SMOOTH PORTS

Good Practice - Monfalcone

E-mobility in the port of Monfalcone

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(3) Good practice general information

Title: e-mobility in the Ports of Trieste and Monfalcone
Geographical scope: Ports of Trieste and Monfalcone (Friuli Venezia Giulia Region - Italy)

(4) Good practice detailed information

Short summary of the practice

Replacement of the internal combustion engine vehicles (ICEs) with battery electric vehicle (BEVs) in the Ports of Trieste and Monfalcone

Short description of the local situation

At present, the Port Network Authority of the Eastern Adriatic Sea owns 21 ICEs

Detailed information on the practice

The Port Network Authority of the Eastern Adriatic Sea has competence over the ports of Trieste and Monfalcone. It has calculated the carbon footprint of all port-related activities (maritime and landside) for both ports and it is engaged in reducing all GHG emissions. It has decided to replace all its ICEs with BEVs, also through the following EU-funded projects:

1) NOEMIX (H2020), whereby the Friuli Venezia Giulia Region will contract the installation of charging stations and long-term rent of BEVs for several public administrations

2) CLEAN BERTH (Interreg Ita-Si), whereby the Port Network Authority of the Eastern Adriatic Sea will install an additional charging statio

3) SUSPORT (Interreg Ita-Cro), whereby the Port Network Authority of the Eastern Adriatic Sea will purchase a BEV

How does the good practice contribute to a reduction of CO2 emissions by road transport in the port?

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The good practice relates to the afore-mentioned activity: the full replacement of the existing cars owned by the Port Network Authority with BEVs.

Experience with the already implemented Good Practice as regards reduction of CO2 emissions by road transport in the port

The replacement of ICEs with BEVs is ongoing, it will be concluded in December 2022 and it will result in the reduction of 19.7 tCO2eq every year.

Resources needed

This practice is financed by EU funds, with a total budget of approximately 150.000 euros

Timescale

Ongoing – final date: December 2022

Evidence of success (results achieved)

The analysis of the carbon footprint showed that the CO2eq produced yearly by the vehicles owned by the Port Network Authority of the Eastern Adriatic Sea – Ports of Trieste and Monfalcone amount to 19.7 tons.

The full replacement of all the aforementioned vehicles with electric vehicles will allow to save the entire amount of 19.7 tCO2eq every year.

Challenges encountered

The main challenge regards the need to modify the electrical infrastructures and grids of the Port Network Authority

Potential for learning or transfer

This practice can be easily replicated in all the other ports of the EU, given the maturity of the technology and the availability of EU funds supporting it.

Recommendations for implementation in other ports

A thorough analysis of the carbon footprint generated in each port is necessary to assess the impact of this measure on the contribution to climate change caused by port activities

Further information

https://www.noemix.eu/en/

Keywords related to your practice

#e-mobility, #cooperation, #sustainability