



Väylävirasto
Trafikledsverket

Finnish Transport Infrastructure Agency News in Autumn 2022

23.6.2022



Ministry for Traffic and
Communication



Finnish Transport
Infrastructure Agency

Planning, development
and maintenance of
state infrastructure
network

Operational responsibility for
implementing the objectives
for route maintenance in the
national transport system



Services

Fintraffic Road
(road traffic control)

Fintraffic VTS
(maritime traffic control)

Fintraffic Railway
(rail traffic control)

Fintraffic ANS
(air Navigation Services)



Official regulatory,
licensing, registration
and supervision duties

Assisting the Ministry of
Transport and
Communications with the
coordination of the
objectives for the
national transport system



Centre for Economic Development,
Transport and the Environment

Arterial road design, maintenance and development.
National transport system policies are agreed upon as
per the requirements of the regional transport system.

FTIA 2022



General Director

Legal Affairs and HR

Human Resources Unit
Legal Unit



Director for Procurement



Public Relations and Communications

Communications Unit



Operations Management

Strategy and operational planning

Operational planning, property management and coordination tasks
Customer relations

Finance Department

Division controller tasks
Finance Services Unit
Project Controller Unit

Safety and management system

Deputy Director

ELY Centre steering
Director, Railway
Director, Road
Director, Waterways



Transport network planning

Transport and Land Use

Deputy Director

Infrastructure planning

Deputy Director,
Steering of planning

Deputy Director,
railway planning



Projects

Project management

Deputy Director

Project implementation - Pasila

Deputy Director

Project implementation - regions

Deputy Director



Infrastructure management

Maintenance Department

Maintenance Management and Development Unit
Fairway Unit
Inland Waterway Unit
Track Maintenance Unit
Unit for Infrastructure Management's Centralised Tasks

Technology and the Environment Department

Track and Rolling Stock Technology Unit
Environment Unit
Bridge and Tunnel Structure Unit
Road and Geotechnical Unit



Infrastructure access and information

Infrastructure Access Department

Deputy Director,
procurement of traffic control

Data Department

Deputy Director
Infrastructure Data Management Unit
Data Management Development Unit
Document Management Unit
IT Unit

Maritime Transport Unit



Infrastructure provides a platform for growth



Infrastructure assets

20

billion €



Current spending on
ongoing projects

1,1

billion €



Maintenance backlog
of traffic network

2,9

billion €



Annual budget
approximately

2,1

billion €



FTIA personnel,
permanent

478

experts

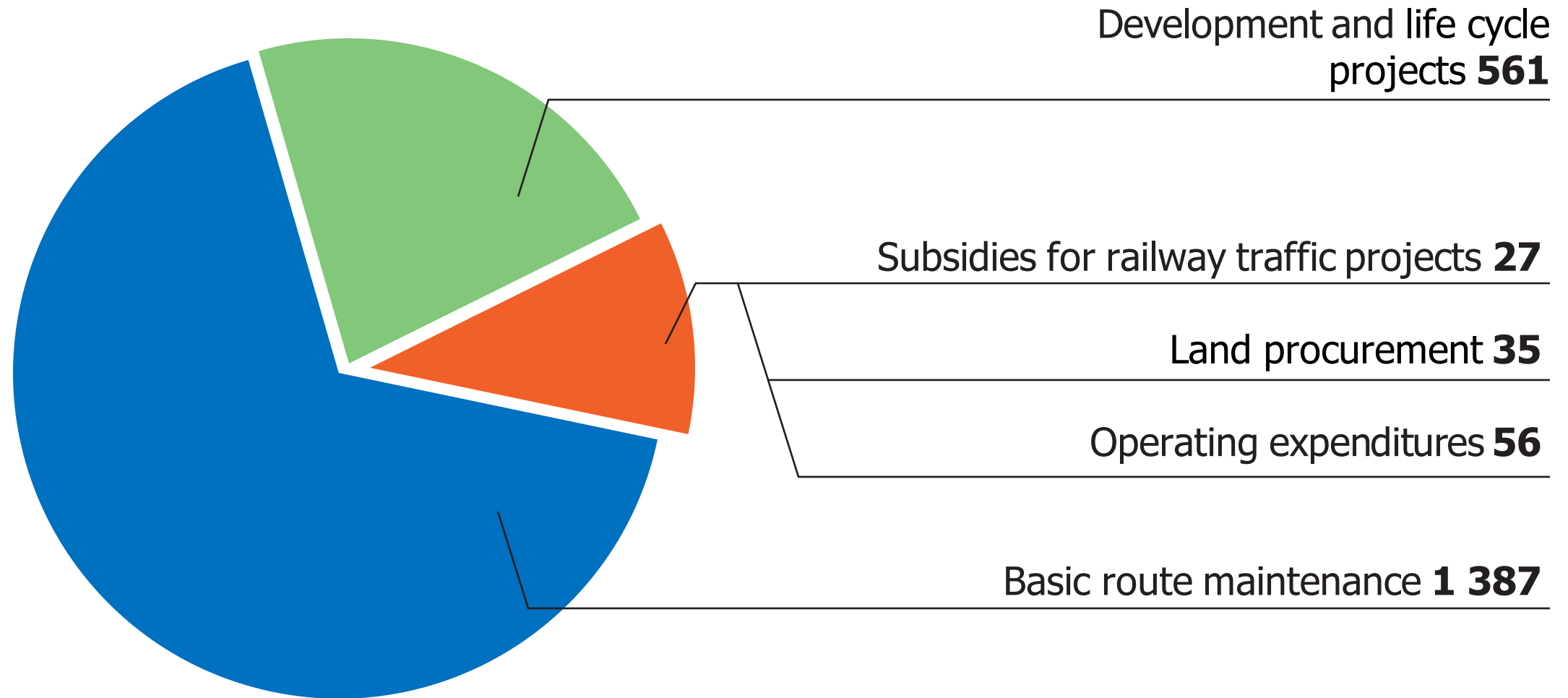


Number of people the
FTIA employs indirectly
through projects

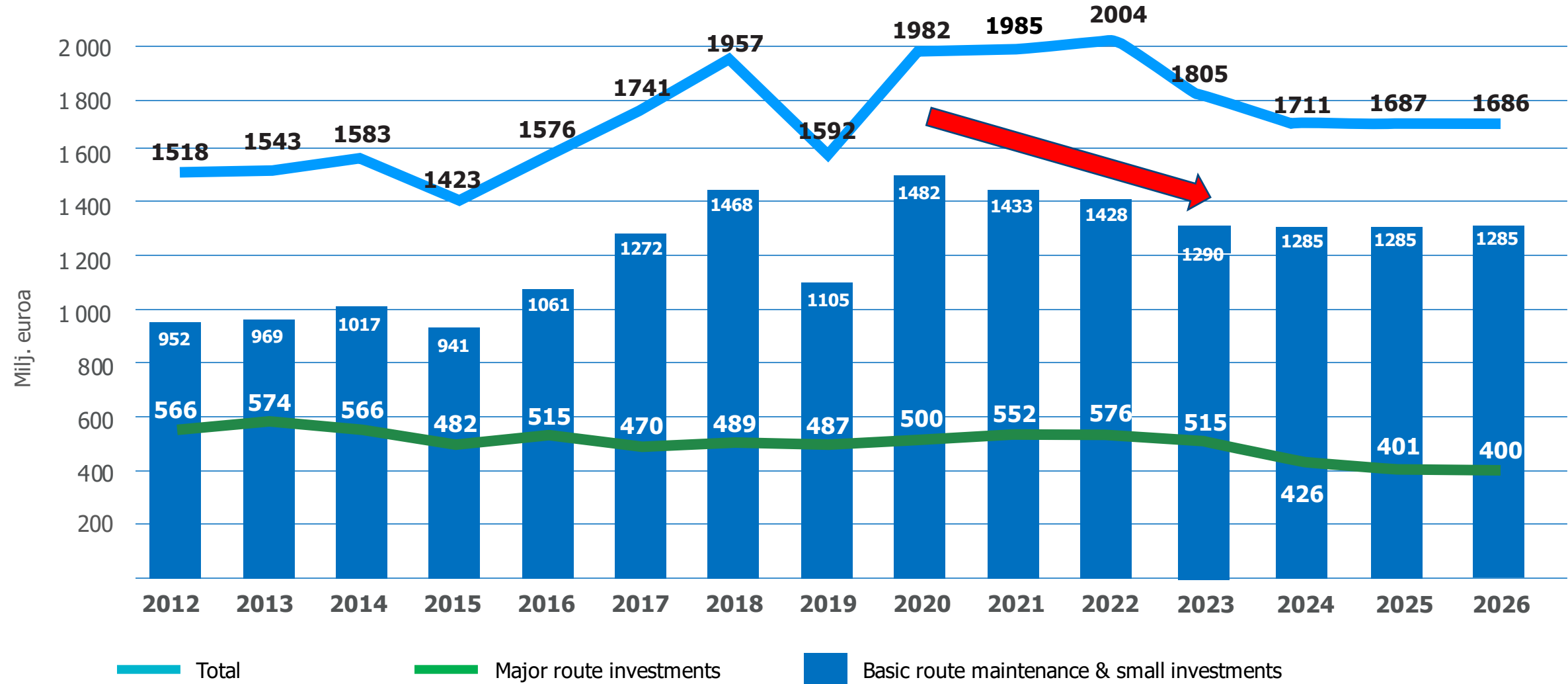
17 000

Budget appropriations 2022

2 066 million euros



State funding for transport routes (road, rail, and waterways)



Transport 12 plan

- The National Transport System Plan (Traffic 12) is an idea of how the Finnish transport system will be developed over the next 12 years.
- The Transport 12 plan is based on the Act on the Transport System and Highways.
- The plan represents a long-term approach to the development of the transport system.
- The plan contains an infrastructure implementation programme, which is prepared by the FTIA
- The programme includes state and municipal transport infrastructure projects as well as a state funding programme for the transport system.



Accessibility

The transport system will ensure access to the whole of Finland and will respond to the needs of businesses, working life and housing.



Sustainability

Opportunities to choose more sustainable modes of mobility will improve, particularly in urban areas.



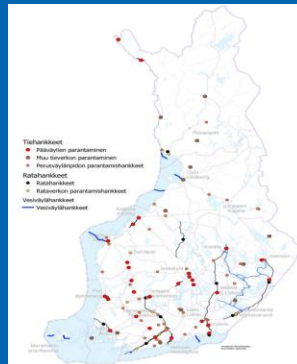
Efficiency

The socio-economic efficiency of the transport system will improve.

National Transport System Plan (Transport 12)

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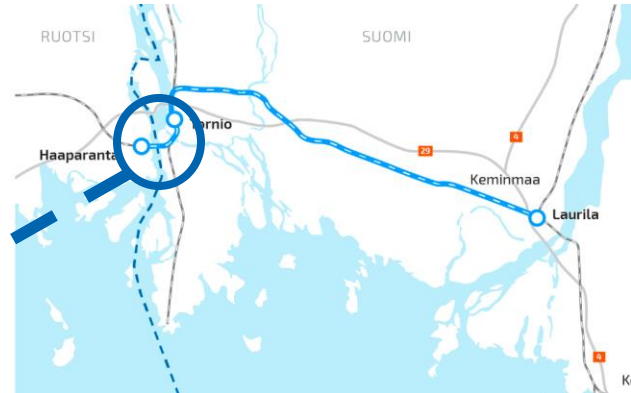
FTIA's Investment program



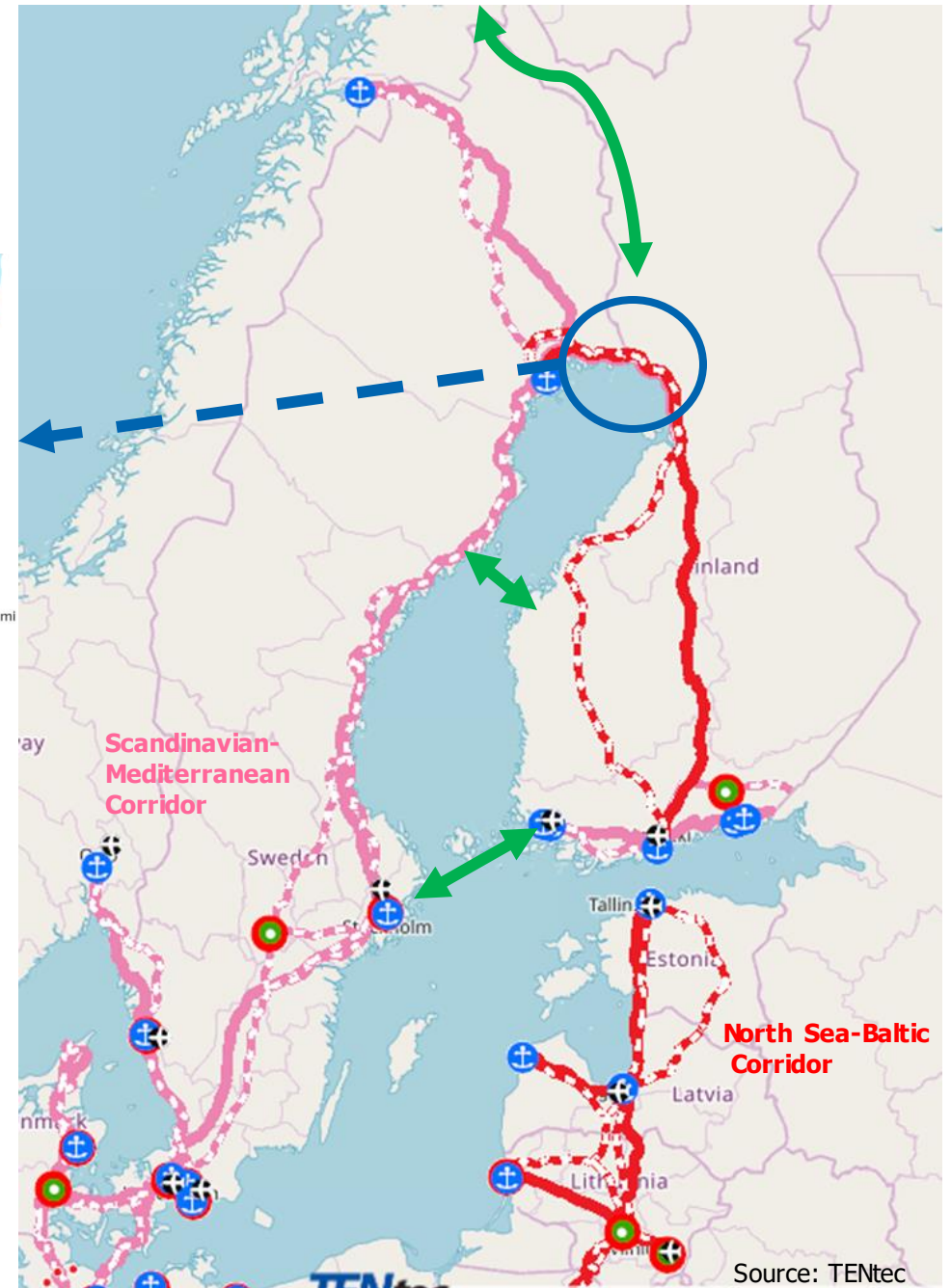
- The first plan (2021-2032) was published in April 2021
 - Preliminary preparations for the revision (2025-2036) will begin 2022
 - Actual preparation guided by a new parliamentary steering group after Parliament election in the spring 2023.
-
- **Is prepared** as part of Transport 12 implementation and according to its financial framework.
 - **Prioritizes** the most important transport infrastructure projects for the near future (8 years period)
 - **Guides** FTIA's proposals for the government budget (the Parliament makes final decisions)
 - **The first Investment Program** (2022-2029) was published in January 2022.
 - **The newest, the second program** (2023-2030), was published in June 2022.
 - **Will be updated** annually and after Transport 12 revisions.

Extension of the NSB Corridor

Extension of the North Sea – Baltic Corridor together with Scandinavian-Mediterranean Corridor will bring the European transport network to the Arctic areas



Different track width
FIN - SWE (Europe)



Project information



- The Laurila–Tornio–Haaparanta rail section will be electrified
 - 22 km Finnish side
 - 1 km Swedish side
- Torneå river bridge will be widened because of the electrification
- Haparanta's passenger platform at the Finnish tracks will be rebuilt
- Tornio's rail yard and passenger platform will be updated
- Planning phase 2022-23
- Construction phase 2023-24
- Costs: Finland 20 M€ - Sweden 4–7 M€
- The project has websites in Finnish and Swedish.

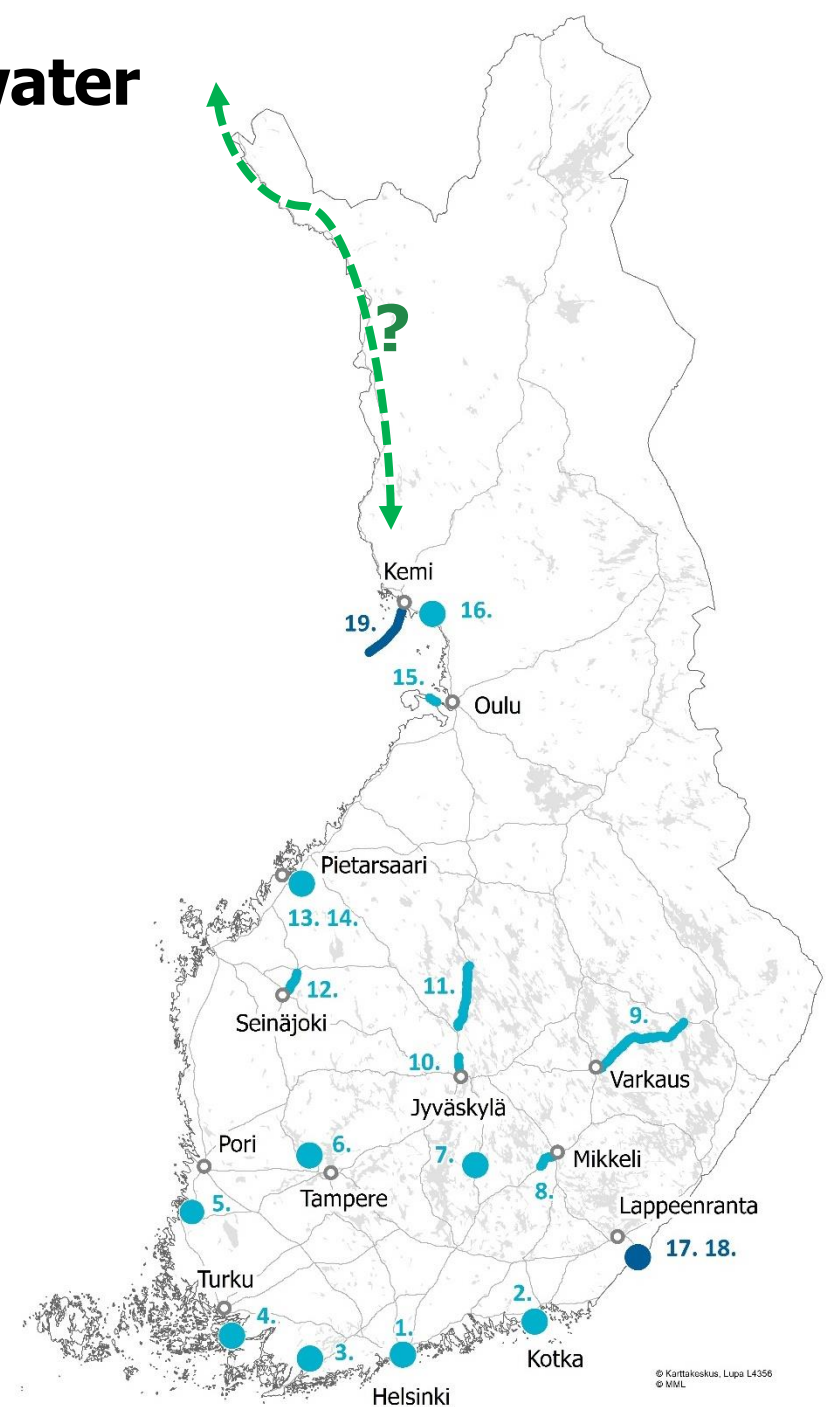
Ongoing investment projects 2022, road and water (development items)

Road projects

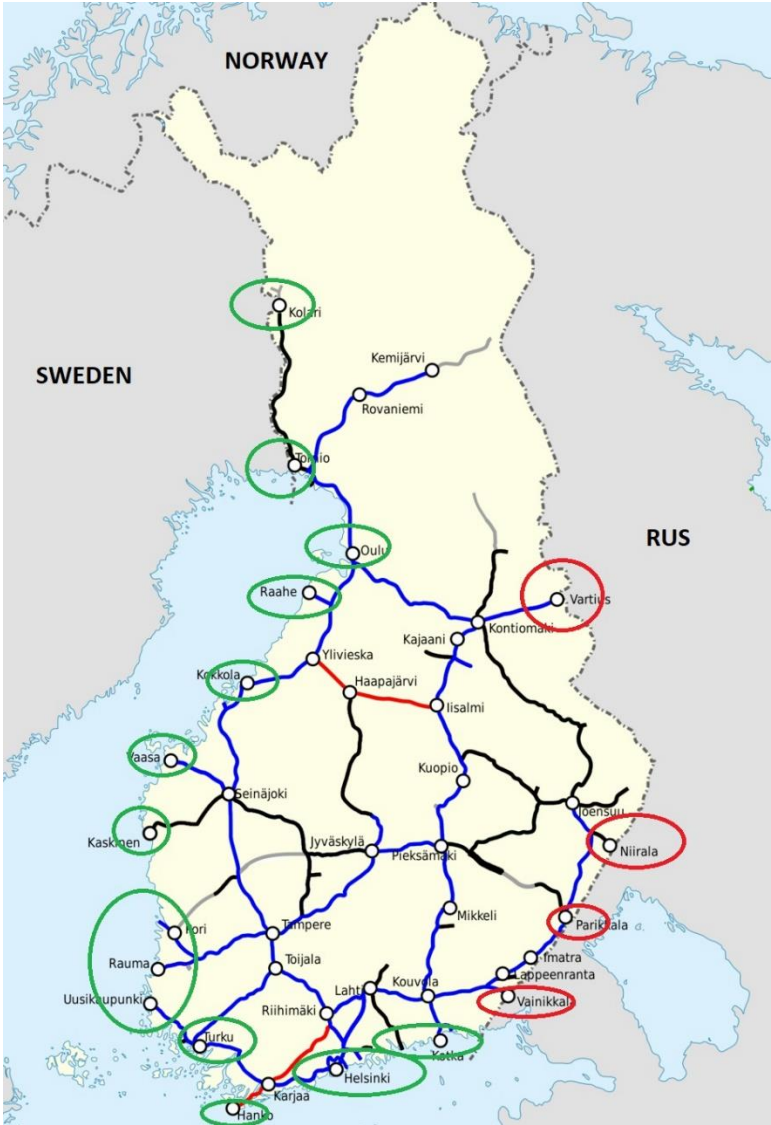
1. E18 trunk road 50, improvement of Ring Road III, Phase 3, at Askisto and Vantaankoski-Pakkala additional lanes
2. Main road 15, construction of Paimenportti interchange
3. Main road 25 Leppi intersection underpass
4. Road 180 Renovation of bridges in Kirjalansalmi and Hessundinsalmi
5. Main road 8 Turku-Pori, improvements at Eurajoki
6. Main road 3 Hämeenkyrö bypass
7. Main road 4 improvements between Hartola-Oravakivensalmi
8. Main road 5 development of Hurus-Hietanen road section
9. Main road 23 improvements between Varkaus-Viinijärvi
10. Main road 4 Kirri-Tikkakoski
11. Main road 4 development of Hurus-Hietanen road section
12. Main road 19 Seinäjoki-Lapua, Phase 1
13. Main road 68 Edsevö interchange improvement
14. Main road 68, improvement by constructing a new Kolppi overpass V-1879, Pedersöre
15. Hailuoto fixed link
16. Main road 4 Oulu-Kemi, intersection improvements at Simo

Waterway projects

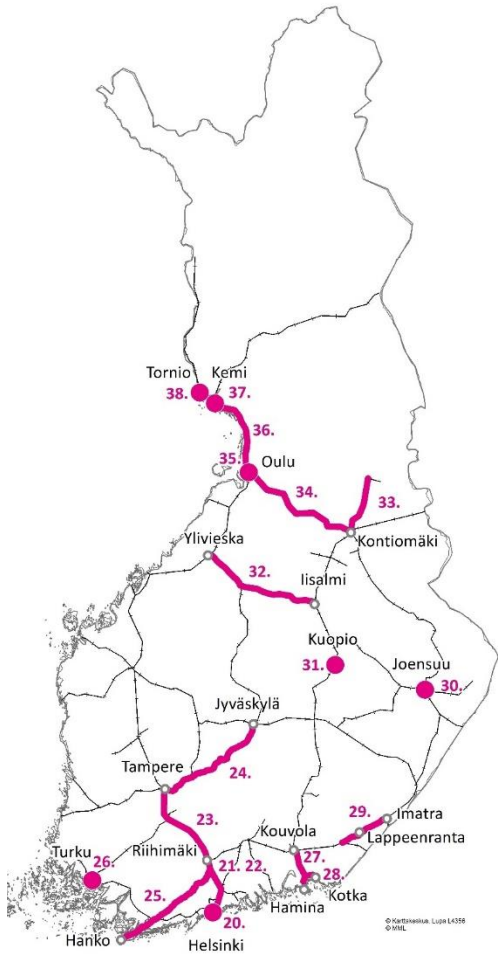
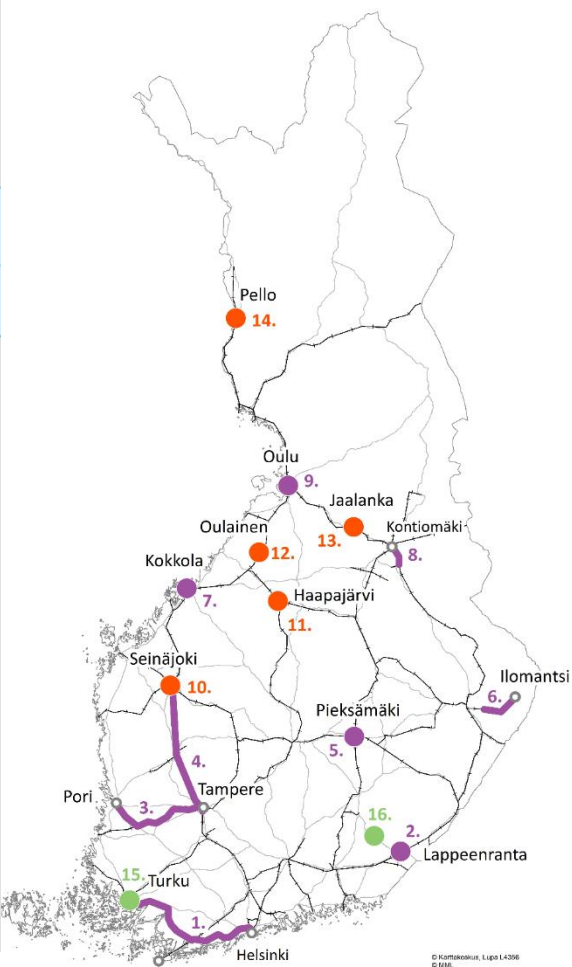
17. Raising the water level in the Saimaa Canal
18. Extension of locks on the Saimaa Canal
19. Deepening the Kemi Ajos fairway



Railway border stations / Ports



Railway projects: plans / under preparation or under construction

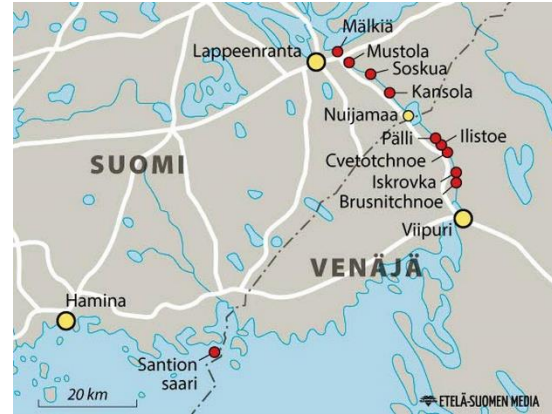


Saimaa Canal, 95 million renovation budget was aborted and transferred to Carelia Railway, when Russia started a war in Ukraine

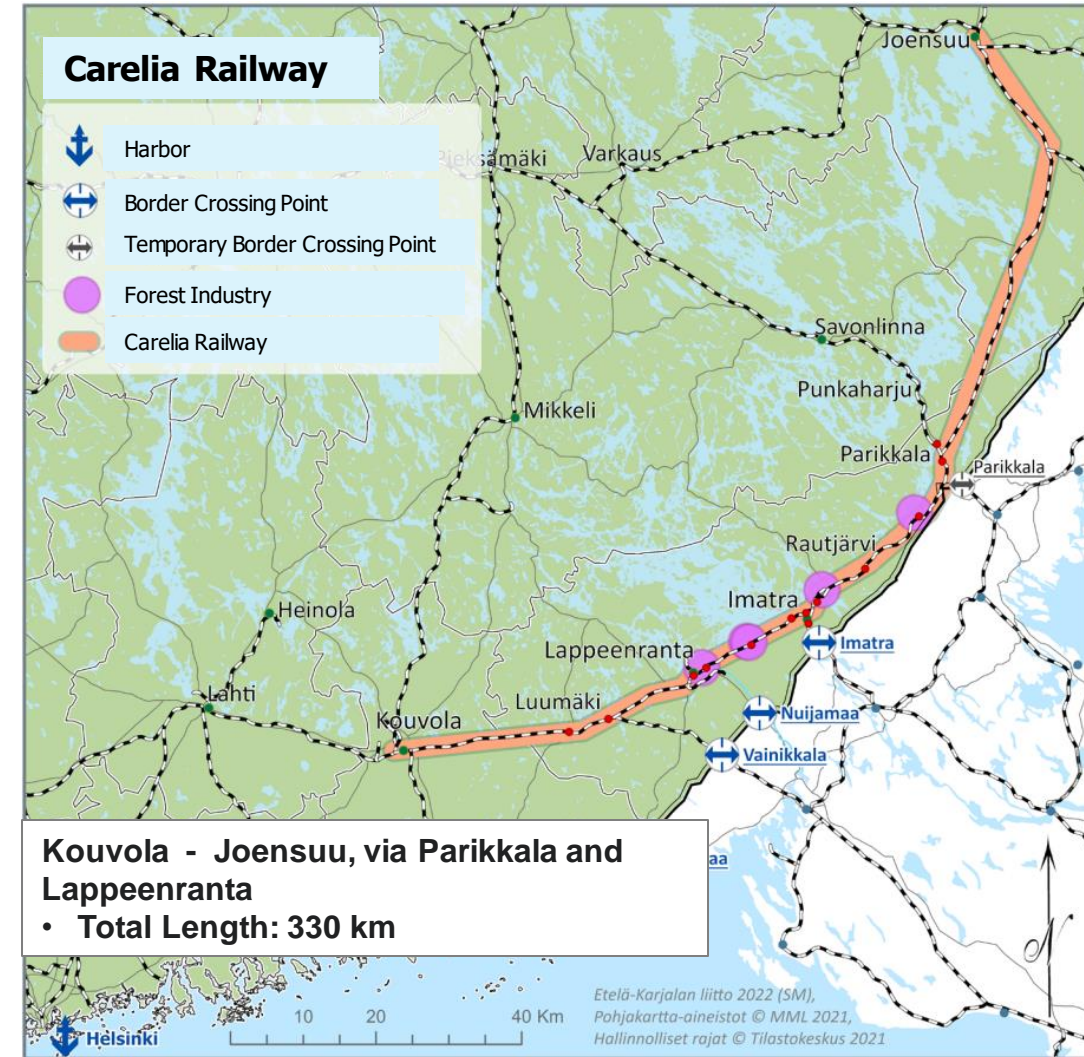


Canal from Lappeenranta to Gulf of Finland, thru Russian territory

- Total Length: 42.9 km
- Finnish part: 23.3 km (3 locks)
- Russian part: 19.6 km (5 locks)

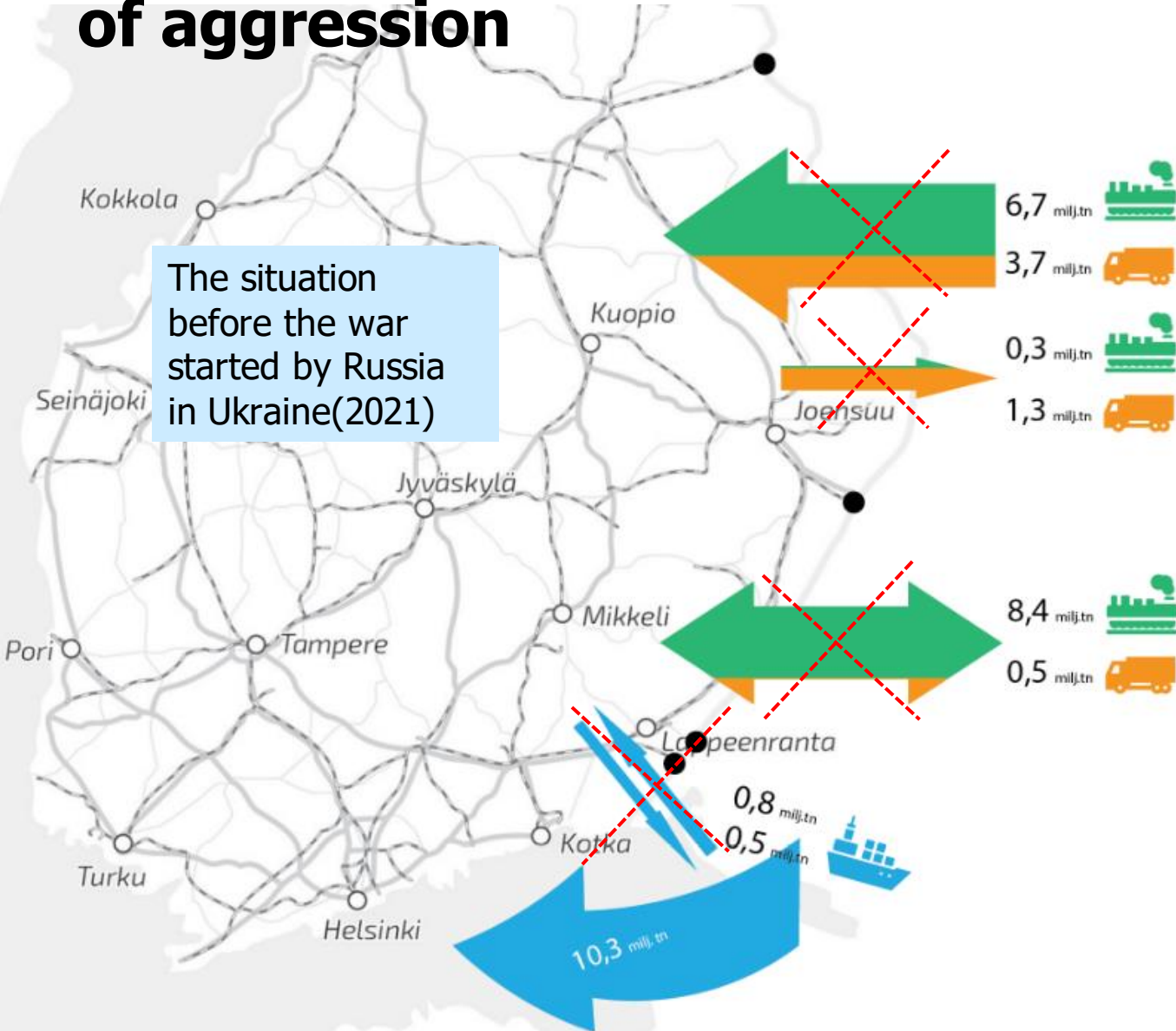


5 locks in the territory of
Russia – leased to Finland
for 50 years until 2062, with
a rent of €1.2 million



The logistic flows are changing as a result of the Russian war of aggression

The situation before the war started by Russia in Ukraine(2021)



Changes:

- imports, exports and transit through Russian decreased
- There is no more traffic in the Saimaa canal
 - 1,3 tons must find new route
- VR (major rail operator) will terminate the Eastern freight transport contracts by the end of 2022 – smaller operator starts
- wood and chemicals may be transported with Russian GOST -wagons in internal transport in Finland
- changes in maritime transport reflect global maritime logistics flows?

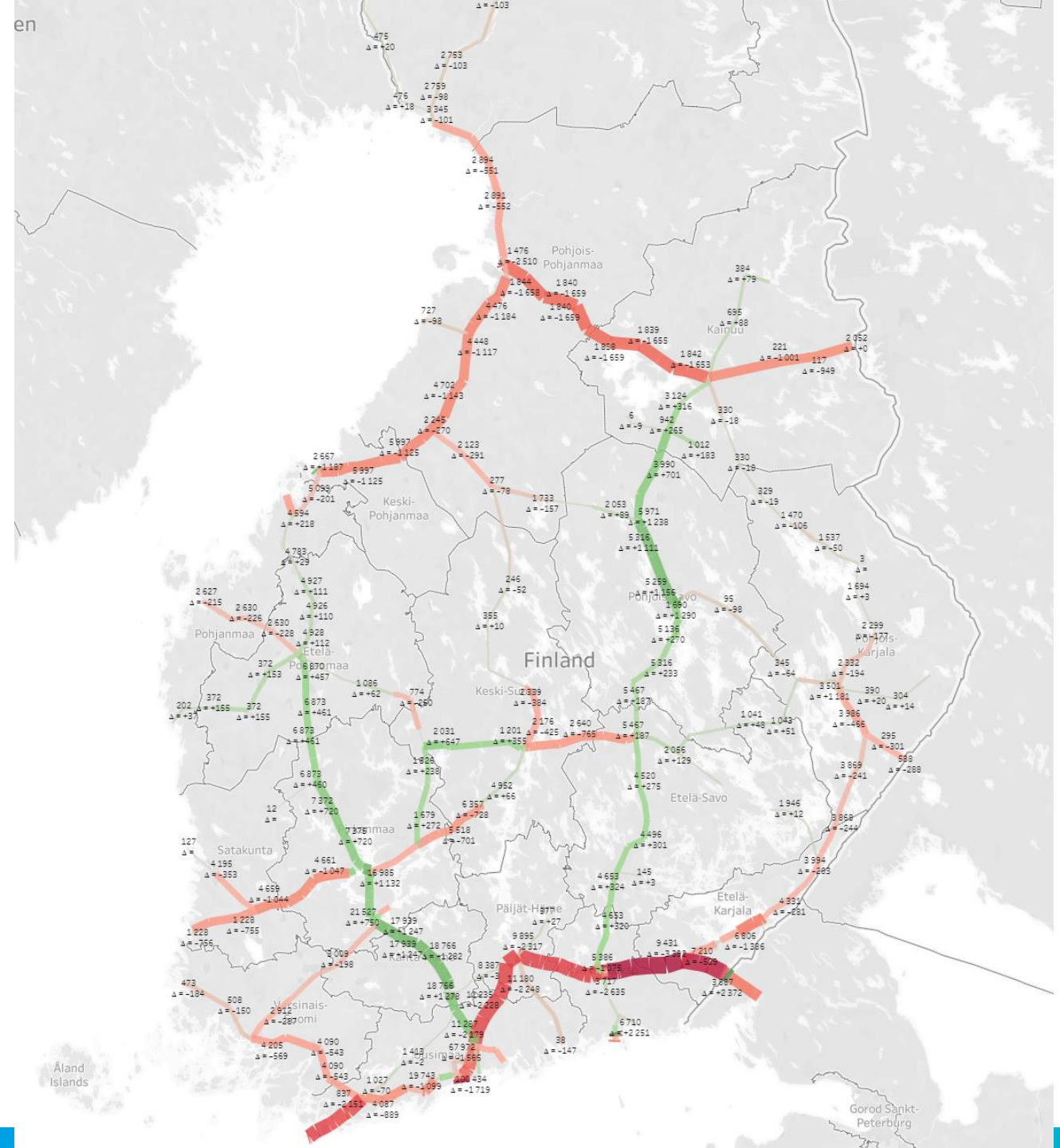


Change in the number of trains by track sections

- **Green = Increase**
- **Red = Decrease**

East – west transit -traffic

North – south intern traffic

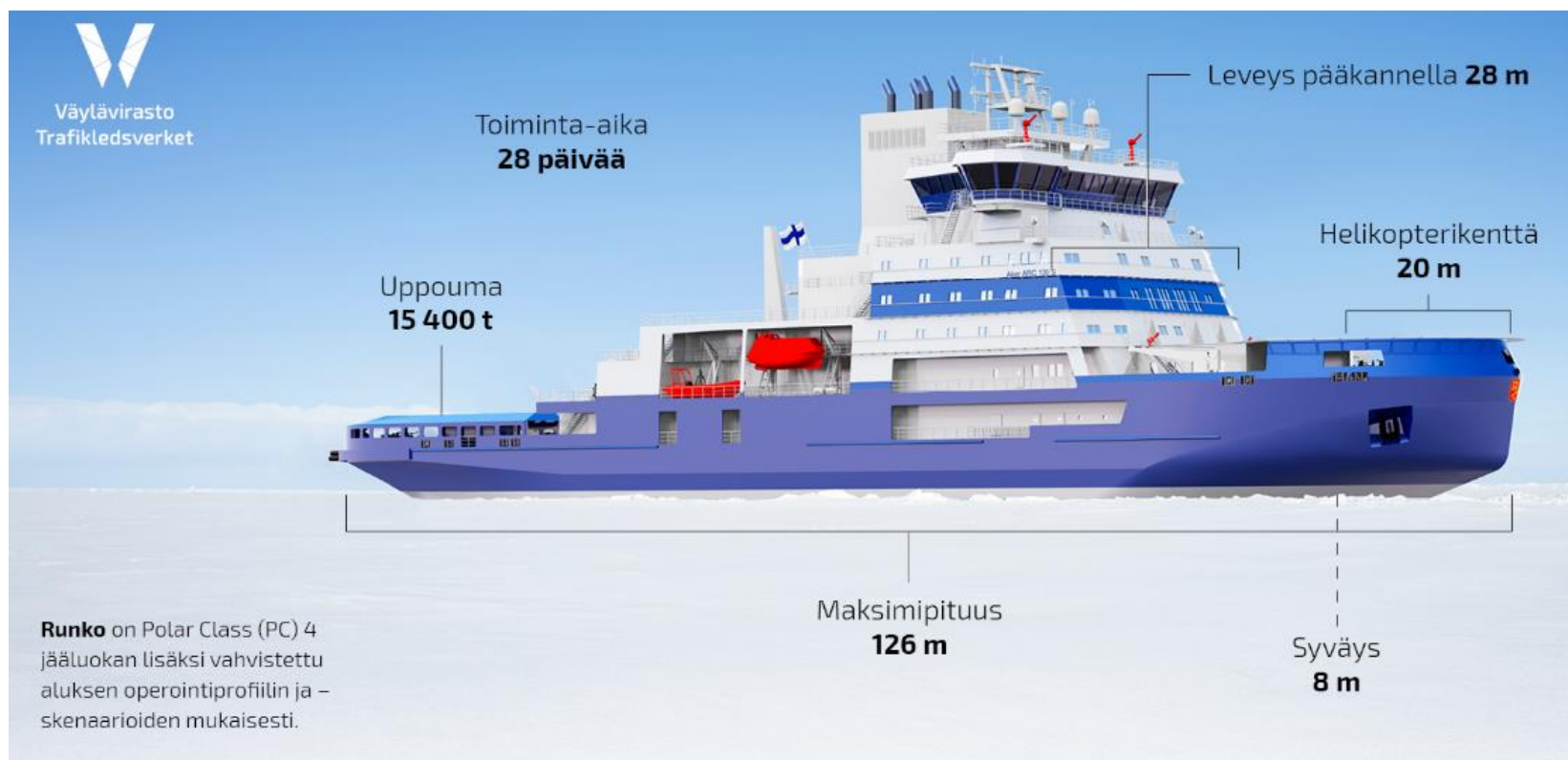


Joint Icebreaking

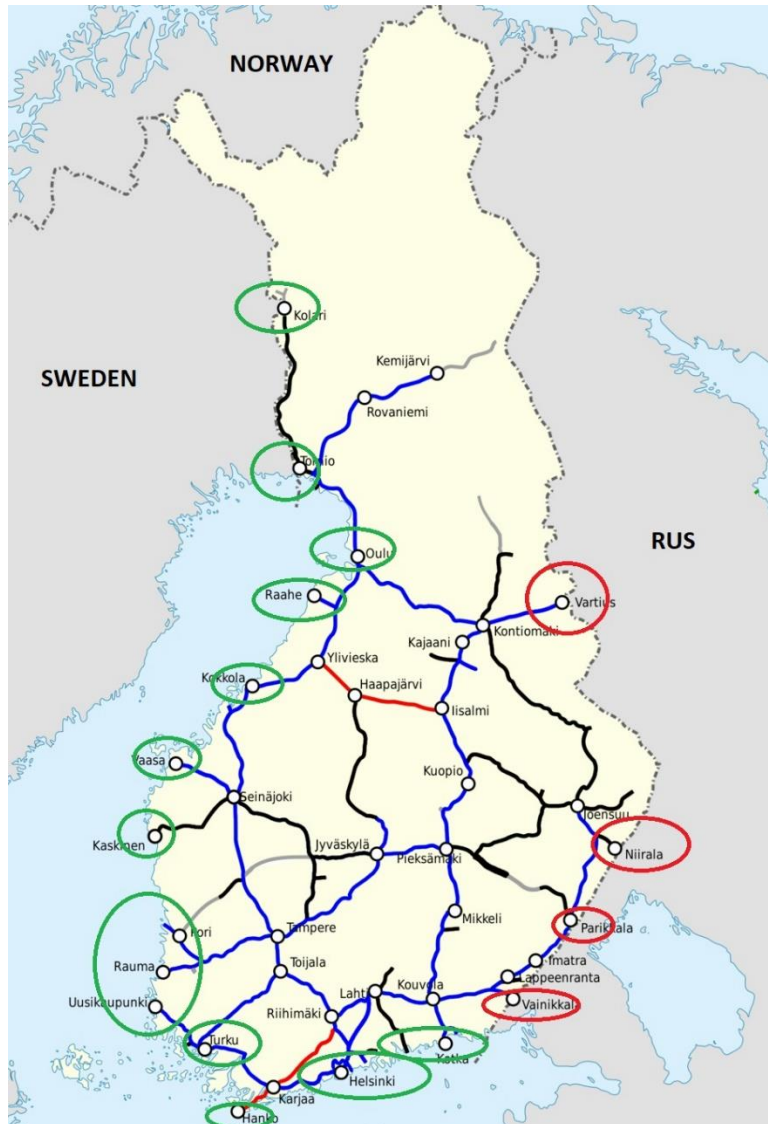
The plan for the next generation icebreaker, jointly procured by the Finnish Transport Agency & and the Swedish Maritime Administration, is ready

The new generation of icebreakers can break a bed up to 32 meters wide and they are designed to use fossil-free fuels, which help to reduce emissions.

The decision on construction is still pending.



Logistic and Logistic Chain changes



- The transport capacity and rotation of railway carriages have been adjusted based on the transport flows
- Investment and planning needs are prioritized by the traffic volumes of different types of transport networks
- Big Questions are:
 - How to take into account the needs of the transport network in the short and long term?
 - How to avoid targeting investments to other than the most necessary and profitable targets?
- One detail: We still have approx. 800 railway carriages under sanctions in Finland, of which the carriages for transport of dangerous goods (VAK) are 220. Big challenge are leaking ammonia train cars. They should be returned to Russia - negotiations are ongoing.

Effects on ongoing, planned and future projects

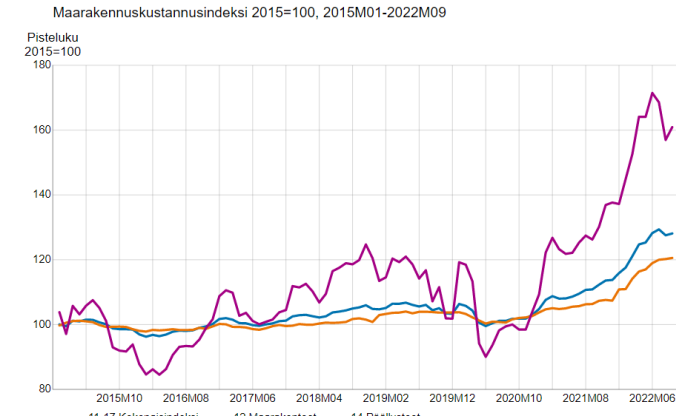
- Costs are tied to indexes when it makes sense (future projects)
- Calculation of cost estimates in a new risk situation (future projects)
- Living with the agreements and general terms and conditions (ongoing)

How to measure the cost increase provision correctly

- How to predict future cost provisions (~ 10% → ?)
- Over-budgeting does not solve the problem, because over-budgeting ties up funds and reduces the space for flexible programming & operation
- Over-budgeting itself increases costs – higher tenders (???)

How to prioritize

- How to take into account the needs of the transport network in the short and long term?
- How to avoid targeting investments to other than the most necessary and profitable targets?



Earth works M-index in August 2022 = 131,2

- Monthly change **-2 %** (133,5)
- Annual Change **+18 %** (111,1)

Bridge works S-index in August 2022 = 131,6

- Monthly change **-1 %** (133,2)
- Annual Change **+13 %** (116,1)

Bitumen-index in August 2022 = 208,8

- Monthly change **-13 %** (239,1)
- Annual Change **+36 %** (153,4)

Metallproducts index

In August 2022 = 180,3

- Monthly change **+1 %** (179,1)
- Annual Change **+26 %** (143,4)



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