

Digirail in the Heart of Digitalization of Railways in Finland

Overview of what's happening in Finland at Rail

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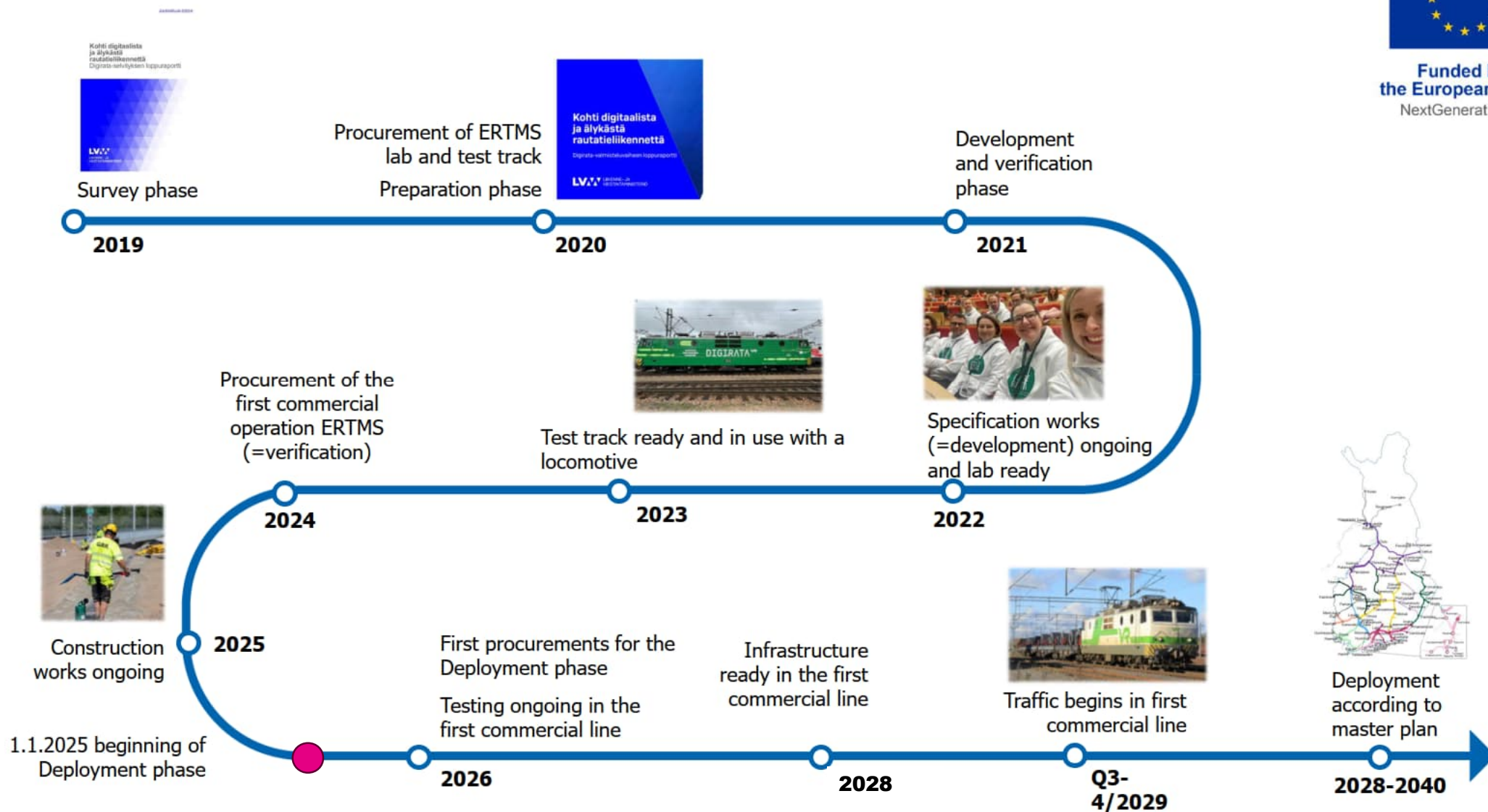
What is Digirail?

- Digirail is a must make investment to replace the end of its lifecycle Class B ATP in Finland including all signalling systems.
- Digirail pushes for a more efficient and smoother railway traffic.
- Digirail covers the Finnish ERTMS implementation mandatory in EU.
- Digirail is an investment to future railways; more traffic and passengers, better services, less disturbances and lower emissions.
- Digirail is a sector-wide possibility to rethink the railways and to lay foundation for the future further development.

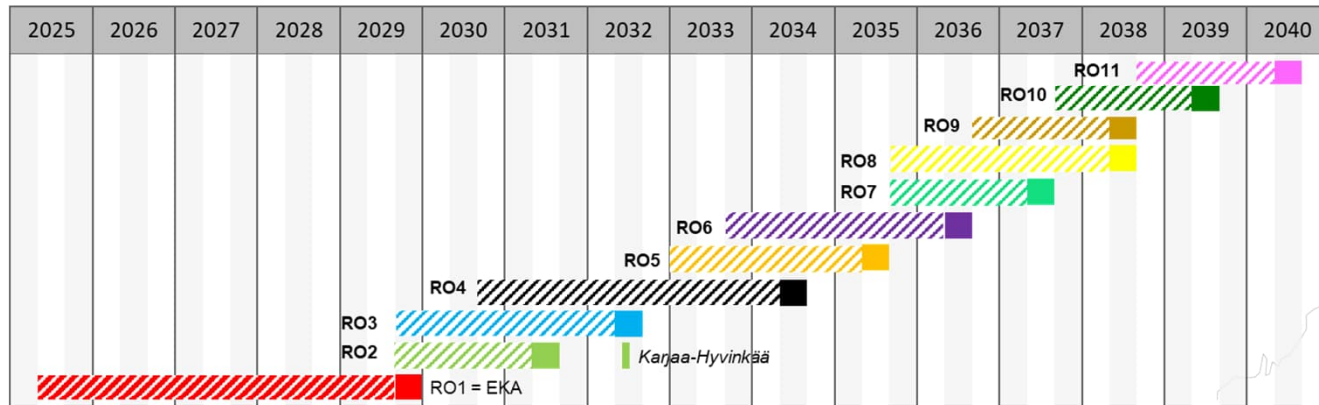




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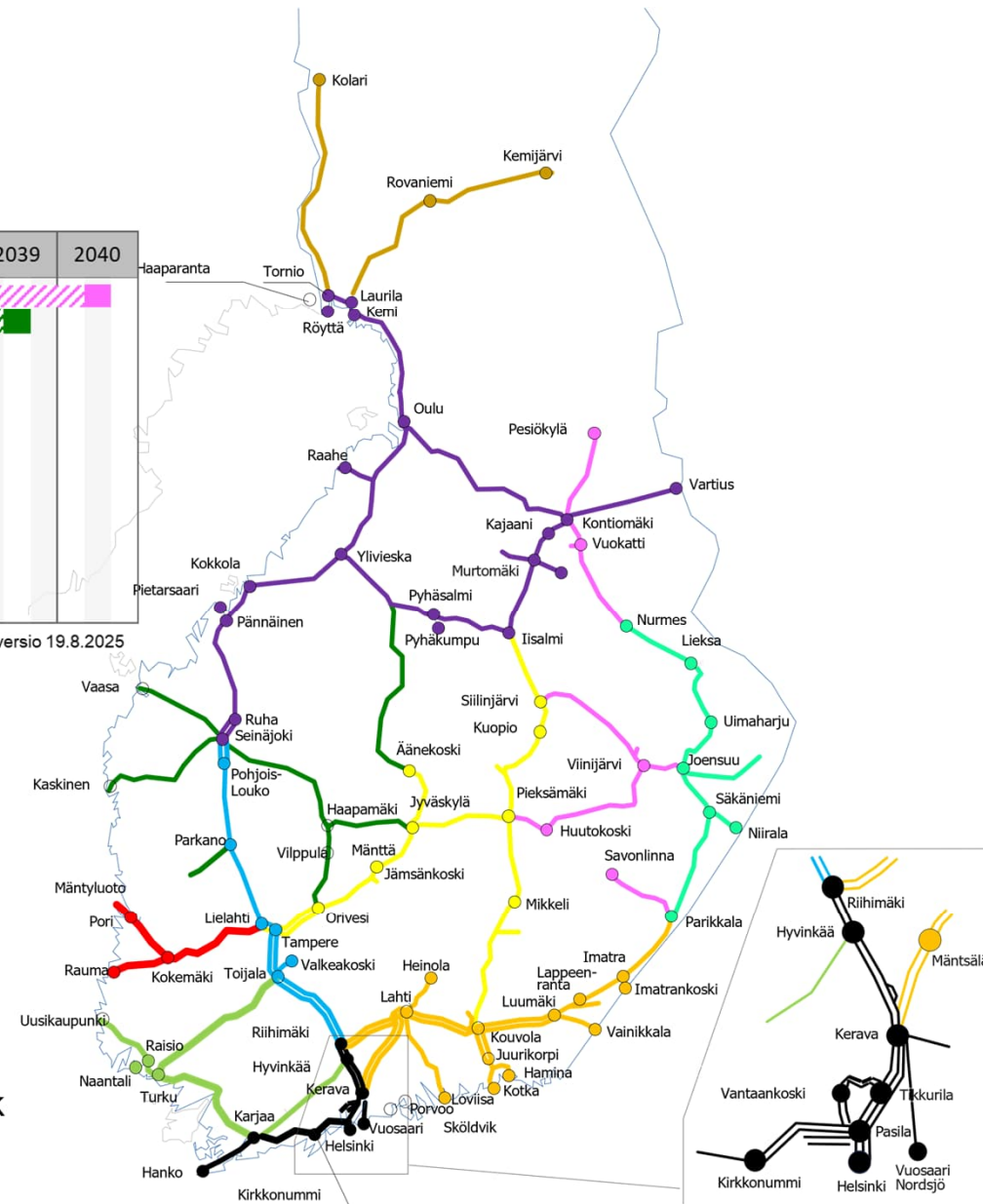


ERTMS Roll out



Digirata-hankkeen käyttöönottojen ajankohdat, versio 19.8.2025

- Roll out plan describes the phases in which ERTMS is planned to be taken into use
- The plan is based on “rolling stock first” principle
- Railway traffic in Finland is network-wide, not corridor based
 - Whole rolling stock long haul fleet is used all around the network



Digirail Objectives

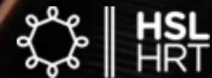
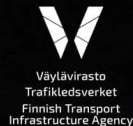
- 1. Technology (supplier neutrality):
 - Hybrid Train Detection – Step to moving block
 - EULYNX – Modularity, LCC
 - Radio network by MNOs – Future proof telco
 - ATO GoA2 – Automation
- 2. Possibility for a technology leap
 - Skipping one generation
 - Green field vs. brown field
- 3. TSI compliance
 - Single European railway area



Working together – the Finnish superpower

Taking the journey together

In addition to these actors, many other organisations, experts and partners that provide supporting functions are involved in the planning of Digirail.





Väylävirasto
Trafikledsverket



Euroopan unionin
osarahoittama

*Tämän julkaisun sisällöstä vastaa yksin Väylävirasto, eikä se
välttämättä vastaa Euroopan Unionin mielipidettä*