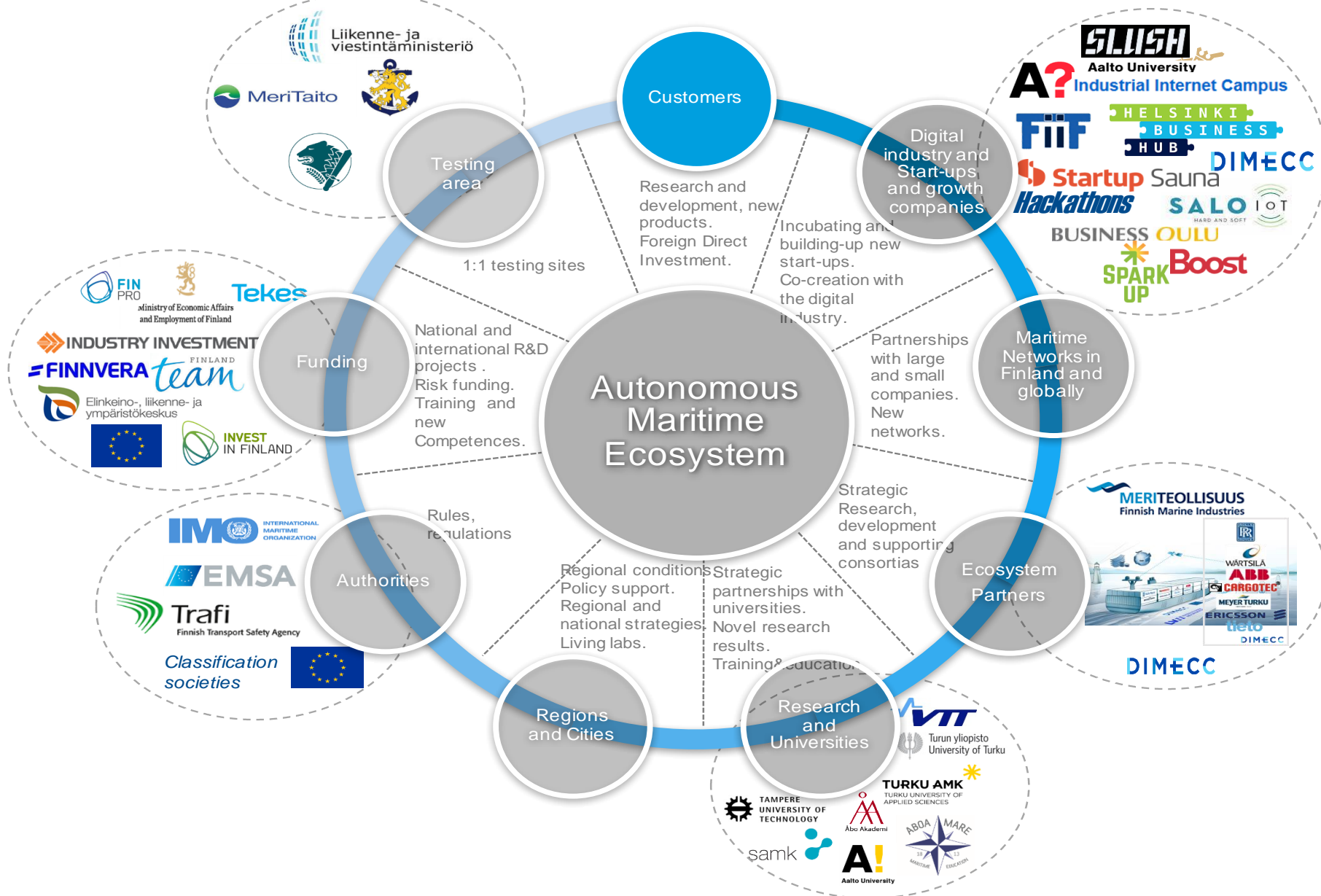


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<https://tem.fi/en/transport-sector-growth-programme>

Example: Autonomous Maritime Ecosystem





Thank you!

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