

Next stops for European Rail

Rail Research and Innovation to Make Rail the Everyday Mobility

1 March 2022

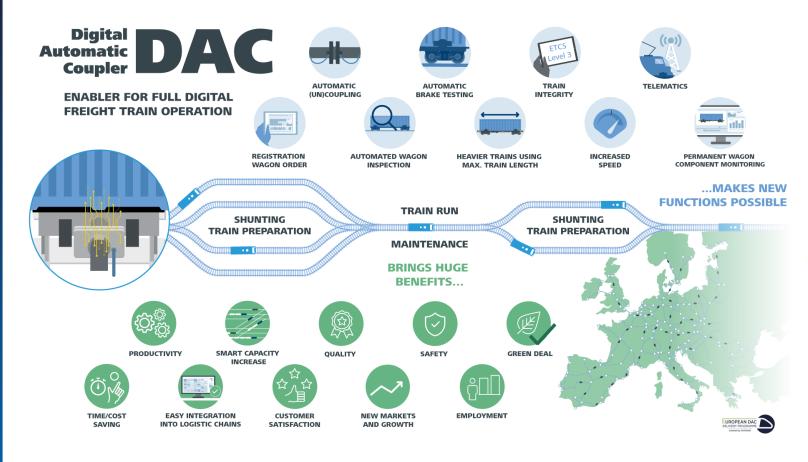
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European DAC delivery programme:

An open platform for Full Digital Freight Train Operations



- > DAC is more than just a coupler
- DAC is a key and unique enabler for numerous applications
- DAC is not a stand-alone technology but the backbone for "full digital freight train operations" to achieve the ambitious transformation in European rail freight
- This will allow the DAC to enable even more use cases and to generate a max. possible benefit

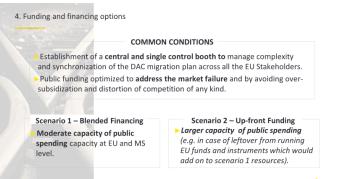




- > EDDP participation continuously increased
- > **DAC target operational procedures** for the first DAC use cases ready
- > EU-Rail Flagship Project 5 (FP5-TRANS4M-R, 2022-2026) awarded & started
 - > DAC specification "mechanical/pneumatical", "energy", "communication"
 - > Demonstration of Digital Freight Trains in 2025 with DAC Type 4 & 5 incl. Energy and Data Supply, Hybrid Coupler and automated brake test (TRL 8)
 - > Preparing further development of Full Digital Freight Train for future demos
- > **Operational DAC tests** took/are taking place in European countries
- > Development of solid and feasible **migration scenarios**

"DAC ready" preparation DAC type-2 retrofit DAC type-4+ upgrade

- > Cost-Benefit Analysis (first iteration)
- > European Investment Plan for DAC



> 80 companies from 20 European countries

first time ever in Europe

27 beneficiaries/71 partners

S2R, DAC4EU, etc.

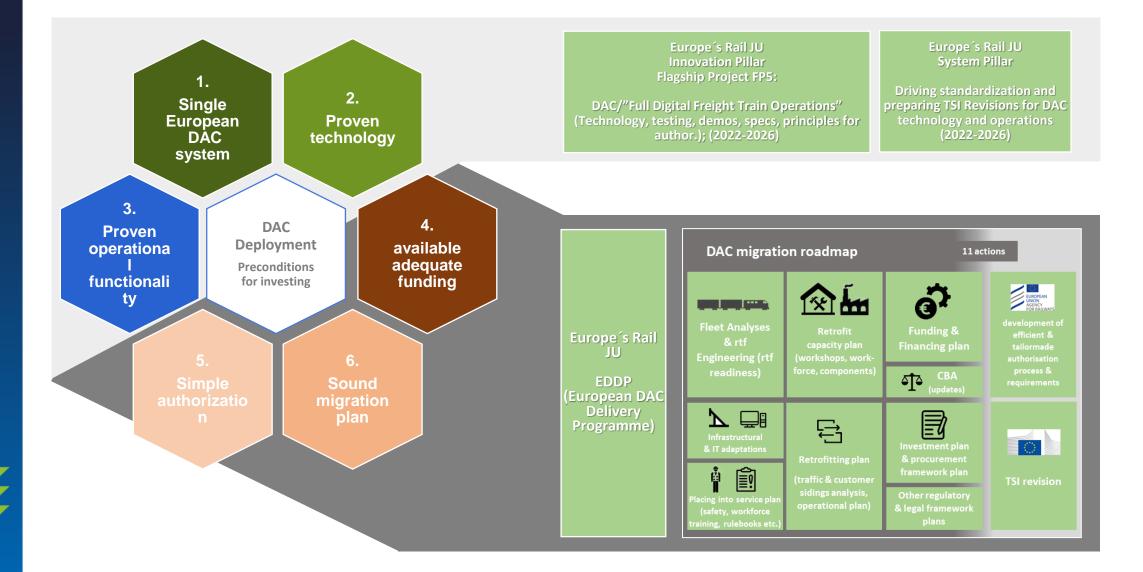
first time ever in Europe

contracted by the EC

contracted by the JU (soon published)



Europe's Rail JU concrete actions towards DAC deployment





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