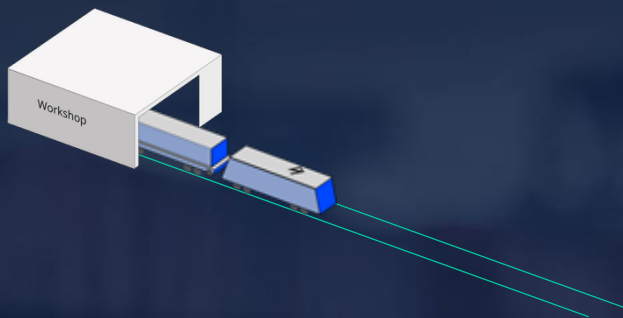
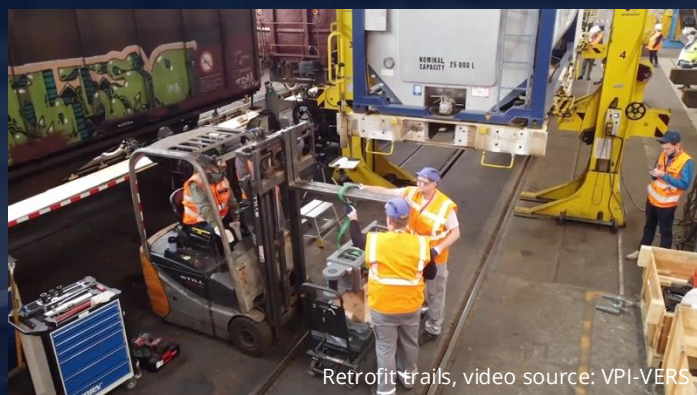


Migration – The DACFIT project data analysis

START

UP



Retrofit trials, video source: VPI-VERS

Fleet analysis



Technical analysis

Quantitative analysis and regional distribution

- **42** locomotive types and **261** wagon types analysed according to **DAC retrofitting readiness**
- Locomotive **retrofit criteria** clarified
- All analysed wagon types allocated to **technical groups**
- **Special vehicles** (mainly on-track-machinery) assessed
- Comprehensive **quantitative fleet analysis** completed based on available data

Workshop analysis



Mounting processes

Capacity analysis and regional distribution

- **11 retrofit trials** conducted and resulted with:
 - ✓ Reduction of installation times
 - ✓ Processes standardisation
 - ✓ Definition of technical groups
- **Process readiness** established
- Over **1,100 workshops** identified and evaluated for DAC
- Workshops **capacity potentials** and **constraints** identified

DACFIT analysis

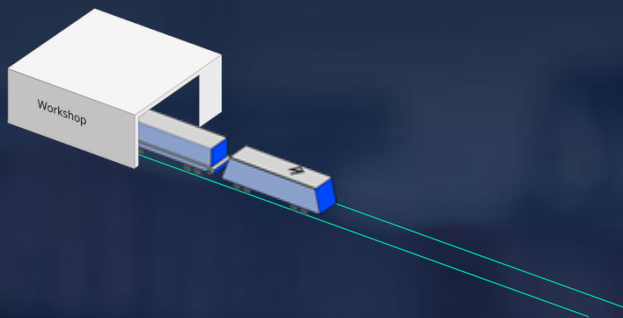
DACFIT outcomes

DACFIT partners

Full Digital Freight Train Operations Migration – The DACFIT project results

START

UP



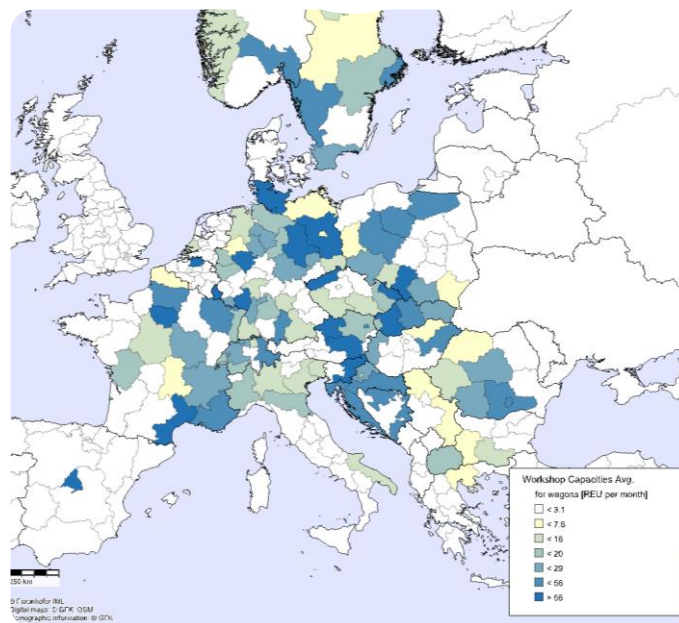
Railshops Simulation Tool developed

- ✓ Visualization of workshop capacity and retrofit demand
- ✓ Optimization of workshop capacity utilization
- ✓ Capacity gap analysis

DACFIT
analysis

DACFIT
outcomes

DACFIT
partners



Successful DAC migration requires addressing gaps in the following areas:

- ✓ Coordinated Migration of DAC, FRMCS, ETCS for locomotives
- ✓ Wagon workshops enabled to retrofit technically challenging wagons
- ✓ Additional capacity through DACready and Pop-Up Workshops
- ✓ Design-to-retrofit principles for couplers and electrical components

DISCOVER MORE



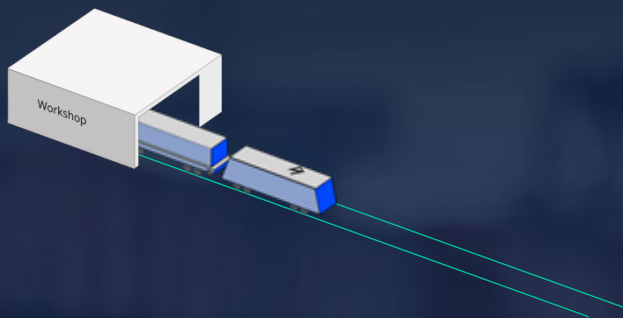
Explore the DACFIT results and public deliverables on the **DACFIT project website** once the project has been completed



Full Digital Freight Train Operations Migration – The DACFIT project partners

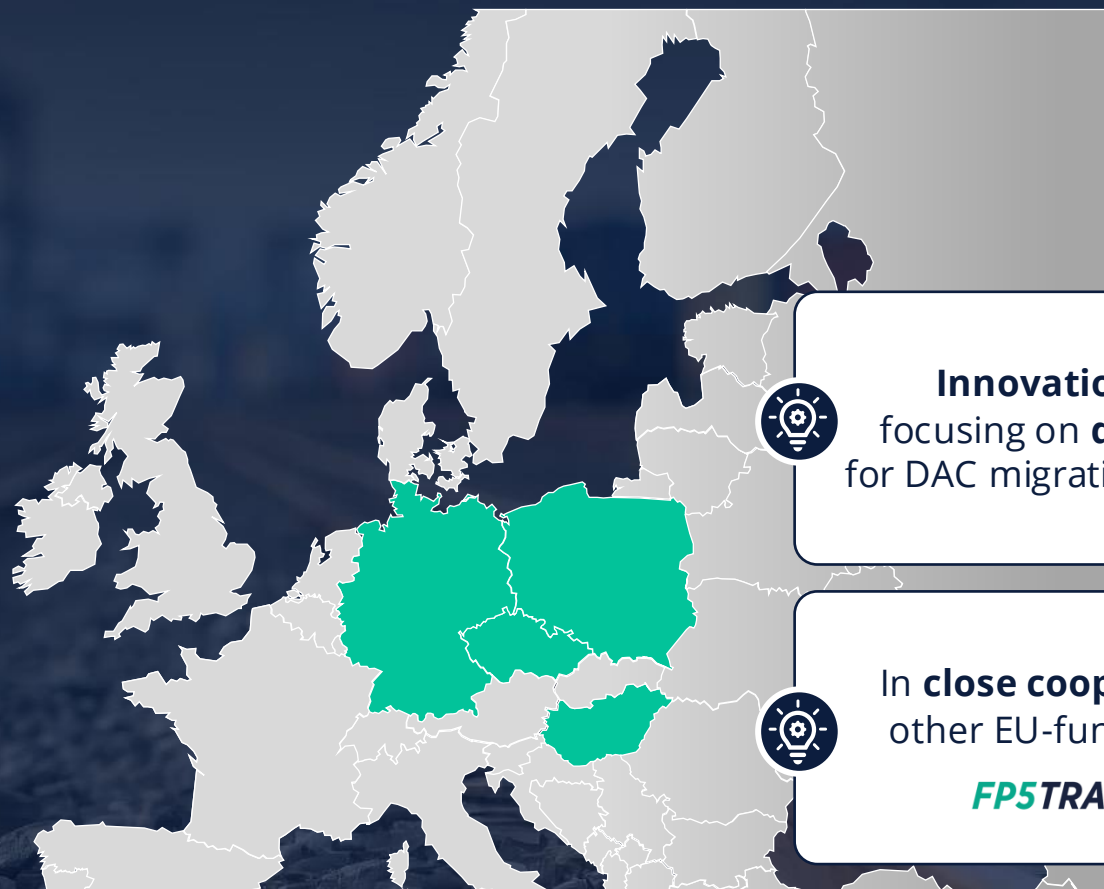
START

UP



The DACFIT project

- Project duration:
10/2024-10/2026



Innovation project
focusing on **data analysis**
for DAC migration preparation



In **close cooperation** with
other EU-funded projects

FP5TRAN54M-R
Transforming
Europe's Rail Freight



7 Partners
from **Eastern** and **Western Europe** work together

DACFIT
analysis

DACFIT
outcomes

DACFIT
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