

EU Funding Opportunities for FVL Players: CEF 2.0

Pursuing Green Initiatives for Europe's Transport Sector







Part 1

Overview of Funds, Criteria, Projects Focus: CEF 2.0

Disclaimer: All examples used are for illustrative purposes only and do not represent official Commission views





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Overview: EU Budget 2021-2027 + Covid Recovery



50% of total (longterm budget and NextGenerationEU) to modernise EU through research and innovation in fair climate and digital transitions

- 30% to fight climate change
- 20% of NextGenerationEU in digital transformation

Please note these themes are NOT mutually exclusive



€1074.3 billion + €750 billion = €1.8 trillion



Potential pots for vehicle logistics



Part 2

CEF for Transport

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Connecting Europe Facility 2.0

AUTOMOTIVE ^{ROM} ULTIMAMEDIA Global, Business, Intelligence,

 Connecting Europe Facility (CEF) 2.0 emphasises synergies between transport, energy and digital sectors to enhance effectiveness, minimise costs and support climate actions





CEF for Transport

The Connecting Europe Facility (CEF) for Transport is the funding instrument to realise European transport infrastructure policy. It aims at supporting investments in building new transport infrastructure in Europe or rehabilitating and upgrading the existing one.

Trans-European Networks for Transport (TEN-T) policy objectives foresee:

•completion by 2030 of the <u>Core Network</u>, structured around nine multimodal Core Network Corridors.

•completion by 2050 of the <u>Comprehensive Network</u> in order to facilitate accessibility to all European regions

•The budget for CEF Transport is of **€25.81 billion** (including €11.29 billion for cohesion countries).

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€25.8 billion

CEF Transport budget

Between 2021 and 2027 CINEA will manage €25.81 billion to support transport infrastructure projects throughout the EU and beyond.

9

€11 billion

Budget reserved for Cohesion

countries

A total of €11.29 billion will be earmarked for countries eligible to receive support from the cohesion Fund.

✓ €1.69 billion

Military mobility

CEF transport will also ensure that when infrastructure is adapted to improve military mobility within the EU, it is dual-use compatible, meeting both civilian and military needs.





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ECG

Core Network corridors

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Comprehensive Network







European Commission Mobility and Transport



- All transport modes need to become more sustainable, with green alternatives widely available and the right incentives put in place to dr the transition. Concrete milestones will keep the European transport system's journey towards a smart and sustainable future on track:
- By 2030:
- at least 30 million zero-emission cars will be in operation on European
- 100 European cities will be climate neutral.
- high-speed rail traffic will double across Europe
- scheduled collective travel for journeys under 500 km should be carbon neutral
- automated mobility will be deployed at large scale
- zero-emission marine vessels will be market-ready
- By 2035:
- zero-emission large aircraft will be market-ready
- By 2050:
- nearly all cars, vans, buses as well as new heavy-duty vehicles will be zeroemission.
- rail freight traffic will double.
- a fully operational, multimodal Trans-European Transport Network (TEN-T) for sustainable and smart transport with high speed connectivity.

WE NEED TO MAKE SUSTAINABLE ALTERNATIVES WIDELY AVAILABLE TO ENABLE BETTER MODAL CHOICES

Milestones²⁴ on reducing the current dependence on fossil fuels:

SUSTAINABLE & SMART

MOBILITY STRATEGY

- 1. By 2030, there will be at least 30 million zero-emission cars and 80 000 zeroemission lorries in operation.
- By 2050, nearly all cars, vans, buses as well as new heavy-duty vehicles will be zeroemission.
- 3. Zero-emission ocean-going vessels and large zero-emission aircraft will become market ready by 2030 and 2035, respectively.
- 10 key areas for action to make the vision a reality
- To make our goals a reality, the strategy identifies a total of 82 initiatives in 10 key areas for action ("flagships"), each with concrete measures.
- Sustainable
- For transport to become sustainable, in practice this means:
- 1. Boosting the uptake of **zero-emission vehicles**, **vessels and aeroplanes**, **renewable & low-carbon fuels** and related infrastructure for instance by installing 3 million public charging points by 2030.
- 2. Creating **zero-emission airports and ports** for instance through new initiatives to promote sustainable aviation and maritime fuels.
- 3. Making **interurban and urban mobility healthy and sustainable** for instance by doubling high-speed rail traffic and developing extra cycling infrastructure over the next 10 years.
- **4. Greening freight transport** for instance by doubling rail freight traffic by 2050.
- Pricing carbon and providing better incentives for users for instance by pursuing a comprehensive set of measures to deliver fair and efficient pricing across all transport.



CINEA launches calls for proposals –Q3 2021 check

On 16th September, CINEA launched <u>calls for proposals</u> under the Connecting Europe Facility (CEF) which makes **€7 billion** available for projects aiming to build, upgrade and improve European transport infrastructure.

CINEA

European Climate, Infrastructure and Environment Executive Agency

CEF Transport

CEF TRANSPORT CALLS

- 2021 CEF TRANSPORT calls for proposals
- Deadline: 19 January 2022, 17:00 CET
- > Call for proposals with EU Funding eligible:
 - Infrastructure project on TEN-T (railways, inland waterways, maritime, ports, roads, rail-road terminals, multimodal logistics platforms)
 - Smart applications for transport (ERTMS, ITS, SESAR, RIS)
 - Transport Interoperability
 - Alternative fuels infrastructure
 - Motorways of the Sea
 - Reduction of freight noise
 - Safe and secure parking infrastructure
 - ➢ Road Safety
 - Improvement of transport infrastructure to natural disasters, climate change

CEF ALTERNATIVE FUELS INFRASTRUCTURE CALLS

- CEF: Alternative Fuels Infrastructure Facility (AFIF)
- Deadline: Rolling call with multiple cut offs from January 2022 to September 2023
- Actions to support decarbonization of transport along TEN-T network:
 - ➢ Roll out of electricity fast charging infrastructure
 - LNG bunkering for TEN-T maritime and inland ports
 - Hydrogen re-fuelling infrastructure with priority for long haul transport, public transport
 - Hydrogen re-fuelling and electricity recharging infrastructure for heavy-duty vehicles
 - Deployment of alternative fuels at TEN-T maritime ports, inland waterways, inland ports, airports





CEF TRANSPORT CALLS

2021 CEF - COREGEN

- Call <u>CEF 2 Transport Projects on the Core</u> <u>Network – General envelope (CEF-T-2021-</u> <u>COREGEN)</u>
- Core Network, General Envelope (COREGEN)
- **BUDGET € 1.62 bil**, deadline 19 January 2022
- Number of priorities : 8
- Objective: to develop road infrastructure projects, rail-road terminals and multimodal logistics platforms on the Core Network of the TEN-T.
- improving road connections to maritime and inland ports and rail-road terminals

1.Inland waterways and ports – studies

- <u>12. Inland waterways and ports works or mixed</u>
- 3. Maritime ports studies
- 4. Rail studies
- 5. Maritime ports works or mixed
- 6. Roads, rail-road terminals and multimodal logistics platforms – works or mixed
- 7. Rail works or mixed
- <u>8. Roads, rail-road terminals and multimodal</u> <u>logistics platforms – studies</u>





CEF TRANSPORT CALLS

2021 CEF - SAFEMOBCOEN

- Safe and Secure Mobility-Cohesion Envelope (SAFEMOBCOEN), Deadline 19 January 2022
- Objective: to modernise transport infrastructure on the Core and Comprehensive Networks of the TEN-T.
- BUDGET: <u>€ 150,000,000</u>
- Nos of priorities: 5



- Improving transport infrastructure resilience - works or mixed
- 4. <u>Improving transport infrastructure</u> resilience – studies
- ► 5. <u>Road safety works or mixed</u>

2. TOPIC ID: CEF-T-2021-SAFEMOBCOEN-PARKINGS-WORKS

Works aiming at the development of new safe and secure parking areas on the road Core network and its nodes, or on the road Comprehensive network if they primarily serve users of the road Core network, for trucks and commercial vehicles, according to the study on EU Parking Standard (https://ec.europa.eu/transport/sites/transport/files/2019-study-on-safe-and-secure-parking-places-for-trucks.pdf)

NOTE: No funding for superstructure





CEF ALTERNATIVE FUELS INFRASTRUCTURE CALLS

Alternative Fuel Infrastructure Facility (AFIF)

- Objective: Support deployment of Alternative Fuel supply infrastructure, with aim to decarbonize TRANSPORT along the TEN-T network
- Budget: €1.5 billion
- Cut off dates : 19 Jan 2022 till end 2023
- On TEN-T road sections identified in the 2 "eligibility maps":150 kW and above (incl. > 350 kW) & 350
- A buffer of 2km driving distance from the TEN-T road network is applicable, calculated from the closest exit.
- Simulation: TENtec Public Viewer
 - http://ec.europa.eu/transport/infrastructure/tentec/te ntec-portal/map/maps.html





CEF ALTERNATIVE FUELS INFRASTRUCTURE CALLS

• AIM

- 1 million recharging points by 2025
- 3.5 million recharging points by 2030
- Calls

•

- ZERO EMISSIONS:
 - CEF-T-2021-AFIFGEN-UNITS
 - CEF-T-2021-AFIFCOEN-UNITS
 - Electricity recharging infrastructure
 - ° CEF-T-2021-AFIFGEN-WORKS-ZE
 - CEF-T-2021-AFIFCOEN-WORKS-ZE
 - Electricity recharging infrastructure & hydrogen refuelling infrastructure

• LOW EMISSIONS:

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- CEF-T-2021-AFIFGEN-WORKS-LNG
- CEF-T-2021-AFIFCOEN-WORKS-LNG
 - LNG refuelling infrastructure
- Eligibility
 - Applicants must be legal entities (public or private bodies)
 - Established in EU Member States
 - Proposals must relate to activities in eligible countries
 - Duration: Up to 36 months from cut-off date
 - Land acquisition and renting/leasing of facilities is NOT eligible

Call	Торіс	Budget Euro	Deadline
CEF-T-2021- AFIFGEN-UNITS	Alternative Fuel Infrastructure Facility – Unit Contributions (General Envelope)	400,000,000	Multiple Cut-Offs
CEF-T-2021- AFIFCOEN-UNITS	Alternative Fuel Infrastructure Facility – Unit Contributions (Cohesion Envelope)	125,000,000	Multiple Cut-Offs
CEF-T-2021- AFIFGEN-WORKS-ZE	Alternative Fuel Infrastructure Facility – Works-Zero Emissions (General Envelope)	400,000,000	Multiple Cut-offs
CEF-T-2021- AFIFCOEN-WORKS- ZE	Alternative Fuel Infrastructure Facility – Works-Zero Emissions (Cohesion Envelope)	125,000,000	Multiple Cut-offs
CEF-T-2021- AFIFGEN-WORKS- LNG	Alternative Fuel Infrastructure Facility – Works-LNG (General Envelope)	400,000,000	Multiple Cut-offs
CEF-T-2021- AFIFCOEN-WORKS- LNG	Alternative Fuel Infrastructure Facility- Works-LNG (Cohesion Envelope)	125,000,000	Multiple Cut-offs

CEF-t Grant funding:

- Rolling Deadline dates:
 - 19 January 2022 17:00:00 Brussels time
 - 07 June 2022 17:00:00 Brussels time
 - 10 November 2022 17:00:00 Brussels time
 - 13 April 2023 17:00:00 Brussels time
 - 19 September 2023 17:00:00 Brussels time
- Form of grant, funding rate –UNITS
 - CEF-T-2021-AFIFGEN-UNITS
 - A UNIT GRANT reimbursement of fixed amount per unit, based on unit costs, unit contributions
 - \circ $\;$ $\;$ Unit contributions for electric vehicle $\;$

Recharging point of minimum	Unit contribution (EUR)			
150kW	20,000			
350kW	40,000			

• Unit contribution for grid connection

Grid connection	Unit contribution (EUR)		
	20,000		

- Form of grant, funding rate –COSTS
 - CEF-T-2021-AFIFGEN-ZE & CEF-T-2021-AFIFGEN-LNG
 - $_{\odot}$ $\,$ Grant will be budget based actual cost grant
 - Only eligible costs and actually incurred costs reimbursed, as per agreed funding rates:

Alternative Fuel Type	Infrastructure	Vessels/port vehicles & equipment
Electricity/Hydrogen	30%	30%
LNG	10%	N/A

- For vessels, port vehicles & equipment the percentage is applied to the difference in costs between fossil fuel vessel/vehicle/equipment and zero emission vessels/vehicle/equipment as regards propulsion system
- Grants may NOT produce a profit
- Prefinancing between 25% to 50%
- Interim payment
- Payment of Balance- end of project



CEF_t budget for General Calls

Objectives for General Envelope		Call 2021 GEN	Call 2022 GEN	Call 2023 GEN	
Building & Completion of the TEN-T Network	Projects on the Core Network (8 priorities)		1.62 billion	1.62 billion	1.62 billion
	Projects on the Comprehensive Network (8 priorities)		250 million	250 million	250 million
	Total		1.87 billion	1.87 billion	1.87 billion
Upgrade of the TEN-T Network	Smart & Interoperable Mobility (19 priorities)		400 million	400 million	400 million
	Sustainable & Multimodal Mobility	AFIF (3 priorities)	400 million	400 million	400 million
		Others (5 priorities)	100 million	100 million	100 million
	Safe & Secure Mobility (5 priorities)		100 million	100 million	100 million
	Total		1 billion	1 billion	1 billion
Military Mobility Envelope		330 million	330 million	330 million	
Total			3.2 billion	3.2 billion	3.2 billion





CEF_t budget for Cohesion Calls

Objectives for Cohesion Envelope		Call 2021 COH	Call 2022 COH	Call 2023 COH	
	Projects on the Core Network (8 priorities)		2 billion	2 billion	2 billion
Building & Completion of the TEN- T Network	Projects on the Comprehensive Network (8 priorities)		350 million	350 million	350 million
	Total		2.35 billion	2.35 billion	2.35 billion
	Smart & Interoperable Mobility (1 priority)		150 million	150 million	150 million
		AFIF (3 priorities)	125 million	125 million	125 million
Upgrade of the TEN-T Network	Sustainable & Multimodal Mobility	Others (2 priorities)	25 million	25 million	25 million
	Safe & Secure Mobility (5 priorities)		150 million	150 million	150 million
	Total		450 million	450 million	450 million
Military Mobility Envelope					
Total		2.8 billion	2.8 billion	2.8 billion	

Total Budget = Euro 3.2 billion (Gen) + Euro 2.8 billion(Coh) = Euro 6 billion





AFIF: ELECTRICITY PRIORITY

Recharging stations supplying public transport in TEN-T Urban Nodes



- Infrastructure: recharging points in bus depots, opportunity based charging devices, related energy storage facilities
- Location: Urban Nodes –Annex 11.2 of TEN-T regulation
- Recharging stations supplying inland waterway & maritime vessels



- Infrastructure: on-shore power systems (OPS), necessary grid connection, zero emissions electric inland and short sea shipping vessels –show these needed to kickstart use of recharging infrastructure
- Location: TEN-T inland waterways and maritime port areas



- Recharging stations supplying port vehicles & equipment
 - Infrastructure: used for performance of port services and operations, port vehicles and equipment



Location: TEN-T inland waterways and maritime port areas









Battery

mmann.com

semanticscholar.org





AFIF: HYDROGEN PRIORITY

- Hydrogen Refuelling Station (HRS) for LDV & HDV, publicly accessible
 - Infrastructure: HRS supplying liquid or gaseous hydrogen at pressure of 700 bar, or 350 bar and 700 bar.
 - Location: TEN-T road network, buffer distance 10 km, Urban nodes listed in Annex 11.2









- HRS for railways
 - Location: TEN-T rail network, isolated networks defined by Article 3 TEN-T regulation, terminals for refuelling locomotives







AFIF: LNG PRIORITY

- Refuelling stations supplying inland waterways, maritime vessels
 - Infrastructure: supplying maritime and inland vessels on TEN-T inland waterways, maritime port, including storage facilities for transport sector and bunkering vessels
 - Location: TEN-T inland waterways and maritime ports







Industry Examples

Ongoing projects in FVL industry that tick the boxes

Please note: Industry examples are purely for illustrative purposes, these do not represent projects officially endorsed by the EU





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Electricity Example AMBRA-Electrify Europe



enel

- The AMBRA-Electrify Europe project reached full financial close through the co-financing provided by Enel X, the European Commission through its Innovation and Networks Executive Agency (INEA) and the European Investment Bank (EIB)
- The project, which will be completed by 2022, envisages a total investment of 70.75 million euros and will involve the construction of more than 3,000 charging stations
- The AMBRA-E project, coordinated by Enel X and implemented by its Italian, Spanish and Romanian local companies, involves the deployment of more than 3,000 EV charging stations, specifically along seven Trans-European Transport Network (TEN-T) Core Network Corridors
- https://trimis.ec.europa.eu/project/ambra-electrify-europe



Hydrogen Example H2BENELUX

- H2Benelux establishes 8 hydrogen refuelling stations in the Benelux with 80 hydrogen vehicles participating in a real life trial. H2Benelux is co-funded by <u>Connecting Europe Facility</u> of the European Commission.
- Budget: Euro 17.5 million
- These stations are:
- publicly accessible
- providing fast refuelling
- •dispensing hydrogen at 700 bar
- •having a daily capacity of up to 200 kg/day
- •predominantly integrated on existing refuelling forecourts
- located along or in close approximation to highways
- •enabling cross-border travel to Germany, France , United Kingdom



https://h2benelux.eu



LNG Example Balearia establishes LNG fueling facilities

- Spanish shipping company Baleària has launched its liquefied natural gas (LNG) bunkering facility at the <u>port</u> <u>of Valencia</u> using the Multi Truck to Ship (MTTS) system.
- Aims to create the market base for the roll out of bunkering services by boasting LNG fuel consumption and enabling the use of LNG on-shore and on-board for maritime transport and port operations. It takes place on the Atlantic and Mediterranean Core Network Corridors.
- Starts LNG fuelled car transport service 'ferry'
- EU'S Connecting Europe Facility (CEF) has invested in the project and this includes:
 - retrofit of 5 RO-PAX Balearia vessels to dual-fuel, the construction of a LNG supply station in the Port of Gijon and a Multiple-Truck-to-Ship (MTTS) system that will be operating in a Spanish core port.

https://ec.europa.eu/inea/en/connecting-europe-facility/cef-transport/2017-eu-tm-0147-w





CEF: Process

Overview of process





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How to Apply-CEF

European Climate, Infrastructure and Environment Executive Agency

European Commission > CINEA > CEF > Transport infrastructure



Apply for funding How to apply, evaluation and experts Funded projects

CEF funds can be applied for via the European Climate, Infrastructure and Environment Executive Agency (CINEA)

- Identify relevant call for proposal
 - Follow CINEA on Twitter, LinkedIn, YouTube, Facebook
- Follow guidelines on preparation of documents and application
 - Submit application online
- European Commission, CINEA and external experts evaluate proposal
 - Successful candidates notified



https://cinea.ec.europa.eu/calls-proposals/2021-cef-transport-call-proposals_en



Δ Search Funding & Tenders × + Ð \times __ II С Ô https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-search;callCode=null;freeTextSearchKeyword=cef-t;matchWholeText=true;typeCodes=0,1,2;statusCodes=31094501,31094502,31094503;pro rò ۲≘ Ē ... Cookies This site uses cookies to offer you a better browsing experience. Find out more on how we use cookies and how you can change your settings. I accept cookies I refuse cookies Funding & tender opportunities English 🖪 European Single Electronic Data Interchange Area (SEDIA) Commission Register Login SEARCH FUNDING & TENDERS HOW TO PARTICIPATE 🔻 PROJECTS & RESULTS WORK AS AN EXPERT SUPPORT 🔻 Funding and tenders (77) Division Need help? Sort by: Submission status Q cef-t Match whole words only Alternative Fuel Infrastructure Facility - Unit Contributions Grant **TENDERS** GRANTS Open for submission Connecting Europe Facility (CEF) Deadline model multiple cut-off Programme ID CEF-T-2021-AFIFGEN-UNITS Opening date 16 September 2021 Submission status Types of action CEF AFIF-EVRI Unit Grants Next deadline 19 January 2022 17:00:00 Brussels time ~ \checkmark \checkmark Closed Forthcoming Open for submission (77) Alternative Fuel Infrastructure Facility - Unit Contributions Grant Open for submission **Programming period** Programme Connecting Europe Facility (CEF) Deadline model multiple cut-off Select a Programme period .. \sim ID CEF-T-2021-AFIFCOEN-UNITS Opening date 16 September 2021 Types of action **CEF AFIF-EVRI Unit Grants** Next deadline 19 January 2022 17:00:00 Brussels time Filter by Programme / Programme group Select a Programme ... \sim Adaptation of the TEN-T to civilian-defence dual use - studies Grant Open for submission Filter by call Programme Connecting Europe Facility (CEF) Deadline model single-stage Select a Call.. \sim ID CEF-T-2021-MILMOB-STUDIES Opening date 16 September 2021 Types of action CEF Project Grants Deadline date 19 January 2022 17:00:00 Brussels time CPV code (Tenders Only) ecgassociation.eu | © ECG Business Intelligence

Finding Partners



CEF: General Eligibility Criteria

Ask the Expert as its complicated!

Why? Well because:

- Port, railways, roads all have different criteria
- General Criteria
- Tests:
 - Eligibility Analysis
 - Opportunity Analysis

- Check Past Success Stories:
 - <u>https://ec.europa.eu/inea/connecting-europe-facility/cef-</u> <u>transport/projects-by-transport-corridor</u>
- "Core network corridors" were introduced to facilitate the coordinated implementation of the core network. They bring together public and private resources and concentrate EU support from the CEF, particularly to:
 - remove bottlenecks
 - build missing cross-border connections
 - promote modal integration and interoperability



CEF Evaluation process







Award criteria







CEF Expert Dan's "Tips & Tricks"

- 1. Check that your AF project is eligible on the maps and that you will get the backing of a private investor. You may approach the InvestEU Advisory Hub at the European Investment Bank
- 2. Do not neglect the preliminary eligibility and opportunity analyses before embarking on an application. Read carefully the work programme, call text, etc
- 3. Use FAQs as much as needed for your own questions, but also to monitor those of competitors.
- 4. Applications have become very competitive beauty contests. Do not settle for second best for the application and the Cost Benefit Analysis!
- 5. Grant preparation involves a dialogue in fine-tuning of technical and financial aspects, such as milestones, deliverables. You better anticipate these in your application
- 6. The European Commission likes partnerships! Make sure they can work in the long term
- 7. You will need to showcase political and economic support:
 - Approval by one or several Member States
 - Letters of support from local or European politicians, companies...
- 8. Fully paperless submission: get used to navigating the system and make sure you are always 2 days ahead of deadlines to avoid the impact of an IT crash
- 9. Proofread!
- 10. Check compatibility with other public funding opportunities





Consulting services







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